

Comments on the definition of the Internet and the importance of distinguishing the Net from cable TV, and from lower level signal transport systems, after the FTC Workshop of 13 and 14 February 2007 on Network Neutrality

I am Jay Sulzberger. I am a working member of New Yorkers for Fair Use, and I attended the 13-14 February 2007 FTC Workshop on Network Neutrality. This comment is not an official statement of New Yorkers for Fair Use.

The full name of the FTC workshop on 13 and 14 February 2007 included the phrase "broadband competition". At the workshop, most of the discussions failed to address the real issue of Network Neutrality because no correct definition of the Net was presented.

Internet packets may be carried over slow communications links or over fast links. Most week days I use several different connections to the Net. Some days I use a dialup connection, which is much slower than the connection over lines owned by the Cable Company, or by the City of New York. But no matter whether I use slow lines or fast lines, I use the Net for private, for tribal, for business, and for public communications. And I use the Net in freedom. And some days I watch cable TV.

Now cable TV is not the Internet, but most speakers at the FTC's workshop spoke of the Net in ways that treated it as if it were just a form of interactive TV, with some extra special services bundled with interactive TV, "web viewing", email, and doubtfully, voice over IP.

Questions around building another, perhaps several other, cable TV networks, are not part of the issue of Network Neutrality, because the Net is not TV of any kind.

Use of the word "broadband" to mean both the Net and cable TV helps perpetuate the fundamental confusion.

We now state explicitly the main implicit error which underlies the FTC's present failure to engage with the issue of Network Neutrality:

Main Implicit Error: The Internet is not some bundle of services delivered by the Telephone Company and/or the Cable Company.

The Net is difficult to understand unless you work with it productively to develop applications and therefore already know what it is; and in that case, it is still difficult to convey what the Net is, because some history and background information, is needed to grasp how different the Net is from cable TV.

I admit that many people who today visit web sites and do email do not clearly understand what the Net is. But certainly the FTC should clearly understand what the Net is.

When ranting on the topic of the Net in years past, I have often claimed that one can explain the Net without knowing anything of

matters denominated in the popular press as "technical". After the workshop, I now think that complete ignorance can impede understanding of the Net. One speaker at the workshop who spoke against Net Neutrality had never heard of a port. It is likely that part of his, and others, opposition to Net Neutrality is due to simple ignorance.

We distinguish several faces of the Net.

First let us define what the Net is for a user of the Net. This face of the Net is simple to explain. But the explanation may, at first, be hard to understand, not because of subtleties, but rather just the opposite, because of the simplicity and the extremity of the defining principles.

If you do not know what a port is, then likely you implicitly assume that the Duopoly invented the Net and gave us the World Wide Web, email, videos over the Net, massive virtual worlds/games, etc.. So, what is a port? For a good introduction to ports, see

http://en.wikipedia.org/wiki/TCP_and_UDP_port
http://en.wikipedia.org/wiki/List_of_TCP_and_UDP_port_numbers

Consider me sitting in front of my computer. My computer is connected to the Net. My computer has an Internet address, say 192.0.34.166. Every computer connected to the Net has such an address. (For now, the question of how long the hardware keeps the same address, and who decides the address, how other computers figure out the address, etc. are all irrelevant.)

Important point: We assume in this explanation that I am in full control of my computer.

Now I issue, as root, this command to my computer

```
nmap -sT -O localhost
```

and I get back:

```
Starting Nmap 4.11 ( http://www.insecure.org/nmap/ ) at 2007-02-26 19:25 EST
Interesting ports on localhost.localdomain (127.0.0.1):
Not shown: 1656 closed ports
PORT      STATE SERVICE
1/tcp    open  tcpmux
11/tcp   open  systat
15/tcp   open  netstat
25/tcp   open  smtp
79/tcp   open  finger
111/tcp  open  rpcbind
119/tcp  open  nntp
143/tcp  open  imap
540/tcp  open  uucp
635/tcp  open  unknown
993/tcp  open  imaps
```

```
1080/tcp open socks
1524/tcp open ingreslock
2000/tcp open callbook
6667/tcp open irc
12345/tcp open NetBus
12346/tcp open NetBus
27665/tcp open Trinoo_Master
31337/tcp open Elite
32771/tcp open sometimes-rpc5
32772/tcp open sometimes-rpc7
32773/tcp open sometimes-rpc9
32774/tcp open sometimes-rpc11
54320/tcp open bo2k
Device type: general purpose
Running: Linux 2.4.X|2.5.X|2.6.X
OS details: Linux 2.5.25 - 2.6.8 or Gentoo 1.2 Linux 2.4.19 rc1-rc7, Linux
2.6.3 - 2.6.10
Uptime 8.412 days (since Sun Feb 18 09:32:55 2007)
```

Nmap finished: 1 IP address (1 host up) scanned in 2.184 seconds

Ports, in the jargon of Internet engineers, are entrances and/or exits of my computer. They are entrances/exits for data. nmap is a program which knocks on every port of the specified computer. The knocks are delivered over the Net, that is, nmap is an Internet application. I specified in my command that nmap knock on the ports of my computer, here called "localhost". (Irrelevant detail: from the vantage of my computer itself, my computer has by convention, sometimes, the Internet address 127.0.0.1.) nmap reports back which ports are open to incoming connections, that is, which ports will accept data coming in. nmap may be used to knock on the ports of any computer on the Net, even though in this example, I instructed nmap to only check my own computer.

The three columns of the first part of the data returned by nmap are:

1. the port, given by a number and what sort of data packets the port sends/receives
2. the state of the port
3. what service the people who built and run the Net have agreed should usually be listening at the port

The next part of the information returned by nmap, that is,

```
Device type: general purpose
Running: Linux 2.4.X|2.5.X|2.6.X
OS details: Linux 2.5.25 - 2.6.8 or Gentoo 1.2 Linux 2.4.19 rc1-rc7, Linux
2.6.3 - 2.6.10
Uptime 8.412 days (since Sun Feb 18 09:32:55 2007)
```

is nmap's guess as to what sort of computer system nmap knocked on. The guess is that my computer is a general purpose computer running some version of the GNU/Linux operating system, and that it has been up "8.412 days". (The uptime is not correct. nmap is not infallible.)

Finally nmap tells what it did:

```
Nmap finished: 1 IP address (1 host up) scanned in 2.184 seconds
```

The information returned by nmap helps to show us what the Net is. My machine is connected to the Net. My machine has an address which allows other machines on the Net to send data to my machine in order, perhaps, to start two streams of data flowing between the two machines. Suppose that you also have before you a computer connected to the Net. Again, we assume that you have full control of your box.

We now present a well known, popular, and paradigmatic, use of the Internet:

You might have opened port 80 on your box, and placed a program called an "http daemon", say Apache, to listen for incoming requests on port 80. I might start a Web browser, say Firefox, on my machine and tell my browser to ask for a web page on your machine. Firefox would now knock on port 80 on your machine, and request the page.

This is the mechanism by which web pages are delivered. Between your machine and mine lies the Net. Today, within the Net, there is no third party wiretapping our communication. There is no third party attempting to determine the value of our conversation to us, in order to charge us extra for valuable conversations. There is no third party examining our conversation in order to silence us if we say things the wiretapper's boss finds unpleasant.

I should have said "In the best circumstances, there is no ..." because, if your machine were in the United States, and mine in China, and if our conversation were to include mention of movements not favored by the government of China, then China might act to stop our conversation. And if your machine were in the United States and your "Internet Service Provider" refused to pass that first packet to port 80 on your machine, then our conversation could not even get started. The policy of refusing that first packet to port 80 is often called the "no servers allowed" rule. Both interferences result in something that is not the full and true Internet.

Let us list two other uses of the Net:

1. You might want to send me some email. By convention, usually port 25 is used for email. If I choose to get email by the usual means, I must open port 25, and place a "mail transport agent", say exim, listening on the port. But we both might want to send email back and forth by other means. In that case, you and I might have agreed before hand to use another port, or set of ports, and we might have agreed on some other protocol for delivery of email. We are free to make our own arrangements, without asking permission of any third party.

2. Assume you are a master sysadmin and an old friend. I might be having trouble with my computer, and I might ask you, by telephone say, to come into my box and have a look around in order to help me. We might have agreed that you would come in via "secure shell", that

is, ssh. By convention, the usual port for ssh is port 22, and when I have opened up port 22, and set the ssh daemon listening, and granted you certain privileges on my system, you may run ssh on your box, ssh will open a connection to my box and you may now log in to my box. But we might, for some reason, choose not to use ssh and port 22. In that case, you and I might have agreed before hand to use another port, or set of ports, and we might have agreed on some other protocol by which you can log into my machine. We are free to make our own arrangements, without asking permission of any third party.

Here is the definition of the Internet. The definition comes in three parts.

1. My machine and yours stand equal as peers, in the sense that my or your machine can initiate, or attempt to initiate a conversation, without interference by third parties. And my machine or yours can accept such an invitation to converse, without interference by third parties. Naturally if your machine attempts to make a connection and my machine refuses, this is still the Net. But, up to bugs, communication occurs, or fails, by agreement, or disagreement, between you and me, as long as we have paid our ISPs.

2. If you and I agree on a protocol, and agree on a port, or ports, for our data streams to travel over, and we write, or otherwise obtain, two programs that use the protocol, we may set our programs running on our boxes, and we may communicate using the protocol we have together freely chosen, without interference by third parties. In particular, we are free to invent new protocols, and to write programs using the new protocols, and to set these programs running over the Net.

3. About one billion machines are connected and use the freely agreed on protocols that enable our conversations to be transported by the wires, fibers, through the routers, over the air, via satellites, carrier pigeons. And it all works because many people and companies and governments have built the pieces and connected them so that it does work to make possible the extraordinarily flexible and free communication specified in 1 and 2. The main underlying protocol of the Net is TCP/IP. Note that there are other networks which use the TCP/IP protocol, but are not the Net, because they do not allow on the order of one billion people to freely connect with each other with complete flexibility in their manner of communication, that is, in the protocols running atop TCP/IP. For example, various variants of cable TV may be delivered using the TCP/IP protocol. But such a cable TV network is not part of the Net.

Now we come face to face with the Main Error. If the Net were some bundle of services provided by the Duopoly, and perhaps, in future, by some other companies, then none of these defining conditions of the Net could be met. In order to be brief, we shall only explain why condition 2 would fail, if the Duopoly ran the Net:

- ad 2. If the Duopoly provided the Net, then surely you and I could not design and deploy and use a new protocol without either working for the Duopoly, or negotiating with the Duopoly some arrangement by which

the Duopoly would support the protocol. But this is exactly not how the Net was built. We adduce here a wonderful document, called the "port numbers", which may be found at the website of the IANA, the Internet Assigned Numbers Authority:

<http://www.iana.org/assignments/port-numbers>

We append one version of this list, it is on occasion updated, as Document IANA-port-numbers below.

Let us look at some lines from the list of ports:

Keyword	Decimal	Description	References
-----	-----	-----	-----
	0/tcp	Reserved	
	0/udp	Reserved	
#		Jon Postel <postel@isi.edu>	
tcpmux	1/tcp	TCP Port Service Multiplexer	
tcpmux	1/udp	TCP Port Service Multiplexer	
#		Mark Lottor <MKL@nisc.sri.com>	
compressnet	2/tcp	Management Utility	
compressnet	2/udp	Management Utility	
compressnet	3/tcp	Compression Process	
compressnet	3/udp	Compression Process	
#		Bernie Volz <volz@cisco.com>	
#	4/tcp	Unassigned	
#	4/udp	Unassigned	
rje	5/tcp	Remote Job Entry	
rje	5/udp	Remote Job Entry	
#		Jon Postel <postel@isi.edu>	
#	6/tcp	Unassigned	
#	6/udp	Unassigned	
echo	7/tcp	Echo	
echo	7/udp	Echo	
#		Jon Postel <postel@isi.edu>	
#	8/tcp	Unassigned	
#	8/udp	Unassigned	
discard	9/tcp	Discard	
discard	9/udp	Discard	
#		Jon Postel <postel@isi.edu>	
discard	9/dccp	Discard SC:DISC	
#		IETF dccp WG, Eddie Kohler <kohler@cs.ucla.edu>, [RFC4340]	
#	10/tcp	Unassigned	
#	10/udp	Unassigned	
systat	11/tcp	Active Users	
systat	11/udp	Active Users	
#		Jon Postel <postel@isi.edu>	
#	12/tcp	Unassigned	
#	12/udp	Unassigned	
daytime	13/tcp	Daytime (RFC 867)	
daytime	13/udp	Daytime (RFC 867)	
#		Jon Postel <postel@isi.edu>	
#	14/tcp	Unassigned	
#	14/udp	Unassigned	
#	15/tcp	Unassigned [was netstat]	

#	15/udp	Unassigned
#	16/tcp	Unassigned
#	16/udp	Unassigned
qotd	17/tcp	Quote of the Day
qotd	17/udp	Quote of the Day
#		Jon Postel <postel@isi.edu>
misp	18/tcp	Message Send Protocol
misp	18/udp	Message Send Protocol
#		Rina Nethaniel <----none---->
chargen	19/tcp	Character Generator
chargen	19/udp	Character Generator
ftp-data	20/tcp	File Transfer [Default Data]
ftp-data	20/udp	File Transfer [Default Data]
ftp	21/tcp	File Transfer [Control]
ftp	21/udp	File Transfer [Control]
#		Jon Postel <postel@isi.edu>
ssh	22/tcp	SSH Remote Login Protocol
ssh	22/udp	SSH Remote Login Protocol
#		Tatu Ylonen <ylo@cs.hut.fi>
telnet	23/tcp	Telnet
telnet	23/udp	Telnet
#		Jon Postel <postel@isi.edu>
	24/tcp	any private mail system
	24/udp	any private mail system
#		Rick Adams <rick@UUNET.UU.NET>
smtp	25/tcp	Simple Mail Transfer
smtp	25/udp	Simple Mail Transfer
#		Jon Postel <postel@isi.edu>
#	26/tcp	Unassigned
#	26/udp	Unassigned
nsw-fe	27/tcp	NSW User System FE
nsw-fe	27/udp	NSW User System FE
#		Robert Thomas <BThomas@F.BBN.COM>
#	28/tcp	Unassigned
#	28/udp	Unassigned
msg-icp	29/tcp	MSG ICP
msg-icp	29/udp	MSG ICP
#		Robert Thomas <BThomas@F.BBN.COM>
#	30/tcp	Unassigned
#	30/udp	Unassigned
msg-auth	31/tcp	MSG Authentication
msg-auth	31/udp	MSG Authentication
#		Robert Thomas <BThomas@F.BBN.COM>
#	32/tcp	Unassigned
#	32/udp	Unassigned
dsp	33/tcp	Display Support Protocol
dsp	33/udp	Display Support Protocol
#		Ed Cain <cain@edn-unix.dca.mil>
#	34/tcp	Unassigned
#	34/udp	Unassigned
	35/tcp	any private printer server
	35/udp	any private printer server
#		Jon Postel <postel@isi.edu>
#	36/tcp	Unassigned
#	36/udp	Unassigned
time	37/tcp	Time
time	37/udp	Time

```

#                Jon Postel <postel@isi.edu>
rap              38/tcp    Route Access Protocol
rap              38/udp    Route Access Protocol
#                Robert Ullmann <ariel@world.std.com>
rlp              39/tcp    Resource Location Protocol
rlp              39/udp    Resource Location Protocol
#                Mike Accetta <MIKE.ACETTA@CMU-CS-A.EDU>
#                Unassigned
#                Unassigned
graphics        41/tcp    Graphics
graphics        41/udp    Graphics
name            42/tcp    Host Name Server
name            42/udp    Host Name Server
nameserver      42/tcp    Host Name Server
nameserver      42/udp    Host Name Server
nicname         43/tcp    Who Is
nicname         43/udp    Who Is
mpm-flags       44/tcp    MPM FLAGS Protocol
mpm-flags       44/udp    MPM FLAGS Protocol
mpm             45/tcp    Message Processing Module [recv]
mpm             45/udp    Message Processing Module [recv]
mpm-snd         46/tcp    MPM [default send]
mpm-snd         46/udp    MPM [default send]
#                Jon Postel <postel@isi.edu>
ni-ftp          47/tcp    NI FTP
ni-ftp          47/udp    NI FTP
#                Steve Kille <S.Kille@isode.com>
auditd          48/tcp    Digital Audit Daemon
auditd          48/udp    Digital Audit Daemon
#                Larry Scott <scott@zk3.dec.com>
tacacs          49/tcp    Login Host Protocol (TACACS)

```

The point here: None of the standard Net services listed above are services provided by the Duopoly to telephone customers or cable TV customers. If you look at the whole list below, we believe you will agree that these services are not offered by either the Telephone Company nor by the Cable Company.

Example of a Net service: Consider port 17/tcp. The people who built, and today, build and run the Net, have freely agreed, without coercion, without payments, without contracts, to use port 17/tcp for the Net application called qotd, which means "quote of the day". For information about qotd see

<http://en.wikipedia.org/wiki/QOTD>

qotd is a very simple protocol/Net application. Here is an example of its use. I issue the command

```
telnet ota.iambic.com 17
```

and I get back

```
Trying 64.124.71.12...
Connected to ota.iambic.com.
Escape character is '^]'.

```

A good leader is a person who takes a little more than his share of the blame and a little less than his share of the credit | John C. Maxwell
Connection closed by foreign host.

Again I issue the command:

```
telnet ota.iambic.com 17
```

This time I get back:

```
Trying 64.124.71.12...  
Connected to ota.iambic.com.  
Escape character is '^]'.  
If you have a procedure with 10 parameters, you probably missed some. | Alan J.  
Perlis  
Connection closed by foreign host.
```

So we see that, likely, on port 17/tcp of the machine with Internet address 64.124.71.12, there is a qotd daemon running, which, in accordance with protocol, when we ask it, hands us a random quote of the day.

Now we adduce another document, the RFC for qotd. An Internet RFC, or request for comment, is a document which describes a protocol (or another useful standard thing) for use on the Net. The RFC for quote of the day has number 865, and may be found at

<http://tools.ietf.org/html/rfc865>

RFC 865 is short, as RFCs go. Here is the whole document:

Network Working Group
Request for Comments: 865

J. Postel
ISI
May 1983

Quote of the Day Protocol

This RFC specifies a standard for the ARPA Internet community. Hosts on the ARPA Internet that choose to implement a Quote of the Day Protocol are expected to adopt and implement this standard.

A useful debugging and measurement tool is a quote of the day service. A quote of the day service simply sends a short message without regard to the input.

TCP Based Character Generator Service

One quote of the day service is defined as a connection based application on TCP. A server listens for TCP connections on TCP port 17. Once a connection is established a short message is sent out the connection (and any data received is thrown away). The service closes the connection after sending the quote.

UDP Based Character Generator Service

Another quote of the day service is defined as a datagram based application on UDP. A server listens for UDP datagrams on UDP port 17. When a datagram is received, an answering datagram is sent containing a quote (the data in the received datagram is ignored).

Quote Syntax

There is no specific syntax for the quote. It is recommended that it be limited to the ASCII printing characters, space, carriage return, and line feed. The quote may be just one or up to several lines, but it should be less than 512 characters.

Postel

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The Internet Engineering Task Force, or, in this case, perhaps a predecessor body, met and agreed that there was good reason to have such a standard protocol, and so this RFC was adopted. The working group that dealt with this RFC did not have to negotiate with the Duopoly a place for this protocol. Nor did the Duopoly have to consider pricing for delivery of qotd packet streams, nor whether, nor how, to introduce this new service to its customers, nor what regulatory bodies would have to approve the introduction of this new service, nor how this protocol should be dealt with by the Duopoly's hardware and software, etc.. None of these burdens attended the birth of the quote of the day protocol. None of these burdens today weigh down the deployment of the qotd service, none of these burdens weighed me down when I used the service a few minutes ago, and none of these burdens bore upon the owner of ota.iambic.com, when the owner started his qotd daemon running.

We shall not discuss how RFCs are created. Except to remark the central fact that the Duopoly has no direct business interest in the writing, nor adoption of any RFC. But if the Main Error were not an error, but a truth, then of course, the Duopoly would set its own standards, and create its own services, in the interest of, at least according to a now popular religious sect, stockholders in the Duopoly. But, of course, that is not how the Net was built. Rather the builders of the Net bought delivery of data, no better, signal, at the best price they could get, and they built the Net on top of the delivery of signal. There are over 5000 adopted RFCs, all hacked out without oversight of the Duopoly and without oversight of the FTC, nor of the FCC. We who think the Net we have is worth keeping, think that the radical freedom of association, with near zero external imposed frictions, is worth defending, because this is how we built the Net.

Again, we note at this point that the Duopoly never invented anything like the Net. But, under the rules of common carriage, and under contractual obligations to deliver signal, the Net was built, in freedom, atop the signal carriers' faithful carriage of signal.

Those who are for Network Neutrality are not for regulation of the Net. We are for freedom of the Net. Without freedom to design, and freely use, new services and protocols and applications, there is no Net. This same freedom makes possible the setting of standards, that is, agreement on RFCs and adoption of RFCs.

We mention here a few of the applications/services/protocols which run on the Net: email, the World Wide Web, various voips, various vpns, ssh, usenet, rsync, cvs, apt-get, BitTorrent, ntp, ostiary, etc.. The IANA list of ports shows just how many services have been invented and, in measure, widely adopted. Of course, one also has services and protocols which are unlikely ever to be widely adopted. For example, Ed Felten and Alex Halderman's TinyP2P, which may be found at

<http://www.freedom-to-tinker.com/tinyp2p.html>

was written to demonstrate how easy it is to write a "P2P file sharing" program. The program is less than one page of Python. This program demonstrates something larger and more important: it shows us the freedom and power of the Net. The program works, and perhaps some folks are using it today. But clearly the Duopoly is not today offering "Felten-Halderman TinyP2P" service. Nor does the Duopoly today have the practical means, nor the legal right, to suppress

- a. the writing of the program
- b. distribution of the program
- c. installation of the program
- d. use of the program

Well, my claim as to lack of legal right, is unfortunately, not entirely right today. If the Duopoly is providing signal transport at high speed for delivery of Net packet streams, then indeed the Duopoly might today have the legal power to suppress use of the program, due to the FCC's denomination of certain higher speed signal transports as "information services". Signal transport is not an "information service".

Recommendation: Before considering any action on Network Neutrality the FTC should hold another workshop to help the FTC grasp what the Net is today. Necessarily this workshop will require some examination of the history of the Net. The Internet Society should be invited to participate at this workshop, and some designers of the Net we have today should be invited to speak.

Recommended Reading:

<http://en.wikipedia.org/wiki/Internet>
http://en.wikipedia.org/wiki/History_of_the_Internet
http://en.wikipedia.org/wiki/Internet_protocol_suite
http://en.wikipedia.org/wiki/Internet_Engineering_Task_Force
http://en.wikipedia.org/wiki/Internet_Society

As usual with the Wikipedia, these articles may be unreliable, because vandals, pranksters, and interested parties, might have modified the articles. But when I looked a couple of days ago, as far as things I know are concerned, the articles were good.

Some histories:

<http://www.isoc.org/internet/history>

And three standard histories in paper and ink form:

The Cuckoo's Egg, by Clifford Stoll, which has a Wikipedia entry:

http://en.wikipedia.org/wiki/The_Cuckoo's_Egg

Where Wizards Stay Up Late, By Katie Hafner and Matthew Lyon,
which has a web page of its own:

<http://www.chick.net/wizards/wizards.html>

Weaving the Web, by Tim Berners-Lee, which has a web page at the W3C:

<http://www.w3.org/People/Berners-Lee/Weaving>

I thank the FTC for holding the workshop, and I thank the FTC for reading this!

I remain, as ever, your fellow citizen, and fellow student of probability,
Jay Sulzberger
jays@panix.com

Document: IANA-port-numbers

PORT NUMBERS

(last updated 2007-02-23)

The port numbers are divided into three ranges: the Well Known Ports, the Registered Ports, and the Dynamic and/or Private Ports.

The Well Known Ports are those from 0 through 1023.

DCCP Well Known ports SHOULD NOT be used without IANA registration. The registration procedure is defined in [RFC4340], Section 19.9.

The Registered Ports are those from 1024 through 49151

DCCP Registered ports SHOULD NOT be used without IANA registration. The registration procedure is defined in [RFC4340], Section 19.9.

The Dynamic and/or Private Ports are those from 49152 through 65535

```
*****
* PLEASE NOTE THE FOLLOWING:                                     *
*                                                                 *
* IESG STATEMENT TO THE IANA                                     *
*   THE IESG BELIEVES THAT IANA MAY ALLOCATE AN ADDITIONAL PORT IN *
*   THE 'USER PORT' RANGE TO PROTOCOLS WHOSE CURRENT PORT ALLOCATION *
*   REQUIRES ACCESS TO A PRIVILEGED PORT. THIS ALLOCATION SHOULD NOT *
*   BE AUTOMATIC, BUT MAY OCCUR UPON APPLICATION BY AN INTERESTED *
*****
```

```

*      PARTY WHOSE APPLICATION WOULD OTHERWISE FIT IANA'S POLICIES.      *
*                                                                           *
* 1. UNASSIGNED PORT NUMBERS SHOULD NOT BE USED.  THE IANA WILL ASSIGN *
* THE NUMBER FOR THE PORT AFTER YOUR APPLICATION HAS BEEN APPROVED.     *
*                                                                           *
* 2. ASSIGNMENT OF A PORT NUMBER DOES NOT IN ANY WAY IMPLY AN          *
* ENDORSEMENT OF AN APPLICATION OR PRODUCT, AND THE FACT THAT NETWORK   *
* TRAFFIC IS FLOWING TO OR FROM A REGISTERED PORT DOES NOT MEAN THAT    *
* IT IS "GOOD" TRAFFIC. FIREWALL AND SYSTEM ADMINISTRATORS SHOULD       *
* CHOOSE HOW TO CONFIGURE THEIR SYSTEMS BASED ON THEIR KNOWLEDGE OF    *
* THE TRAFFIC IN QUESTION, NOT WHETHER THERE IS A PORT NUMBER          *
* REGISTERED OR NOT.                                                    *
*****

```

WELL KNOWN PORT NUMBERS

The Well Known Ports are assigned by the IANA and on most systems can only be used by system (or root) processes or by programs executed by privileged users.

Ports are used in the TCP [RFC793] to name the ends of logical connections which carry long term conversations. For the purpose of providing services to unknown callers, a service contact port is defined. This list specifies the port used by the server process as its contact port. The contact port is sometimes called the "well-known port".

To the extent possible, these same port assignments are used with the UDP [RFC768].

The range for assigned ports managed by the IANA is 0-1023.

Port Assignments:

Keyword	Decimal	Description	References
-----	-----	-----	-----
	0/tcp	Reserved	
	0/udp	Reserved	
#		Jon Postel <postel@isi.edu>	
tcpmux	1/tcp	TCP Port Service Multiplexer	
tcpmux	1/udp	TCP Port Service Multiplexer	
#		Mark Lottor <MKL@nisc.sri.com>	
compressnet	2/tcp	Management Utility	
compressnet	2/udp	Management Utility	
compressnet	3/tcp	Compression Process	
compressnet	3/udp	Compression Process	
#		Bernie Volz <volz@cisco.com>	
#	4/tcp	Unassigned	
#	4/udp	Unassigned	
rje	5/tcp	Remote Job Entry	
rje	5/udp	Remote Job Entry	
#		Jon Postel <postel@isi.edu>	
#	6/tcp	Unassigned	
#	6/udp	Unassigned	
echo	7/tcp	Echo	
echo	7/udp	Echo	

```

#           Jon Postel <postel@isi.edu>
#           8/tcp      Unassigned
#           8/udp      Unassigned
discard    9/tcp      Discard
discard    9/udp      Discard
#           Jon Postel <postel@isi.edu>
discard    9/dccp     Discard SC:DISC
#           IETF dccp WG, Eddie Kohler <kohler@cs.ucla.edu>,
[RFC4340]
#           10/tcp     Unassigned
#           10/udp     Unassigned
systat     11/tcp     Active Users
systat     11/udp     Active Users
#           Jon Postel <postel@isi.edu>
#           12/tcp     Unassigned
#           12/udp     Unassigned
daytime    13/tcp     Daytime (RFC 867)
daytime    13/udp     Daytime (RFC 867)
#           Jon Postel <postel@isi.edu>
#           14/tcp     Unassigned
#           14/udp     Unassigned
#           15/tcp     Unassigned [was netstat]
#           15/udp     Unassigned
#           16/tcp     Unassigned
#           16/udp     Unassigned
gotd       17/tcp     Quote of the Day
gotd       17/udp     Quote of the Day
#           Jon Postel <postel@isi.edu>
msp        18/tcp     Message Send Protocol
msp        18/udp     Message Send Protocol
#           Rina Nathaniel <---none--->
chargen    19/tcp     Character Generator
chargen    19/udp     Character Generator
ftp-data   20/tcp     File Transfer [Default Data]
ftp-data   20/udp     File Transfer [Default Data]
ftp        21/tcp     File Transfer [Control]
ftp        21/udp     File Transfer [Control]
#           Jon Postel <postel@isi.edu>
ssh        22/tcp     SSH Remote Login Protocol
ssh        22/udp     SSH Remote Login Protocol
#           Tatu Ylonen <ylo@cs.hut.fi>
telnet     23/tcp     Telnet
telnet     23/udp     Telnet
#           Jon Postel <postel@isi.edu>
#           24/tcp     any private mail system
#           24/udp     any private mail system
#           Rick Adams <rick@UUNET.UU.NET>
smtp       25/tcp     Simple Mail Transfer
smtp       25/udp     Simple Mail Transfer
#           Jon Postel <postel@isi.edu>
#           26/tcp     Unassigned
#           26/udp     Unassigned
nsw-fe     27/tcp     NSW User System FE
nsw-fe     27/udp     NSW User System FE
#           Robert Thomas <BThomas@F.BBN.COM>
#           28/tcp     Unassigned
#           28/udp     Unassigned

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msg-icp	29/tcp	MSG ICP
msg-icp	29/udp	MSG ICP
#		Robert Thomas <BThomas@F.BBN.COM>
#	30/tcp	Unassigned
#	30/udp	Unassigned
msg-auth	31/tcp	MSG Authentication
msg-auth	31/udp	MSG Authentication
#		Robert Thomas <BThomas@F.BBN.COM>
#	32/tcp	Unassigned
#	32/udp	Unassigned
dsp	33/tcp	Display Support Protocol
dsp	33/udp	Display Support Protocol
#		Ed Cain <cain@edn-unix.dca.mil>
#	34/tcp	Unassigned
#	34/udp	Unassigned
	35/tcp	any private printer server
	35/udp	any private printer server
#		Jon Postel <postel@isi.edu>
#	36/tcp	Unassigned
#	36/udp	Unassigned
time	37/tcp	Time
time	37/udp	Time
#		Jon Postel <postel@isi.edu>
rap	38/tcp	Route Access Protocol
rap	38/udp	Route Access Protocol
#		Robert Ullmann <ariel@world.std.com>
rlp	39/tcp	Resource Location Protocol
rlp	39/udp	Resource Location Protocol
#		Mike Accetta <MIKE.ACSETTA@CMU-CS-A.EDU>
#	40/tcp	Unassigned
#	40/udp	Unassigned
graphics	41/tcp	Graphics
graphics	41/udp	Graphics
name	42/tcp	Host Name Server
name	42/udp	Host Name Server
nameserver	42/tcp	Host Name Server
nameserver	42/udp	Host Name Server
nicname	43/tcp	Who Is
nicname	43/udp	Who Is
mpm-flags	44/tcp	MPM FLAGS Protocol
mpm-flags	44/udp	MPM FLAGS Protocol
mpm	45/tcp	Message Processing Module [recv]
mpm	45/udp	Message Processing Module [recv]
mpm-snd	46/tcp	MPM [default send]
mpm-snd	46/udp	MPM [default send]
#		Jon Postel <postel@isi.edu>
ni-ftp	47/tcp	NI FTP
ni-ftp	47/udp	NI FTP
#		Steve Kille <S.Kille@isode.com>
auditd	48/tcp	Digital Audit Daemon
auditd	48/udp	Digital Audit Daemon
#		Larry Scott <scott@zk3.dec.com>
tacacs	49/tcp	Login Host Protocol (TACACS)
tacacs	49/udp	Login Host Protocol (TACACS)
#		Pieter Ditmars <pditmars@BBN.COM>
re-mail-ck	50/tcp	Remote Mail Checking Protocol
re-mail-ck	50/udp	Remote Mail Checking Protocol

#		Steve Dorner <s-dorner@UIUC.EDU>
la-maint	51/tcp	IMP Logical Address Maintenance
la-maint	51/udp	IMP Logical Address Maintenance
#		Andy Malis <malis_a@timeplex.com>
xns-time	52/tcp	XNS Time Protocol
xns-time	52/udp	XNS Time Protocol
#		Susie Armstrong <Armstrong.wbst128@XEROX>
domain	53/tcp	Domain Name Server
domain	53/udp	Domain Name Server
#		Paul Mockapetris <PVM@ISI.EDU>
xns-ch	54/tcp	XNS Clearinghouse
xns-ch	54/udp	XNS Clearinghouse
#		Susie Armstrong <Armstrong.wbst128@XEROX>
isi-gl	55/tcp	ISI Graphics Language
isi-gl	55/udp	ISI Graphics Language
xns-auth	56/tcp	XNS Authentication
xns-auth	56/udp	XNS Authentication
#		Susie Armstrong <Armstrong.wbst128@XEROX>
	57/tcp	any private terminal access
	57/udp	any private terminal access
#		Jon Postel <postel@isi.edu>
xns-mail	58/tcp	XNS Mail
xns-mail	58/udp	XNS Mail
#		Susie Armstrong <Armstrong.wbst128@XEROX>
	59/tcp	any private file service
	59/udp	any private file service
#		Jon Postel <postel@isi.edu>
	60/tcp	Unassigned
	60/udp	Unassigned
ni-mail	61/tcp	NI MAIL
ni-mail	61/udp	NI MAIL
#		Steve Kille <S.Kille@isode.com>
acas	62/tcp	ACA Services
acas	62/udp	ACA Services
#		E. Wald <ewald@via.enet.dec.com>
whois++	63/tcp	whois++
whois++	63/udp	whois++
#		Rickard Schoultz <schoultz@sunet.se>
covia	64/tcp	Communications Integrator (CI)
covia	64/udp	Communications Integrator (CI)
#		Dan Smith <dan.smith@den.galileo.com>
tacacs-ds	65/tcp	TACACS-Database Service
tacacs-ds	65/udp	TACACS-Database Service
#		Kathy Huber <khuber@bbn.com>
sql*net	66/tcp	Oracle SQL*NET
sql*net	66/udp	Oracle SQL*NET
#		Jack Haverty <jhaverty@ORACLE.COM>
bootps	67/tcp	Bootstrap Protocol Server
bootps	67/udp	Bootstrap Protocol Server
bootpc	68/tcp	Bootstrap Protocol Client
bootpc	68/udp	Bootstrap Protocol Client
#		Bill Croft <Croft@SUMEX-AIM.STANFORD.EDU>
tftp	69/tcp	Trivial File Transfer
tftp	69/udp	Trivial File Transfer
#		David Clark <ddc@LCS.MIT.EDU>
gopher	70/tcp	Gopher
gopher	70/udp	Gopher

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#                               Mark McCahill <mpm@boombox.micro.umn.edu>
netrjs-1                       71/tcp    Remote Job Service
netrjs-1                       71/udp    Remote Job Service
netrjs-2                       72/tcp    Remote Job Service
netrjs-2                       72/udp    Remote Job Service
netrjs-3                       73/tcp    Remote Job Service
netrjs-3                       73/udp    Remote Job Service
netrjs-4                       74/tcp    Remote Job Service
netrjs-4                       74/udp    Remote Job Service
#                               Bob Braden <Braden@ISI.EDU>
                               75/tcp    any private dial out service
                               75/udp    any private dial out service
#                               Jon Postel <postel@isi.edu>
deos                           76/tcp    Distributed External Object Store
deos                           76/udp    Distributed External Object Store
#                               Robert Ullmann <ariel@world.std.com>
                               77/tcp    any private RJE service
                               77/udp    any private RJE service
#                               Jon Postel <postel@isi.edu>
vettcp                         78/tcp    vettcp
vettcp                         78/udp    vettcp
#                               Christopher Leong <leong@kolmod.mlo.dec.com>
finger                         79/tcp    Finger
finger                         79/udp    Finger
#                               David Zimmerman <dpz@RUTGERS.EDU>
http                           80/tcp    World Wide Web HTTP
http                           80/udp    World Wide Web HTTP
www                             80/tcp    World Wide Web HTTP
www                             80/udp    World Wide Web HTTP
www-http                       80/tcp    World Wide Web HTTP
www-http                       80/udp    World Wide Web HTTP
#                               Tim Berners-Lee <timbl@W3.org>
hosts2-ns                      81/tcp    HOSTS2 Name Server
hosts2-ns                      81/udp    HOSTS2 Name Server
#                               Earl Killian <EAK@MORDOR.S1.GOV>
xfer                           82/tcp    XFER Utility
xfer                           82/udp    XFER Utility
#                               Thomas M. Smith <Thomas.M.Smith@lmco.com>
mit-ml-dev                    83/tcp    MIT ML Device
mit-ml-dev                    83/udp    MIT ML Device
#                               David Reed <---none--->
ctf                            84/tcp    Common Trace Facility
ctf                            84/udp    Common Trace Facility
#                               Hugh Thomas <thomas@oils.enet.dec.com>
mit-ml-dev                    85/tcp    MIT ML Device
mit-ml-dev                    85/udp    MIT ML Device
#                               David Reed <---none--->
mfcobol                       86/tcp    Micro Focus Cobol
mfcobol                       86/udp    Micro Focus Cobol
#                               Simon Edwards <---none--->
                               87/tcp    any private terminal link
                               87/udp    any private terminal link
#                               Jon Postel <postel@isi.edu>
kerberos                      88/tcp    Kerberos
kerberos                      88/udp    Kerberos
#                               B. Clifford Neuman <bcn@isi.edu>
su-mit-tg                     89/tcp    SU/MIT Telnet Gateway

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su-mit-tg      89/udp    SU/MIT Telnet Gateway
#              Mark Crispin <MRC@PANDA.COM>
##### PORT 90 also being used unofficially by Pointcast #####
dnsix          90/tcp    DNSIX Securit Attribute Token Map
dnsix          90/udp    DNSIX Securit Attribute Token Map
#              Charles Watt <watt@sware.com>
mit-dov        91/tcp    MIT Dover Spooler
mit-dov        91/udp    MIT Dover Spooler
#              Eliot Moss <EBM@XX.LCS.MIT.EDU>
npp            92/tcp    Network Printing Protocol
npp            92/udp    Network Printing Protocol
#              Louis Mamakos <louie@sayshell.umd.edu>
dcp            93/tcp    Device Control Protocol
dcp            93/udp    Device Control Protocol
#              Daniel Tappan <Tappan@BBN.COM>
objcall        94/tcp    Tivoli Object Dispatcher
objcall        94/udp    Tivoli Object Dispatcher
#              Tom Bereiter <---none--->
supdup         95/tcp    SUPDUP
supdup         95/udp    SUPDUP
#              Mark Crispin <MRC@PANDA.COM>
dixie          96/tcp    DIXIE Protocol Specification
dixie          96/udp    DIXIE Protocol Specification
#              Tim Howes <Tim.Howes@terminator.cc.umich.edu>
swift-rvf      97/tcp    Swift Remote Virtual File Protocol
swift-rvf      97/udp    Swift Remote Virtual File Protocol
#              Maurice R. Turcotte
#              <mailrus!uflorida!rml!dnmrt%rmatl@uunet.UU.NET>
tacnews        98/tcp    TAC News
tacnews        98/udp    TAC News
#              Jon Postel <postel@isi.edu>
metagram       99/tcp    Metagram Relay
metagram       99/udp    Metagram Relay
#              Geoff Goodfellow <Geoff@FERNWOOD.MPK.CA.US>
newacct        100/tcp   [unauthorized use]
hostname       101/tcp   NIC Host Name Server
hostname       101/udp   NIC Host Name Server
#              Jon Postel <postel@isi.edu>
iso-tsap       102/tcp   ISO-TSAP Class 0
iso-tsap       102/udp   ISO-TSAP Class 0
#              Marshall Rose <mrose@dbc.mtview.ca.us>
gppitnp        103/tcp   Genesis Point-to-Point Trans Net
gppitnp        103/udp   Genesis Point-to-Point Trans Net
acr-nema        104/tcp   ACR-NEMA Digital Imag. & Comm. 300
acr-nema        104/udp   ACR-NEMA Digital Imag. & Comm. 300
#              Patrick McNamee <---none--->
cso            105/tcp   CCSO name server protocol
cso            105/udp   CCSO name server protocol
#              Martin Hamilton <martin@mrrl.lut.as.uk>
csnet-ns        105/tcp   Mailbox Name Nameserver
csnet-ns        105/udp   Mailbox Name Nameserver
#              Marvin Solomon <solomon@CS.WISC.EDU>
3com-tsmux     106/tcp   3COM-TSMUX
3com-tsmux     106/udp   3COM-TSMUX
#              Jeremy Siegel <jzs@NSD.3Com.COM>
#####          106          Unauthorized use by insecure poppassd protocol
rtelnet        107/tcp   Remote Telnet Service

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rtelnet	107/udp	Remote Telnet Service
#		Jon Postel <postel@isi.edu>
snagas	108/tcp	SNA Gateway Access Server
snagas	108/udp	SNA Gateway Access Server
#		Kevin Murphy <murphy@sevens.lkg.dec.com>
pop2	109/tcp	Post Office Protocol - Version 2
pop2	109/udp	Post Office Protocol - Version 2
#		Joyce K. Reynolds <jkrey@isi.edu>
pop3	110/tcp	Post Office Protocol - Version 3
pop3	110/udp	Post Office Protocol - Version 3
#		Marshall Rose <mrose@dbc.mtview.ca.us>
sunrpc	111/tcp	SUN Remote Procedure Call
sunrpc	111/udp	SUN Remote Procedure Call
#		Chuck McManis <cmcmanis@freegate.net>
mcidas	112/tcp	McIDAS Data Transmission Protocol
mcidas	112/udp	McIDAS Data Transmission Protocol
#		Glenn Davis <support@unidata.ucar.edu>
ident	113/tcp	
auth	113/tcp	Authentication Service
auth	113/udp	Authentication Service
#		Mike St. Johns <stjohns@arpa.mil>
#	114	Deprecated June 2004
sftp	115/tcp	Simple File Transfer Protocol
sftp	115/udp	Simple File Transfer Protocol
#		Mark Lottor <MKL@nisc.sri.com>
ansanotify	116/tcp	ANSA REX Notify
ansanotify	116/udp	ANSA REX Notify
#		Nicola J. Howarth <njh@ansa.co.uk>
uucp-path	117/tcp	UUCP Path Service
uucp-path	117/udp	UUCP Path Service
sqlserv	118/tcp	SQL Services
sqlserv	118/udp	SQL Services
#		Larry Barnes <barnes@broke.enet.dec.com>
nntp	119/tcp	Network News Transfer Protocol
nntp	119/udp	Network News Transfer Protocol
#		Phil Lapsley <phil@UCBARPA.BERKELEY.EDU>
cfdpkt	120/tcp	CFDPKT
cfdpkt	120/udp	CFDPKT
#		John Ioannidis <ji@close.cs.columbia.edu>
erpc	121/tcp	Encore Expedited Remote Pro.Call
erpc	121/udp	Encore Expedited Remote Pro.Call
#		Jack O'Neil <----none---->
smakynet	122/tcp	SMAKYNET
smakynet	122/udp	SMAKYNET
#		Pierre Arnaud <pierre.arnaud@iname.com>
ntp	123/tcp	Network Time Protocol
ntp	123/udp	Network Time Protocol
#		Dave Mills <Mills@HUEY.UDEL.EDU>
ansatrader	124/tcp	ANSA REX Trader
ansatrader	124/udp	ANSA REX Trader
#		Nicola J. Howarth <njh@ansa.co.uk>
locus-map	125/tcp	Locus PC-Interface Net Map Ser
locus-map	125/udp	Locus PC-Interface Net Map Ser
#		Eric Peterson <lcc.eric@SEAS.UCLA.EDU>
nxedit	126/tcp	NXEdit
nxedit	126/udp	NXEdit
#		Don Payette <Don.Payette@unisys.com>

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#####Port 126 Previously assigned to application below#####
#unitary      126/tcp    Unisys Unitary Login
#unitary      126/udp    Unisys Unitary Login
#
#              <feil@kronos.nisd.cam.unisys.com>
#####Port 126 Previously assigned to application above#####
locus-con     127/tcp    Locus PC-Interface Conn Server
locus-con     127/udp    Locus PC-Interface Conn Server
#
#              Eric Peterson <lcc.eric@SEAS.UCLA.EDU>
gss-xlicen    128/tcp    GSS X License Verification
gss-xlicen    128/udp    GSS X License Verification
#
#              John Light <johnl@gssc.gss.com>
pwdgen        129/tcp    Password Generator Protocol
pwdgen        129/udp    Password Generator Protocol
#
#              Frank J. Wacho <WANCHO@WSMR-SIMTEL20.ARMY.MIL>
cisco-fna     130/tcp    cisco FNATIVE
cisco-fna     130/udp    cisco FNATIVE
cisco-tna     131/tcp    cisco TNATIVE
cisco-tna     131/udp    cisco TNATIVE
cisco-sys     132/tcp    cisco SYSMAINT
cisco-sys     132/udp    cisco SYSMAINT
statsrv       133/tcp    Statistics Service
statsrv       133/udp    Statistics Service
#
#              Dave Mills <Mills@HUEY.UDEL.EDU>
ingres-net    134/tcp    INGRES-NET Service
ingres-net    134/udp    INGRES-NET Service
#
#              Mike Berrow <----none---->
epmap         135/tcp    DCE endpoint resolution
epmap         135/udp    DCE endpoint resolution
#
#              Joe Pato <pato@apollo.hp.com>
profile       136/tcp    PROFILE Naming System
profile       136/udp    PROFILE Naming System
#
#              Larry Peterson <llp@ARIZONA.EDU>
netbios-ns    137/tcp    NETBIOS Name Service
netbios-ns    137/udp    NETBIOS Name Service
netbios-dgm   138/tcp    NETBIOS Datagram Service
netbios-dgm   138/udp    NETBIOS Datagram Service
netbios-ssn   139/tcp    NETBIOS Session Service
netbios-ssn   139/udp    NETBIOS Session Service
#
#              Jon Postel <postel@isi.edu>
emfis-data    140/tcp    EMFIS Data Service
emfis-data    140/udp    EMFIS Data Service
emfis-cntl    141/tcp    EMFIS Control Service
emfis-cntl    141/udp    EMFIS Control Service
#
#              Gerd Beling <GBELING@ISI.EDU>
bl-idm        142/tcp    Britton-Lee IDM
bl-idm        142/udp    Britton-Lee IDM
#
#              Susie Snitzer <----none---->
imap          143/tcp    Internet Message Access Protocol
imap          143/udp    Internet Message Access Protocol
#
#              Mark Crispin <MRC@CAC.Washington.EDU>
uma           144/tcp    Universal Management Architecture
uma           144/udp    Universal Management Architecture
#
#              Jay Whitney <jw@powercenter.com>
uaac          145/tcp    UAAC Protocol
uaac          145/udp    UAAC Protocol
#
#              David A. Gomberg <gomberg@GATEWAY.MITRE.ORG>
iso-tp0       146/tcp    ISO-IP0

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iso-tp0	146/udp	ISO-IP0
iso-ip	147/tcp	ISO-IP
iso-ip	147/udp	ISO-IP
#		Marshall Rose <mrose@dbc.mtview.ca.us>
jargon	148/tcp	Jargon
jargon	148/udp	Jargon
#		Bill Weinman <wew@bearnnet.com>
aed-512	149/tcp	AED 512 Emulation Service
aed-512	149/udp	AED 512 Emulation Service
#		Albert G. Broscius <broscius@DSL.CIS.UPENN.EDU>
sql-net	150/tcp	SQL-NET
sql-net	150/udp	SQL-NET
#		Martin Picard <----none---->
hems	151/tcp	HEMS
hems	151/udp	HEMS
bftp	152/tcp	Background File Transfer Program
bftp	152/udp	Background File Transfer Program
#		Annette DeSchon <DESCHON@ISI.EDU>
sgmp	153/tcp	SGMP
sgmp	153/udp	SGMP
#		Marty Schoffstahl <schoff@NISC.NYSER.NET>
netsc-prod	154/tcp	NETSC
netsc-prod	154/udp	NETSC
netsc-dev	155/tcp	NETSC
netsc-dev	155/udp	NETSC
#		Sergio Heker <heker@JVNCC.CSC.ORG>
sqlsrv	156/tcp	SQL Service
sqlsrv	156/udp	SQL Service
#		Craig Rogers <Rogers@ISI.EDU>
knet-cmp	157/tcp	KNET/VM Command/Message Protocol
knet-cmp	157/udp	KNET/VM Command/Message Protocol
#		Gary S. Malkin <GMALKIN@XYLOGICS.COM>
pcmail-srv	158/tcp	PCMail Server
pcmail-srv	158/udp	PCMail Server
#		Mark L. Lambert <markl@PTT.LCS.MIT.EDU>
nss-routing	159/tcp	NSS-Routing
nss-routing	159/udp	NSS-Routing
#		Yakov Rekhter <Yakov@IBM.COM>
sgmp-traps	160/tcp	SGMP-TRAPS
sgmp-traps	160/udp	SGMP-TRAPS
#		Marty Schoffstahl <schoff@NISC.NYSER.NET>
snmp	161/tcp	SNMP
snmp	161/udp	SNMP
snmptrap	162/tcp	SNMPTRAP
snmptrap	162/udp	SNMPTRAP
#		Marshall Rose <mrose@dbc.mtview.ca.us>
cmip-man	163/tcp	CMIP/TCP Manager
cmip-man	163/udp	CMIP/TCP Manager
cmip-agent	164/tcp	CMIP/TCP Agent
cmip-agent	164/udp	CMIP/TCP Agent
#		Amatzia Ben-Artzi <----none---->
xns-courier	165/tcp	Xerox
xns-courier	165/udp	Xerox
#		Susie Armstrong <Armstrong.wbst128@XEROX.COM>
s-net	166/tcp	Sirius Systems
s-net	166/udp	Sirius Systems
#		Brian Lloyd <brian@lloyd.com>

namp	167/tcp	NAMP
namp	167/udp	NAMP
#		Marty Schoffstahl <schoff@NISC.NYSER.NET>
rsvd	168/tcp	RSVD
rsvd	168/udp	RSVD
#		Neil Todd <mcvax!ist.co.uk!neil@UUNET.UU.NET>
send	169/tcp	SEND
send	169/udp	SEND
#		William D. Wisner <wisner@HAYES.FAI.ALASKA.EDU>
print-srv	170/tcp	Network PostScript
print-srv	170/udp	Network PostScript
#		Brian Reid <reid@DECWRL.DEC.COM>
multiplex	171/tcp	Network Innovations Multiplex
multiplex	171/udp	Network Innovations Multiplex
cl/1	172/tcp	Network Innovations CL/1
cl/1	172/udp	Network Innovations CL/1
#		Kevin DeVault <----none---->
xyplex-mux	173/tcp	Xyplex
xyplex-mux	173/udp	Xyplex
#		Bob Stewart <STEWART@XYPLEX.COM>
mailq	174/tcp	MAILQ
mailq	174/udp	MAILQ
#		Rayan Zachariassen <rayan@AI.TORONTO.EDU>
vmnet	175/tcp	VMNET
vmnet	175/udp	VMNET
#		Christopher Tengi <tengi@Princeton.EDU>
genrad-mux	176/tcp	GENRAD-MUX
genrad-mux	176/udp	GENRAD-MUX
#		Ron Thornton <thornton@qm7501.genrad.com>
xdmcp	177/tcp	X Display Manager Control Protocol
xdmcp	177/udp	X Display Manager Control Protocol
#		Robert W. Scheifler <RWS@XX.LCS.MIT.EDU>
nextstep	178/tcp	NextStep Window Server
nextstep	178/udp	NextStep Window Server
#		Leo Hourvitz <leo@NEXT.COM>
bgp	179/tcp	Border Gateway Protocol
bgp	179/udp	Border Gateway Protocol
#		Kirk Lougheed <LOUGHEED@MATHOM.CISCO.COM>
ris	180/tcp	Intergraph
ris	180/udp	Intergraph
#		Dave Buehmann <ingr!daveb@UUNET.UU.NET>
unify	181/tcp	Unify
unify	181/udp	Unify
#		Mark Ainsley <ianaportmaster@unify.com>
audit	182/tcp	Unisys Audit SITP
audit	182/udp	Unisys Audit SITP
#		Gil Greenbaum <gcole@nisd.cam.unisys.com>
ocbinder	183/tcp	OCBinder
ocbinder	183/udp	OCBinder
ocserver	184/tcp	OCServer
ocserver	184/udp	OCServer
#		Jerrilynn Okamura <---none---->
remote-kis	185/tcp	Remote-KIS
remote-kis	185/udp	Remote-KIS
kis	186/tcp	KIS Protocol
kis	186/udp	KIS Protocol
#		Ralph Droms <rdroms@NRI.RESTON.VA.US>

aci	187/tcp	Application Communication Interface
aci	187/udp	Application Communication Interface
#		Rick Carlos <rick.ticipa.csc.ti.com>
mumps	188/tcp	Plus Five's MUMPS
mumps	188/udp	Plus Five's MUMPS
#		Hokey Stenn <hokey@PLUS5.COM>
qft	189/tcp	Queued File Transport
qft	189/udp	Queued File Transport
#		Wayne Schroeder <schroeder@SDS.SDSC.EDU>
gacp	190/tcp	Gateway Access Control Protocol
gacp	190/udp	Gateway Access Control Protocol
#		C. Philip Wood <cpw@LANL.GOV>
prospero	191/tcp	Prospero Directory Service
prospero	191/udp	Prospero Directory Service
#		B. Clifford Neuman <bcn@isi.edu>
osu-nms	192/tcp	OSU Network Monitoring System
osu-nms	192/udp	OSU Network Monitoring System
#		Doug Karl <KARL-D@OSU-20.IRCC.OHIO-STATE.EDU>
srmp	193/tcp	Spider Remote Monitoring Protocol
srmp	193/udp	Spider Remote Monitoring Protocol
#		Ted J. Socolofsky <Teds@SPIDER.CO.UK>
irc	194/tcp	Internet Relay Chat Protocol
irc	194/udp	Internet Relay Chat Protocol
#		Jarkko Oikarinen <jto@TOLSUN.OULU.FI>
dn6-nlm-aud	195/tcp	DNSIX Network Level Module Audit
dn6-nlm-aud	195/udp	DNSIX Network Level Module Audit
dn6-smm-red	196/tcp	DNSIX Session Mgt Module Audit Redir
dn6-smm-red	196/udp	DNSIX Session Mgt Module Audit Redir
#		Lawrence Lebahn <DIA3@PAXRV-NES.NAVY.MIL>
dls	197/tcp	Directory Location Service
dls	197/udp	Directory Location Service
dls-mon	198/tcp	Directory Location Service Monitor
dls-mon	198/udp	Directory Location Service Monitor
#		Scott Bellew <smb@cs.purdue.edu>
smux	199/tcp	SMUX
smux	199/udp	SMUX
#		Marshall Rose <mrose@dbc.mtview.ca.us>
src	200/tcp	IBM System Resource Controller
src	200/udp	IBM System Resource Controller
#		Gerald McBrearty <----none---->
at-rtmp	201/tcp	AppleTalk Routing Maintenance
at-rtmp	201/udp	AppleTalk Routing Maintenance
at-nbp	202/tcp	AppleTalk Name Binding
at-nbp	202/udp	AppleTalk Name Binding
at-3	203/tcp	AppleTalk Unused
at-3	203/udp	AppleTalk Unused
at-echo	204/tcp	AppleTalk Echo
at-echo	204/udp	AppleTalk Echo
at-5	205/tcp	AppleTalk Unused
at-5	205/udp	AppleTalk Unused
at-zis	206/tcp	AppleTalk Zone Information
at-zis	206/udp	AppleTalk Zone Information
at-7	207/tcp	AppleTalk Unused
at-7	207/udp	AppleTalk Unused
at-8	208/tcp	AppleTalk Unused
at-8	208/udp	AppleTalk Unused
#		Rob Chandhok <chandhok@gnome.cs.cmu.edu>

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qmtcp          209/tcp      The Quick Mail Transfer Protocol
qmtcp          209/udp      The Quick Mail Transfer Protocol
#             Dan Bernstein <djb@silverton.berkeley.edu>
z39.50         210/tcp      ANSI Z39.50
z39.50         210/udp      ANSI Z39.50
#             Mark H. Needleman <markn@sirsi.com>
914c/g         211/tcp      Texas Instruments 914C/G Terminal
914c/g         211/udp      Texas Instruments 914C/G Terminal
#             Bill Harrell <----none---->
anet           212/tcp      ATEXSSTR
anet           212/udp      ATEXSSTR
#             Jim Taylor <taylor@heart.epps.kodak.com>
ipx            213/tcp      IPX
ipx            213/udp      IPX
#             Don Provan <donp@xlnvax.novell.com>
vmpwscs       214/tcp      VM PWSCS
vmpwscs       214/udp      VM PWSCS
#             Dan Shia <dset!shia@uunet.UU.NET>
softpc        215/tcp      Insignia Solutions
softpc        215/udp      Insignia Solutions
#             Martyn Thomas <----none---->
CAIlic        216/tcp      Computer Associates Int'l License Server
CAIlic        216/udp      Computer Associates Int'l License Server
#             Chuck Spitz <spich04@cai.com>
dbase          217/tcp      dBASE Unix
dbase          217/udp      dBASE Unix
#             Don Gibson
#             <sequent!aero!twinsun!ashtate.A-T.COM!dong@uunet.UU.NET>
mpp            218/tcp      Netix Message Posting Protocol
mpp            218/udp      Netix Message Posting Protocol
#             Shannon Yeh <yeh@netix.com>
uarps          219/tcp      Unisys ARPs
uarps          219/udp      Unisys ARPs
#             Ashok Marwaha <----none---->
imap3          220/tcp      Interactive Mail Access Protocol v3
imap3          220/udp      Interactive Mail Access Protocol v3
#             James Rice <RICE@SUMEX-AIM.STANFORD.EDU>
fln-spx       221/tcp      Berkeley rlogind with SPX auth
fln-spx       221/udp      Berkeley rlogind with SPX auth
rsh-spx       222/tcp      Berkeley rshd with SPX auth
rsh-spx       222/udp      Berkeley rshd with SPX auth
cdc            223/tcp      Certificate Distribution Center
cdc            223/udp      Certificate Distribution Center
#             Kannan Alagappan <kannan@sejour.enet.dec.com>
##### Possible Conflict of Port 222 with "Masqdialer"#####
### Contact for Masqdialer is Charles Wright <cpwright@villagenet.com>###
masqdialer 224/tcp      masqdialer
masqdialer 224/udp      masqdialer
#             Charles Wright <cpwright@villagenet.com>
#             225-241      Reserved
#             Jon Postel <postel@isi.edu>
direct        242/tcp      Direct
direct        242/udp      Direct
#             Herb Sutter <HerbS@cntc.com>
sur-meas      243/tcp      Survey Measurement
sur-meas      243/udp      Survey Measurement
#             Dave Clark <ddc@LCS.MIT.EDU>

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inbusiness      244/tcp      inbusiness
inbusiness      244/udp      inbusiness
#              Derrick Hisatake <derrick.i.hisatake@intel.com>
link            245/tcp      LINK
link            245/udp      LINK
dsp3270         246/tcp      Display Systems Protocol
dsp3270         246/udp      Display Systems Protocol
#              Weldon J. Showalter <Gamma@MINTAKA.DCA.MIL>
subntbcst_tftp 247/tcp      SUBNTBCST_TFTP
subntbcst_tftp 247/udp      SUBNTBCST_TFTP
#              John Fake <fake@us.ibm.com>
bhfhs          248/tcp      bhfhs
bhfhs          248/udp      bhfhs
#              John Kelly <johnk@bellhow.com>
#              249-255      Reserved
#              Jon Postel <postel@isi.edu>
rap            256/tcp      RAP
rap            256/udp      RAP
#              J.S. Greenfield <greeny@raleigh.ibm.com>
set            257/tcp      Secure Electronic Transaction
set            257/udp      Secure Electronic Transaction
#              Donald Eastlake <dee3@torque.pothole.com>
#              258          Unassigned (Removed 2006-09-13)
esro-gen       259/tcp      Efficient Short Remote Operations
esro-gen       259/udp      Efficient Short Remote Operations
#              Mohsen Banan <mohsen@rostan.neda.com>
openport       260/tcp      Openport
openport       260/udp      Openport
#              John Marland <jmarland@dean.openport.com>
nsiiops        261/tcp      IIOP Name Service over TLS/SSL
nsiiops        261/udp      IIOP Name Service over TLS/SSL
#              Jeff Stewart <jstewart@netscape.com>
arcisdms       262/tcp      Arcisdms
arcisdms       262/udp      Arcisdms
#              Russell Crook (rmc@sni.ca)
hdap           263/tcp      HDAP
hdap           263/udp      HDAP
#              Troy Gau <troy@zyxel.com>
bgmp           264/tcp      BGMP
bgmp           264/udp      BGMP
#              Dave Thaler <thalerd@eecs.umich.edu>
x-bone-ctl     265/tcp      X-Bone CTL
x-bone-ctl     265/udp      X-Bone CTL
#              Joe Touch <touch@isi.edu>
sst            266/tcp      SCSI on ST
sst            266/udp      SCSI on ST
#              Donald D. Woelz <don@genroco.com>
td-service     267/tcp      Tobit David Service Layer
td-service     267/udp      Tobit David Service Layer
td-replica     268/tcp      Tobit David Replica
td-replica     268/udp      Tobit David Replica
#              Franz-Josef Leuders <development@tobit.com>
#              269-279      Unassigned
http-mgmt      280/tcp      http-mgmt
http-mgmt      280/udp      http-mgmt
#              Adrian Pell
#              <PELL_ADRIAN/HP-UnitedKingdom_om6@hplb.hpl.hp.com>

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personal-link 281/tcp      Personal Link
personal-link 281/udp      Personal Link
#              Dan Cummings <doc@cnr.com>
cableport-ax 282/tcp      Cable Port A/X
cableport-ax 282/udp      Cable Port A/X
#              Craig Langfahl <Craig_J_Langfahl@ccm.ch.intel.com>
rescap        283/tcp      rescap
rescap        283/udp      rescap
#              Paul Hoffman <phoffman@imc.org>
corerjd       284/tcp      corerjd
corerjd       284/udp      corerjd
#              Chris Thornhill <port_contact@cjt.ca>
#              285      Unassigned
fxp           286/tcp      FXP Communication
fxp           286/udp      FXP Communication
#              James Darnall <james_r_darnall@sbcglobal.net>
k-block       287/tcp      K-BLOCK
k-block       287/udp      K-BLOCK
#              Simon P Jackson <jacko@kring.co.uk>
#              288-307  Unassigned
novastorbakcup 308/tcp      Novastor Backup
novastorbakcup 308/udp      Novastor Backup
#              Brian Dickman <brian@novastor.com>
entrusttime   309/tcp      EntrustTime
entrusttime   309/udp      EntrustTime
#              Peter Whittaker <pww@entrust.com>
bhmds        310/tcp      bhmds
bhmds        310/udp      bhmds
#              John Kelly <johnk@bellhow.com>
asip-webadmin 311/tcp      AppleShare IP WebAdmin
asip-webadmin 311/udp      AppleShare IP WebAdmin
#              Ann Huang <annhuang@apple.com>
vslmp        312/tcp      VSLMP
vslmp        312/udp      VSLMP
#              Gerben Wierda <Gerben_Wierda@RnA.nl>
magenta-logic 313/tcp      Magenta Logic
magenta-logic 313/udp      Magenta Logic
#              Karl Rousseau <kr@netfusion.co.uk>
opalis-robot  314/tcp      Opalis Robot
opalis-robot  314/udp      Opalis Robot
#              Laurent Domenech, Opalis <ldomenech@opalis.com>
dpsi         315/tcp      DPSI
dpsi         315/udp      DPSI
#              Tony Scamurra <Tony@DesktopPaging.com>
decauth       316/tcp      decAuth
decauth       316/udp      decAuth
#              Michael Agishtein <misha@unx.dec.com>
zannet        317/tcp      Zannet
zannet        317/udp      Zannet
#              Zan Oliphant <zan@accessone.com>
pkix-timestamp 318/tcp      PKIX TimeStamp
pkix-timestamp 318/udp      PKIX TimeStamp
#              Robert Zuccherato <robert.zuccherato@entrust.com>
ptp-event     319/tcp      PTP Event
ptp-event     319/udp      PTP Event
ptp-general   320/tcp      PTP General
ptp-general   320/udp      PTP General

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shrinkwrap 358/tcp      Shrinkwrap
shrinkwrap 358/udp      Shrinkwrap
#                      Bill Simpson <wsimpson@greendragon.com>
nsrmp       359/tcp      Network Security Risk Management Protocol
nsrmp       359/udp      Network Security Risk Management Protocol
#                      Eric Jacksch <jacksch@tenebris.ca>
scoi2odialog 360/tcp      scoi2odialog
scoi2odialog 360/udp      scoi2odialog
#                      Keith Petley <keithp@sco.COM>
semantix    361/tcp      Semantix
semantix    361/udp      Semantix
#                      Semantix <xsSupport@semantix.com>
srssend     362/tcp      SRS Send
srssend     362/udp      SRS Send
#                      Curt Mayer <curt@emergent.com>
rsvp_tunnel 363/tcp      RSVP Tunnel
rsvp_tunnel 363/udp      RSVP Tunnel
#                      Andreas Terzis <terzis@cs.ucla.edu>
aurora-cmgr 364/tcp      Aurora CMGR
aurora-cmgr 364/udp      Aurora CMGR
#                      Philip Budne <budne@auroratech.com>
dtk         365/tcp      DTK
dtk         365/udp      DTK
#                      Fred Cohen <fc@all.net>
odmr        366/tcp      ODMR
odmr        366/udp      ODMR
#                      Randall Gellens <randy@qualcomm.com>
mortgageware 367/tcp      MortgageWare
mortgageware 367/udp      MortgageWare
#                      Ole Hellevik <oleh@interlinq.com>
qbikgdp     368/tcp      QbikGDP
qbikgdp     368/udp      QbikGDP
#                      Adrien de Croy <adrien@qbik.com>
rpc2portmap 369/tcp      rpc2portmap
rpc2portmap 369/udp      rpc2portmap
codaaauth2  370/tcp      codaaauth2
codaaauth2  370/udp      codaaauth2
#                      Robert Watson <robert@cyrus.watson.org>
clearcase   371/tcp      Clearcase
clearcase   371/udp      Clearcase
#                      Dave LeBlang <leblang@atria.com>
ulistproc   372/tcp      ListProcessor
ulistproc   372/udp      ListProcessor
#                      Anastasios Kotsikonas <tasos@cs.bu.edu>
legent-1    373/tcp      Legent Corporation
legent-1    373/udp      Legent Corporation
legent-2    374/tcp      Legent Corporation
legent-2    374/udp      Legent Corporation
#                      Keith Boyce <---none--->
hassle      375/tcp      Hassle
hassle      375/udp      Hassle
#                      Reinhard Doelz <doelz@comp.bioz.unibas.ch>
nip         376/tcp      Amiga Envoy Network Inquiry Proto
nip         376/udp      Amiga Envoy Network Inquiry Proto
#                      Heinz Wrobel <hwrobel@gmx.de>
tnETOS      377/tcp      NEC Corporation
tnETOS      377/udp      NEC Corporation

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dsETOS	378/tcp	NEC Corporation
dsETOS	378/udp	NEC Corporation
#		Tomoo Fujita <tf@arc.bs1.fc.nec.co.jp>
is99c	379/tcp	TIA/EIA/IS-99 modem client
is99c	379/udp	TIA/EIA/IS-99 modem client
is99s	380/tcp	TIA/EIA/IS-99 modem server
is99s	380/udp	TIA/EIA/IS-99 modem server
#		Frank Quick <fquick@qualcomm.com>
hp-collector	381/tcp	hp performance data collector
hp-collector	381/udp	hp performance data collector
hp-managed-node	382/tcp	hp performance data managed node
hp-managed-node	382/udp	hp performance data managed node
hp-alarm-mgr	383/tcp	hp performance data alarm manager
hp-alarm-mgr	383/udp	hp performance data alarm manager
#		Frank Blakely <frankb@hpptc16.rose.hp.com>
arns	384/tcp	A Remote Network Server System
arns	384/udp	A Remote Network Server System
#		David Hornsby <djh@munnari.OZ.AU>
ibm-app	385/tcp	IBM Application
ibm-app	385/udp	IBM Application
#		Lisa Tomita <----none---->
asa	386/tcp	ASA Message Router Object Def.
asa	386/udp	ASA Message Router Object Def.
#		Steve Laitinen <laitinen@brutus.aa.ab.com>
aurp	387/tcp	Appletalk Update-Based Routing Pro.
aurp	387/udp	Appletalk Update-Based Routing Pro.
#		Chris Ranch <cranch@novell.com>
unidata-ldm	388/tcp	Unidata LDM
unidata-ldm	388/udp	Unidata LDM
#		Glenn Davis <support@unidata.ucar.edu>
ldap	389/tcp	Lightweight Directory Access Protocol
ldap	389/udp	Lightweight Directory Access Protocol
#		Tim Howes <Tim.Howes@terminator.cc.umich.edu>
uis	390/tcp	UIS
uis	390/udp	UIS
#		Ed Barron <----none---->
synotics-relay	391/tcp	SynOptics SNMP Relay Port
synotics-relay	391/udp	SynOptics SNMP Relay Port
synotics-broker	392/tcp	SynOptics Port Broker Port
synotics-broker	392/udp	SynOptics Port Broker Port
#		Illan Raab <iraab@synoptics.com>
meta5	393/tcp	Meta5
meta5	393/udp	Meta5
#		Jim Kanzler <jim.kanzler@meta5.com>
embl-ndt	394/tcp	EMBL Nucleic Data Transfer
embl-ndt	394/udp	EMBL Nucleic Data Transfer
#		Peter Gad <peter@bmc.uu.se>
netcp	395/tcp	NETscout Control Protocol
netcp	395/udp	NETscout Control Protocol
#		Anil Singhal <----none---->
netware-ip	396/tcp	Novell Netware over IP
netware-ip	396/udp	Novell Netware over IP
mptn	397/tcp	Multi Protocol Trans. Net.
mptn	397/udp	Multi Protocol Trans. Net.
#		Soumitra Sarkar <sarkar@vnet.ibm.com>
kryptolan	398/tcp	Kryptolan
kryptolan	398/udp	Kryptolan

#		Peter de Laval <pdl@sectra.se>
iso-tsap-c2	399/tcp	ISO Transport Class 2 Non-Control over TCP
iso-tsap-c2	399/udp	ISO Transport Class 2 Non-Control over UDP
#		Yanick Pouffary <pouffary@taec.enet.dec.com>
work-sol	400/tcp	Workstation Solutions
work-sol	400/udp	Workstation Solutions
#		Jim Ward <jimw@worksta.com>
ups	401/tcp	Uninterruptible Power Supply
ups	401/udp	Uninterruptible Power Supply
#		Charles Bennett <chuck@benatong.com>
genie	402/tcp	Genie Protocol
genie	402/udp	Genie Protocol
#		Mark Hankin <---none---
decap	403/tcp	decap
decap	403/udp	decap
nced	404/tcp	nced
nced	404/udp	nced
ncld	405/tcp	ncld
ncld	405/udp	ncld
#		Richard Jones <---none---
imsp	406/tcp	Interactive Mail Support Protocol
imsp	406/udp	Interactive Mail Support Protocol
#		John Myers <jgm+@cmu.edu>
timbuktu	407/tcp	Timbuktu
timbuktu	407/udp	Timbuktu
#		Marc Epard <marc@netopia.com>
prm-sm	408/tcp	Prospero Resource Manager Sys. Man.
prm-sm	408/udp	Prospero Resource Manager Sys. Man.
prm-nm	409/tcp	Prospero Resource Manager Node Man.
prm-nm	409/udp	Prospero Resource Manager Node Man.
#		B. Clifford Neuman <bcn@isi.edu>
decladdebug	410/tcp	DECLaddebug Remote Debug Protocol
decladdebug	410/udp	DECLaddebug Remote Debug Protocol
#		Anthony Berent <anthony.berent@reo.mts.dec.com>
rmt	411/tcp	Remote MT Protocol
rmt	411/udp	Remote MT Protocol
#		Peter Eriksson <pen@lysator.liu.se>
synoptics-trap	412/tcp	Trap Convention Port
synoptics-trap	412/udp	Trap Convention Port
#		Illan Raab <iraab@synoptics.com>
smsp	413/tcp	Storage Management Services Protocol
smsp	413/udp	Storage Management Services Protocol
#		Murthy Srinivas <murthy@novell.com>
infoseek	414/tcp	InfoSeek
infoseek	414/udp	InfoSeek
#		Steve Kirsch <stk@infoseek.com>
bnet	415/tcp	BNet
bnet	415/udp	BNet
#		Jim Mertz <JMertz+RV09@rvdc.unisys.com>
silverplatter	416/tcp	Silverplatter
silverplatter	416/udp	Silverplatter
#		Peter Ciuffetti <petec@silverplatter.com>
onmux	417/tcp	Onmux
onmux	417/udp	Onmux
#		Stephen Hanna <hanna@world.std.com>
hyper-g	418/tcp	Hyper-G
hyper-g	418/udp	Hyper-G

#		Frank Kappe <fkappe@iicm.tu-graz.ac.at>
ariell	419/tcp	Ariel 1
ariell	419/udp	Ariel 1
#		Joel Karafin <jkarafin@infotrieve.com>
smpte	420/tcp	SMPTE
smpte	420/udp	SMPTE
#		Si Becker <71362.22@CompuServe.COM>
ariel2	421/tcp	Ariel 2
ariel2	421/udp	Ariel 2
ariel3	422/tcp	Ariel 3
ariel3	422/udp	Ariel 3
#		Joel Karafin <jkarafin@infotrieve.com>
opc-job-start	423/tcp	IBM Operations Planning and Control Start
opc-job-start	423/udp	IBM Operations Planning and Control Start
opc-job-track	424/tcp	IBM Operations Planning and Control Track
opc-job-track	424/udp	IBM Operations Planning and Control Track
#		Conny Larsson <cocke@VNET.IBM.COM>
icad-el	425/tcp	ICAD
icad-el	425/udp	ICAD
#		Larry Stone <lcs@icad.com>
smartsdp	426/tcp	smartsdp
smartsdp	426/udp	smartsdp
#		Marie-Pierre Belanger <belanger_marie@emc.com>
svrloc	427/tcp	Server Location
svrloc	427/udp	Server Location
#		<veizades@ftp.com>
ocs_cmu	428/tcp	OCS_CMU
ocs_cmu	428/udp	OCS_CMU
ocs_amu	429/tcp	OCS_AMU
ocs_amu	429/udp	OCS_AMU
#		Florence Wyman <wyman@peabody.plk.af.mil>
utmpsd	430/tcp	UTMPSD
utmpsd	430/udp	UTMPSD
utmpcd	431/tcp	UTMPCD
utmpcd	431/udp	UTMPCD
iasd	432/tcp	IASD
iasd	432/udp	IASD
#		Nir Baroz <nbaroz@encore.com>
nnsdp	433/tcp	NNSDP
nnsdp	433/udp	NNSDP
#		Rob Robertson <rob@gangrene.berkeley.edu>
mobileip-agent	434/tcp	MobileIP-Agent
mobileip-agent	434/udp	MobileIP-Agent
mobilip-mn	435/tcp	MobilIP-MN
mobilip-mn	435/udp	MobilIP-MN
#		Kannan Alagappan <kannan@sejour.lkg.dec.com>
dna-cml	436/tcp	DNA-CML
dna-cml	436/udp	DNA-CML
#		Dan Flowers <flowers@smaug.lkg.dec.com>
comscm	437/tcp	comscm
comscm	437/udp	comscm
#		Jim Teague <teague@zso.dec.com>
dsfgw	438/tcp	dsfgw
dsfgw	438/udp	dsfgw
#		Andy McKeen <mckeen@osf.org>
dasp	439/tcp	dasp Thomas Obermair
dasp	439/udp	dasp tommy@inlab.m.eunet.de

#		Thomas Obermair <tommy@inlab.m.eunet.de>
sgcp	440/tcp	sgcp
sgcp	440/udp	sgcp
#		Marshall Rose <mrose@dbc.mtview.ca.us>
decvms-sysmgt	441/tcp	decvms-sysmgt
decvms-sysmgt	441/udp	decvms-sysmgt
#		Lee Barton <barton@star.enet.dec.com>
cvc_hostd	442/tcp	cvc_hostd
cvc_hostd	442/udp	cvc_hostd
#		Bill Davidson <billd@equalizer.cray.com>
https	443/tcp	http protocol over TLS/SSL
https	443/udp	http protocol over TLS/SSL
#		Kipp E.B. Hickman <kipp@mcom.com>
snpp	444/tcp	Simple Network Paging Protocol
snpp	444/udp	Simple Network Paging Protocol
#		[RFC1568]
microsoft-ds	445/tcp	Microsoft-DS
microsoft-ds	445/udp	Microsoft-DS
#		Pradeep Bahl <pradeepb@microsoft.com>
ddm-rdb	446/tcp	DDM-Remote Relational Database Access
ddm-rdb	446/udp	DDM-Remote Relational Database Access
ddm-dfm	447/tcp	DDM-Distributed File Management
ddm-dfm	447/udp	DDM-Distributed File Management
#		Steven Ritland <srr@us.ibm.com>
ddm-ssl	448/tcp	DDM-Remote DB Access Using Secure Sockets
ddm-ssl	448/udp	DDM-Remote DB Access Using Secure Sockets
#		Steven Ritland <srr@us.ibm.com>
as-servermap	449/tcp	AS Server Mapper
as-servermap	449/udp	AS Server Mapper
#		Barbara Foss <BGFOSS@rchvmv.vnet.ibm.com>
tserver	450/tcp	Computer Supported Telecommunication Applications
tserver	450/udp	Computer Supported Telecommunication Applications
#		Harvey S. Schultz <harvey@acm.org>
sfs-smp-net	451/tcp	Cray Network Semaphore server
sfs-smp-net	451/udp	Cray Network Semaphore server
sfs-config	452/tcp	Cray SFS config server
sfs-config	452/udp	Cray SFS config server
#		Walter Poxon <wdp@ironwood.cray.com>
creativeserver	453/tcp	CreativeServer
creativeserver	453/udp	CreativeServer
contentserver	454/tcp	ContentServer
contentserver	454/udp	ContentServer
creativepartnr	455/tcp	CreativePartnr
creativepartnr	455/udp	CreativePartnr
#		Jesus Ortiz <jesus_ortiz@emotion.com>
macon-tcp	456/tcp	macon-tcp
macon-udp	456/udp	macon-udp
#		Yoshinobu Inoue
#		<shin@hodaka.mfd.cs.fujitsu.co.jp>
scohelp	457/tcp	scohelp
scohelp	457/udp	scohelp
#		Faith Zack <faithz@sco.com>
appleqtc	458/tcp	apple quick time
appleqtc	458/udp	apple quick time
#		Murali Ranganathan
#		<murali_ranganathan@quickmail.apple.com>
ampr-rcmd	459/tcp	ampr-rcmd

ampr-rcmd	459/udp	ampr-rcmd
#		Rob Janssen <rob@sys3.pelchl.ampr.org>
skronk	460/tcp	skronk
skronk	460/udp	skronk
#		Henry Strickland <strick@yak.net>
datasurfsrv	461/tcp	DataRampSrv
datasurfsrv	461/udp	DataRampSrv
datasurfsrvsec	462/tcp	DataRampSrvSec
datasurfsrvsec	462/udp	DataRampSrvSec
#		Diane Downie <downie@jibe.MV.COM>
alpes	463/tcp	alpes
alpes	463/udp	alpes
#		Alain Durand <Alain.Durand@imag.fr>
kpasswd	464/tcp	kpasswd
kpasswd	464/udp	kpasswd
#		Theodore Ts'o <tytso@MIT.EDU>
urd	465/tcp	URL Rendesvous Directory for SSM
igmpv3lite	465/udp	IGMP over UDP for SSM
#		Toerless Eckert <eckert@cisco.com>
digital-vrc	466/tcp	digital-vrc
digital-vrc	466/udp	digital-vrc
#		Peter Higginson <higginson@mail.dec.com>
mylex-mapd	467/tcp	mylex-mapd
mylex-mapd	467/udp	mylex-mapd
#		Gary Lewis <GaryL@hq.mylex.com>
photuris	468/tcp	proturis
photuris	468/udp	proturis
#		Bill Simpson <Bill.Simpson@um.cc.umich.edu>
rcp	469/tcp	Radio Control Protocol
rcp	469/udp	Radio Control Protocol
#		Jim Jennings +1-708-538-7241
scx-proxy	470/tcp	scx-proxy
scx-proxy	470/udp	scx-proxy
#		Scott Narveson <sjn@cray.com>
mondex	471/tcp	Mondex
mondex	471/udp	Mondex
#		Bill Reding <redingb@nwdt.natwest.co.uk>
ljk-login	472/tcp	ljk-login
ljk-login	472/udp	ljk-login
#		LJK Software, Cambridge, Massachusetts
#		<support@ljk.com>
hybrid-pop	473/tcp	hybrid-pop
hybrid-pop	473/udp	hybrid-pop
#		Rami Rubin <rami@hybrid.com>
tn-tl-w1	474/tcp	tn-tl-w1
tn-tl-w2	474/udp	tn-tl-w2
#		Ed Kress <eskress@thinknet.com>
tcpnethaspsrv	475/tcp	tcpnethaspsrv
tcpnethaspsrv	475/udp	tcpnethaspsrv
#		Charlie Hava <charlie@aladdin.co.il>
tn-tl-fd1	476/tcp	tn-tl-fd1
tn-tl-fd1	476/udp	tn-tl-fd1
#		Ed Kress <eskress@thinknet.com>
ss7ns	477/tcp	ss7ns
ss7ns	477/udp	ss7ns
#		Jean-Michel URSCH <ursch@taec.enet.dec.com>
spsc	478/tcp	spsc

spsc	478/udp	spsc
#		Mike Rieker <mikea@sp32.com>
iafserver	479/tcp	iafserver
iafserver	479/udp	iafserver
iafdbase	480/tcp	iafdbase
iafdbase	480/udp	iafdbase
#		ricky@solect.com <Rick Yazwinski>
ph	481/tcp	Ph service
ph	481/udp	Ph service
#		Roland Hedberg <Roland.Hedberg@umdac.umu.se>
bgs-nsi	482/tcp	bgs-nsi
bgs-nsi	482/udp	bgs-nsi
#		Jon Saperia <saperia@bgs.com>
ulpnet	483/tcp	ulpnet
ulpnet	483/udp	ulpnet
#		Kevin Mooney <kevinm@bfs.unibol.com>
integra-sme	484/tcp	Integra Software Management Environment
integra-sme	484/udp	Integra Software Management Environment
#		Randall Dow <rand@randix.m.isr.de>
powerburst	485/tcp	Air Soft Power Burst
powerburst	485/udp	Air Soft Power Burst
#		<gary@airsoft.com>
avian	486/tcp	avian
avian	486/udp	avian
#		Robert Ullmann
#		<Robert_Ullmann/CAM/Lotus.LOTUS@crd.lotus.com>
saft	487/tcp	saft Simple Asynchronous File Transfer
saft	487/udp	saft Simple Asynchronous File Transfer
#		Ulli Horlacher <framstag@rus.uni-stuttgart.de>
gss-http	488/tcp	gss-http
gss-http	488/udp	gss-http
#		Doug Rosenthal <rosenthl@krypton.einet.net>
nest-protocol	489/tcp	nest-protocol
nest-protocol	489/udp	nest-protocol
#		Gilles Gameiro <ggameiro@birdland.com>
micom-pfs	490/tcp	micom-pfs
micom-pfs	490/udp	micom-pfs
#		David Misunas <DMisunas@micom.com>
go-login	491/tcp	go-login
go-login	491/udp	go-login
#		Troy Morrison <troy@graphon.com>
ticf-1	492/tcp	Transport Independent Convergence for FNA
ticf-1	492/udp	Transport Independent Convergence for FNA
ticf-2	493/tcp	Transport Independent Convergence for FNA
ticf-2	493/udp	Transport Independent Convergence for FNA
#		Mamoru Ito <Ito@pcnet.ks.pfu.co.jp>
pov-ray	494/tcp	POV-Ray
pov-ray	494/udp	POV-Ray
#		POV-Team Co-ordinator
#		<iana-port.remove-spamguard@povray.org>
intecourier	495/tcp	intecourier
intecourier	495/udp	intecourier
#		Steve Favor <sfavor@tigger.intecom.com>
pim-rp-disc	496/tcp	PIM-RP-DISC
pim-rp-disc	496/udp	PIM-RP-DISC
#		Dino Farinacci <dino@cisco.com>
dantz	497/tcp	dantz

dantz	497/udp	dantz
#		Richard Zulch <richard_zulch@dantz.com>
siam	498/tcp	siam
siam	498/udp	siam
#		Philippe Gilbert <pgilbert@cal.fr>
iso-ill	499/tcp	ISO ILL Protocol
iso-ill	499/udp	ISO ILL Protocol
#		Mark H. Needleman <markn@sirsi.com>
isakmp	500/tcp	isakmp
isakmp	500/udp	isakmp
#		Mark Schertler <mjs@tycho.ncsc.mil>
stmf	501/tcp	STMF
stmf	501/udp	STMF
#		Alan Ungar <aungar@farradyne.com>
asa-appl-proto	502/tcp	asa-appl-proto
asa-appl-proto	502/udp	asa-appl-proto
#		Dennis Dube <ddube@modicon.com>
intrinsa	503/tcp	Intrinsa
intrinsa	503/udp	Intrinsa
#		Robert Ford <robert@intrinsa.com>
citadel	504/tcp	citadel
citadel	504/udp	citadel
#		Art Cancro <ajc@uncensored.citadel.org>
mailbox-lm	505/tcp	mailbox-lm
mailbox-lm	505/udp	mailbox-lm
#		Beverly Moody <Beverly_Moody@stercomm.com>
ohimsrv	506/tcp	ohimsrv
ohimsrv	506/udp	ohimsrv
#		Scott Powell <spowell@openhorizon.com>
crs	507/tcp	crs
crs	507/udp	crs
#		Brad Wright <bradwr@microsoft.com>
xvttp	508/tcp	xvttp
xvttp	508/udp	xvttp
#		Keith J. Alphonso <alphonso@ncs-ssc.com>
snare	509/tcp	snare
snare	509/udp	snare
#		Dennis Batchelder <dennis@capres.com>
fcp	510/tcp	FirstClass Protocol
fcp	510/udp	FirstClass Protocol
#		Mike Marshburn <paul@softarc.com>
passgo	511/tcp	PassGo
passgo	511/udp	PassGo
#		John Rainford <jrainford@passgo.com>
exec	512/tcp	remote process execution;
#		authentication performed using
#		passwords and UNIX login names
comsat	512/udp	
biff	512/udp	used by mail system to notify users
#		of new mail received; currently
#		receives messages only from
#		processes on the same machine
login	513/tcp	remote login a la telnet;
#		automatic authentication performed
#		based on privileged port numbers
#		and distributed data bases which
#		identify "authentication domains"

who	513/udp	maintains data bases showing who's
#		logged in to machines on a local
#		net and the load average of the
#		machine
shell	514/tcp	cmd
#		like exec, but automatic authentication
#		is performed as for login server
syslog	514/udp	
printer	515/tcp	spooler
printer	515/udp	spooler
videotex	516/tcp	videotex
videotex	516/udp	videotex
#		Daniel Mavrakis <system@venus.mctel.fr>
talk	517/tcp	like tenex link, but across
#		machine - unfortunately, doesn't
#		use link protocol (this is actually
#		just a rendezvous port from which a
#		tcp connection is established)
talk	517/udp	like tenex link, but across
#		machine - unfortunately, doesn't
#		use link protocol (this is actually
#		just a rendezvous port from which a
#		tcp connection is established)
ntalk	518/tcp	
ntalk	518/udp	
utime	519/tcp	unixtime
utime	519/udp	unixtime
efs	520/tcp	extended file name server
router	520/udp	local routing process (on site);
#		uses variant of Xerox NS routing
#		information protocol - RIP
ripng	521/tcp	ripng
ripng	521/udp	ripng
#		Robert E. Minnear <minnear@epsilon.com>
ulp	522/tcp	ULP
ulp	522/udp	ULP
#		Max Morris <maxm@MICROSOFT.com>
ibm-db2	523/tcp	IBM-DB2
ibm-db2	523/udp	IBM-DB2
#		Juliana Hsu <jhsu@ca.ibm.com>
ncp	524/tcp	NCP
ncp	524/udp	NCP
#		Don Provan <donp@sjf.novell.com>
timed	525/tcp	timeserver
timed	525/udp	timeserver
tempo	526/tcp	newdate
tempo	526/udp	newdate
#		Unknown
stx	527/tcp	Stock IXChange
stx	527/udp	Stock IXChange
custix	528/tcp	Customer IXChange
custix	528/udp	Customer IXChange
#		Ferdi Ladeira <ferdil@fraxion.biz>
irc-serv	529/tcp	IRC-SERV
irc-serv	529/udp	IRC-SERV
#		Brian Tackett <cym@acrux.net>
courier	530/tcp	rpc

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courier          530/udp    rpc
conference      531/tcp    chat
conference      531/udp    chat
netnews         532/tcp    readnews
netnews         532/udp    readnews
netwall         533/tcp    for emergency broadcasts
netwall         533/udp    for emergency broadcasts
#               Andreas Heidemann <a.heidemann@ais-gmbh.de>
windream        534/tcp    windream Admin
windream        534/udp    windream Admin
#               Uwe Honermann <u.honermann@windream.com>
iiop            535/tcp    iiop
iiop            535/udp    iiop
#               Jeff M. Michaud <michaud@zk3.dec.com>
opalis-rdv      536/tcp    opalis-rdv
opalis-rdv      536/udp    opalis-rdv
#               Laurent Domenech <ldomenech@opalis.com>
nmosp           537/tcp    Networked Media Streaming Protocol
nmosp           537/udp    Networked Media Streaming Protocol
#               Paul Santinelli Jr. <psantinelli@narrative.com>
gdomap          538/tcp    gdomap
gdomap          538/udp    gdomap
#               Richard Frith-Macdonald <richard@brainstorm.co.uk>
apertus-ldp    539/tcp    Apertus Technologies Load Determination
apertus-ldp    539/udp    Apertus Technologies Load Determination
uucp            540/tcp    uucpd
uucp            540/udp    uucpd
uucp-rlogin    541/tcp    uucp-rlogin
uucp-rlogin    541/udp    uucp-rlogin
#               Stuart Lynne <sl@wimsey.com>
commerce        542/tcp    commerce
commerce        542/udp    commerce
#               Randy Epstein <repstein@hostleasing.net>
klogin          543/tcp
klogin          543/udp
kshell          544/tcp    krcmd
kshell          544/udp    krcmd
appleqtcsrver  545/tcp    appleqtcsrver
appleqtcsrver  545/udp    appleqtcsrver
#               Murali Ranganathan
#               <Murali_Ranganathan@quickmail.apple.com>
dhcpcv6-client 546/tcp    DHCPv6 Client
dhcpcv6-client 546/udp    DHCPv6 Client
dhcpcv6-server 547/tcp    DHCPv6 Server
dhcpcv6-server 547/udp    DHCPv6 Server
#               Jim Bound <bound@zk3.dec.com>
afpovertcp     548/tcp    AFP over TCP
afpovertcp     548/udp    AFP over TCP
#               Leland Wallace <randall@apple.com>
idfp           549/tcp    IDFP
idfp           549/udp    IDFP
#               Ramana Kovi <ramana@kovi.com>
new-rwho       550/tcp    new-who
new-rwho       550/udp    new-who
cybercash      551/tcp    cybercash
cybercash      551/udp    cybercash
#               Donald E. Eastlake 3rd <dee@cybercash.com>

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devshr-nts	552/tcp	DeviceShare
devshr-nts	552/udp	DeviceShare
#		Benjamin Rosenberg <brosenberg@advsyscon.com>
pirp	553/tcp	pirp
pirp	553/udp	pirp
#		D. J. Bernstein <djb@silverton.berkeley.edu>
rtsp	554/tcp	Real Time Stream Control Protocol
rtsp	554/udp	Real Time Stream Control Protocol
#		Rob Lanphier <robla@prognnet.com>
dsf	555/tcp	
dsf	555/udp	
remotefs	556/tcp	rfs server
remotefs	556/udp	rfs server
openvms-sysipc	557/tcp	openvms-sysipc
openvms-sysipc	557/udp	openvms-sysipc
#		Alan Potter <potter@movies.enet.dec.com>
sdnskmp	558/tcp	SDNSKMP
sdnskmp	558/udp	SDNSKMP
teedtap	559/tcp	TEEDTAP
teedtap	559/udp	TEEDTAP
#		Charlie Limoges <Charlie.Limoges@GDC4S.com>
rmonitor	560/tcp	rmonitord
rmonitor	560/udp	rmonitord
monitor	561/tcp	
monitor	561/udp	
chshell	562/tcp	chcmd
chshell	562/udp	chcmd
nntps	563/tcp	nntp protocol over TLS/SSL (was snntp)
nntps	563/udp	nntp protocol over TLS/SSL (was snntp)
#		Kipp E.B. Hickman <kipp@netscape.com>
9pfs	564/tcp	plan 9 file service
9pfs	564/udp	plan 9 file service
whoami	565/tcp	whoami
whoami	565/udp	whoami
streettalk	566/tcp	streettalk
streettalk	566/udp	streettalk
banyan-rpc	567/tcp	banyan-rpc
banyan-rpc	567/udp	banyan-rpc
#		Tom Lemaire <toml@banyan.com>
ms-shuttle	568/tcp	microsoft shuttle
ms-shuttle	568/udp	microsoft shuttle
#		Rudolph Balaz <rudolphb@microsoft.com>
ms-rome	569/tcp	microsoft rome
ms-rome	569/udp	microsoft rome
#		Rudolph Balaz <rudolphb@microsoft.com>
meter	570/tcp	demon
meter	570/udp	demon
meter	571/tcp	udemon
meter	571/udp	udemon
sonar	572/tcp	sonar
sonar	572/udp	sonar
#		Keith Moore <moore@cs.utk.edu>
banyan-vip	573/tcp	banyan-vip
banyan-vip	573/udp	banyan-vip
#		Denis Leclerc <DLeclerc@banyan.com>
ftp-agent	574/tcp	FTP Software Agent System
ftp-agent	574/udp	FTP Software Agent System

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#                               Michael S. Greenberg <arnoff@ftp.com>
vemmi                575/tcp    VEMMI
vemmi                575/udp    VEMMI
#                               Daniel Mavrakis <mavrakis@mctel.fr>
ipcd                 576/tcp    ipcd
ipcd                 576/udp    ipcd
vnas                 577/tcp    vnas
vnas                 577/udp    vnas
ipdd                 578/tcp    ipdd
ipdd                 578/udp    ipdd
#                               Jay Farhat <jfarhat@ipass.com>
decbsrv              579/tcp    decbsrv
decbsrv              579/udp    decbsrv
#                               Rudi Martin <movies::martin"@movies.enet.dec.com>
snmp-heartbeat      580/tcp    SNMP HEARTBEAT
snmp-heartbeat      580/udp    SNMP HEARTBEAT
#                               Louis Mamakos <louie@uu.net>
bdp                  581/tcp    Bundle Discovery Protocol
bdp                  581/udp    Bundle Discovery Protocol
#                               Gary Malkin <gmalkin@xylogics.com>
scc-security        582/tcp    SCC Security
scc-security        582/udp    SCC Security
#                               Prashant Dholakia <prashant@semaphorecom.com>
philips-vc          583/tcp    Philips Video-Conferencing
philips-vc          583/udp    Philips Video-Conferencing
#                               Janna Chang <janna@pmc.philips.com>
keyserver           584/tcp    Key Server
keyserver           584/udp    Key Server
#                               Gary Howland <gary@systemics.com>
#                               585      De-registered (25 April 2006)
#                               Use of 585 is not recommended, use 993 instead
password-chg        586/tcp    Password Change
password-chg        586/udp    Password Change
submission           587/tcp    Submission
submission           587/udp    Submission
#                               [RFC4409]
cal                  588/tcp    CAL
cal                  588/udp    CAL
#                               Myron Hattig <Myron_Hattig@ccm.jf.intel.com>
eyelink             589/tcp    EyeLink
eyelink             589/udp    EyeLink
#                               Dave Stampe <dstampe@psych.toronto.edu>
tns-cml             590/tcp    TNS CML
tns-cml             590/udp    TNS CML
#                               Jerome Albin <albin@taec.enet.dec.com>
http-alt            591/tcp    FileMaker, Inc. - HTTP Alternate (see Port 80)
http-alt            591/udp    FileMaker, Inc. - HTTP Alternate (see Port 80)
#                               Clay Maeckel <clay_maeckel@filemaker.com>
eudora-set          592/tcp    Eudora Set
eudora-set          592/udp    Eudora Set
#                               Randall Gellens <randy@qualcomm.com>
http-rpc-epmap      593/tcp    HTTP RPC Ep Map
http-rpc-epmap      593/udp    HTTP RPC Ep Map
#                               Edward Reus <edwardr@microsoft.com>
tpip                594/tcp    TPIP
tpip                594/udp    TPIP
#                               Brad Spear <spears@platinum.com>

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cab-protocol	595/tcp	CAB Protocol
cab-protocol	595/udp	CAB Protocol
#		Winston Hetherington
smsd	596/tcp	SMSD
smsd	596/udp	SMSD
#		Wayne Barlow <web@unx.dec.com>
ptcnameservice	597/tcp	PTC Name Service
ptcnameservice	597/udp	PTC Name Service
#		Yuri Machkasov <yuri@ptc.com>
sco-websrvrmg3	598/tcp	SCO Web Server Manager 3
sco-websrvrmg3	598/udp	SCO Web Server Manager 3
#		Simon Baldwin <simonb@sco.com>
acp	599/tcp	Aeolon Core Protocol
acp	599/udp	Aeolon Core Protocol
#		Michael Alyn Miller <iana@aeolon.com>
ipcserver	600/tcp	Sun IPC server
ipcserver	600/udp	Sun IPC server
#		Bill Schiefelbein <schief@aspen.cray.com>
syslog-conn	601/tcp	Reliable Syslog Service
syslog-conn	601/udp	Reliable Syslog Service
#		RFC 3195
xmlrpc-beep	602/tcp	XML-RPC over BEEP
xmlrpc-beep	602/udp	XML-RPC over BEEP
#		RFC3529 <ftp://ftp.isi.edu/in-notes/rfc3529.txt>
March 2003		
idxp	603/tcp	IDXP
idxp	603/udp	IDXP
#		RFC-ietf-idwg-beep-idxp-07.txt
tunnel	604/tcp	TUNNEL
tunnel	604/udp	TUNNEL
#		RFC3620
soap-beep	605/tcp	SOAP over BEEP
soap-beep	605/udp	SOAP over BEEP
#		RFC3288 <ftp://ftp.isi.edu/in-notes/rfc3288.txt>
April 2002		
urm	606/tcp	Cray Unified Resource Manager
urm	606/udp	Cray Unified Resource Manager
nqs	607/tcp	nqs
nqs	607/udp	nqs
#		Bill Schiefelbein <schief@aspen.cray.com>
sift-uft	608/tcp	Sender-Initiated/Unsolicited File Transfer
sift-uft	608/udp	Sender-Initiated/Unsolicited File Transfer
#		Rick Troth <troth@rice.edu>
npmp-trap	609/tcp	npmp-trap
npmp-trap	609/udp	npmp-trap
npmp-local	610/tcp	npmp-local
npmp-local	610/udp	npmp-local
npmp-gui	611/tcp	npmp-gui
npmp-gui	611/udp	npmp-gui
#		John Barnes <jbarnes@crl.com>
hmmp-ind	612/tcp	HMMP Indication
hmmp-ind	612/udp	HMMP Indication
hmmp-op	613/tcp	HMMP Operation
hmmp-op	613/udp	HMMP Operation
#		Andrew Sinclair <andrsin@microsoft.com>
sshell	614/tcp	SSLshell
sshell	614/udp	SSLshell

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#           Simon J. Gerraty <sjg@quick.com.au>
sco-inetmgr 615/tcp      Internet Configuration Manager
sco-inetmgr 615/udp     Internet Configuration Manager
sco-sysmgr  616/tcp     SCO System Administration Server
sco-sysmgr  616/udp     SCO System Administration Server
sco-dtmgr   617/tcp     SCO Desktop Administration Server
sco-dtmgr   617/udp     SCO Desktop Administration Server
#           Christopher Durham <chrisdu@sco.com>
dei-icda   618/tcp     DEI-ICDA
dei-icda   618/udp     DEI-ICDA
#           David Turner <digital@Quetico.tbaytel.net>
compaq-evm 619/tcp     Compaq EVM
compaq-evm 619/udp     Compaq EVM
#           Jem Treadwell <Jem.Treadwell@compaq.com>
sco-websrvr 620/tcp    SCO WebServer Manager
sco-websrvr 620/udp    SCO WebServer Manager
#           Christopher Durham <chrisdu@sco.com>
escp-ip     621/tcp     ESCP
escp-ip     621/udp     ESCP
#           Lai Zit Seng <lzs@pobox.com>
collaborator 622/tcp   Collaborator
collaborator 622/udp   Collaborator
#           Johnson Davis <johnsond@opteamasoft.com>
asf-rmcp    623/tcp     ASF Remote Management and Control Protocol
asf-rmcp    623/udp     ASF Remote Management and Control Protocol
#           Carl First <Carl.L.First@intel.com>
cryptoadmin 624/tcp     Crypto Admin
cryptoadmin 624/udp     Crypto Admin
#           Tony Walker <tony@cryptocard.com>
dec_dlm     625/tcp     DEC DLM
dec_dlm     625/udp     DEC DLM
#           Rudi Martin <Rudi.Martin@edo.mts.dec.com>
asia        626/tcp     ASIA
asia        626/udp     ASIA
#           Michael Dasenbrock <dasenbro@apple.com>
passgo-tivoli 627/tcp   PassGo Tivoli
passgo-tivoli 627/udp   PassGo Tivoli
#           John Rainford <john.rainford@passgo.com>
qmqp        628/tcp     QMQP
qmqp        628/udp     QMQP
#           Dan Bernstein <djb@cr.yip.to>
3com-amp3   629/tcp     3Com AMP3
3com-amp3   629/udp     3Com AMP3
#           Prakash Banthia <prakash_banthia@3com.com>
rda         630/tcp     RDA
rda         630/udp     RDA
#           John Hadjioannou <john@minster.co.uk>
ipp         631/tcp     IPP (Internet Printing Protocol)
ipp         631/udp     IPP (Internet Printing Protocol)
#           Carl-Uno Manros <manros@cp10.es.xerox.com>
bmpp        632/tcp     bmpp
bmpp        632/udp     bmpp
#           Troy Rollo <troy@kroll.corvu.com.au>
servstat    633/tcp     Service Status update (Sterling Software)
servstat    633/udp     Service Status update (Sterling Software)
#           Greg Rose <Greg_Rose@sydney.sterling.com>
ginad       634/tcp     ginad

```

```

ginad          634/udp    ginad
#             Mark Crother <mark@eis.calstate.edu>
rlzdbase      635/tcp    RLZ DBase
rlzdbase      635/udp    RLZ DBase
#             Michael Ginn <ginn@tyxar.com>
ldaps         636/tcp    ldap protocol over TLS/SSL (was sldap)
ldaps         636/udp    ldap protocol over TLS/SSL (was sldap)
#             Pat Richard <patr@xcert.com>
lanserver     637/tcp    lanserver
lanserver     637/udp    lanserver
#             Chris Larsson <clarsson@VNET.IBM.COM>
mcns-sec      638/tcp    mcns-sec
mcns-sec      638/udp    mcns-sec
#             Kaz Ozawa <k.ozawa@cablelabs.com>
msdp          639/tcp    MSDP
msdp          639/udp    MSDP
#             Dino Farinacci <dino@cisco.com>
entrust-sps   640/tcp    entrust-sps
entrust-sps   640/udp    entrust-sps
#             Marek Buchler <Marek.Buchler@entrust.com>
repcmd        641/tcp    repcmd
repcmd        641/udp    repcmd
#             Scott Dale <scott@Replicase.com>
esro-emsdp    642/tcp    ESRO-EMSDP V1.3
esro-emsdp    642/udp    ESRO-EMSDP V1.3
#             Mohsen Banan <mohsen@neda.com>
sanity        643/tcp    SANity
sanity        643/udp    SANity
#             Peter Viscarola <PeterGV@osr.com>
dwr           644/tcp    dwr
dwr           644/udp    dwr
#             Bill Fenner <fenner@parc.xerox.com>
pssc          645/tcp    PSSC
pssc          645/udp    PSSC
#             Egon Meier-Engelen <egon.meier-engelen@dlr.de>
ldp           646/tcp    LDP
ldp           646/udp    LDP
#             Bob Thomas <rhthomas@cisco.com>
dhcp-failover 647/tcp    DHCP Failover
dhcp-failover 647/udp    DHCP Failover
#             Bernard Volz <volz@cisco.com>
rrp           648/tcp    Registry Registrar Protocol (RRP)
rrp           648/udp    Registry Registrar Protocol (RRP)
#             Scott Hollenbeck <shollenb@netsol.com>
cadview-3d    649/tcp    Cadview-3d - streaming 3d models over the internet
cadview-3d    649/udp    Cadview-3d - streaming 3d models over the internet
#             David Cooper <david.cooper@oracle.com>
obex          650/tcp    OBEX
obex          650/udp    OBEX
#             Jeff Garbers <FJG030@email.mot.com>
ieee-mms      651/tcp    IEEE MMS
ieee-mms      651/udp    IEEE MMS
#             Curtis Anderson <canderson@turbolinux.com>
hello-port    652/tcp    HELLO_PORT
hello-port    652/udp    HELLO_PORT
#             Patrick Capiere <Patrick.Capiere@UDcast.com>
repscmd       653/tcp    RepCmd

```

```

repscmd          653/udp    RepCmd
#                Scott Dale <scott@tioga.com>
aodv             654/tcp    AODV
aodv             654/udp    AODV
#                Charles Perkins <cperkins@eng.sun.com>
tinc             655/tcp    TINC
tinc             655/udp    TINC
#                Ivo Timmermans <itimmermans@bigfoot.com>
spmp             656/tcp    SPMP
spmp             656/udp    SPMP
#                Jakob Kaivo <jkaivo@nodomainname.net>
rnc              657/tcp    RMC
rnc              657/udp    RMC
#                Michael Schmidt <mmaass@us.ibm.com>
tenfold          658/tcp    TenFold
tenfold          658/udp    TenFold
#                Louis Olszyk <lolszyk@10fold.com>
#                659                Removed (2001-06-06)
mac-srvr-admin  660/tcp    MacOS Server Admin
mac-srvr-admin  660/udp    MacOS Server Admin
#                Forest Hill <forest@apple.com>
hap              661/tcp    HAP
hap              661/udp    HAP
#                Igor Plotnikov <igor@uroam.com>
pftp             662/tcp    PFTP
pftp             662/udp    PFTP
#                Ben Schluricke <support@pftp.de>
purenoise        663/tcp    PureNoise
purenoise        663/udp    PureNoise
#                Sam Osa <pristine@mailcity.com>
asf-secure-rmcp 664/tcp    ASF Secure Remote Management and Control Protocol
asf-secure-rmcp 664/udp    ASF Secure Remote Management and Control Protocol
#                Carl First <Carl.L.First@intel.com>
sun-dr           665/tcp    Sun DR
sun-dr           665/udp    Sun DR
#                Harinder Bhasin <Harinder.Bhasin@Sun.COM>
mdqs             666/tcp    doom Id Software
mdqs             666/udp    doom Id Software
doom             666/tcp    doom Id Software
doom             666/udp    doom Id Software
#                <ddt@idcube.idsoftware.com>
disclose         667/tcp    campaign contribution disclosures - SDR Technologies
disclose         667/udp    campaign contribution disclosures - SDR Technologies
#                Jim Dixon <jim@lambda.com>
mecomm           668/tcp    MeComm
mecomm           668/udp    MeComm
mereregister     669/tcp    MeRegister
mereregister     669/udp    MeRegister
#                Armin Sawusch <armin@esd1.esd.de>
vacdsm-sws       670/tcp    VACDSM-SWS
vacdsm-sws       670/udp    VACDSM-SWS
vacdsm-app       671/tcp    VACDSM-APP
vacdsm-app       671/udp    VACDSM-APP
vpps-qua         672/tcp    VPPS-QUA
vpps-qua         672/udp    VPPS-QUA
cimplex          673/tcp    CIMPLEX
cimplex          673/udp    CIMPLEX

```

```

#                               Ulysses G. Smith Jr. <ugsmith@cesi.com>
acap                674/tcp      ACAP
acap                674/udp      ACAP
#                               Chris Newman <chris.newman@sun.com>
dctp                675/tcp      DCTP
dctp                675/udp      DCTP
#                               Andre Kramer <Andre.Kramer@ansa.co.uk>
vpps-via           676/tcp      VPPS Via
vpps-via           676/udp      VPPS Via
#                               Ulysses G. Smith Jr. <ugsmith@cesi.com>
vpp                677/tcp      Virtual Presence Protocol
vpp                677/udp      Virtual Presence Protocol
#                               Klaus Wolf <wolf@cobrow.com>
ggf-ncp            678/tcp      GNU Generation Foundation NCP
ggf-ncp            678/udp      GNU Generation Foundation NCP
#                               Noah Paul <noahp@altavista.net>
mrm                679/tcp      MRM
mrm                679/udp      MRM
#                               Liming Wei <lwei@cisco.com>
entrust-aaas       680/tcp      entrust-aaas
entrust-aaas       680/udp      entrust-aaas
entrust-aams        681/tcp      entrust-aams
entrust-aams        681/udp      entrust-aams
#                               Adrian Mancini <adrian.mancini@entrust.com>
xfr                682/tcp      XFR
xfr                682/udp      XFR
#                               Noah Paul <noahp@ultranet.com>
corba-iiop         683/tcp      CORBA IIOP
corba-iiop         683/udp      CORBA IIOP
corba-iiop-ssl     684/tcp      CORBA IIOP SSL
corba-iiop-ssl     684/udp      CORBA IIOP SSL
#                               Andrew Watson <andrew@omg.org>
mdc-portmapper     685/tcp      MDC Port Mapper
mdc-portmapper     685/udp      MDC Port Mapper
#                               Noah Paul <noahp@altavista.net>
hcp-wismar         686/tcp      Hardware Control Protocol Wismar
hcp-wismar         686/udp      Hardware Control Protocol Wismar
#                               David Merchant <d.f.merchant@livjm.ac.uk>
asipregistry       687/tcp      asipregistry
asipregistry       687/udp      asipregistry
#                               Erik Sea <sea@apple.com>
realm-rusd         688/tcp      ApplianceWare managment protocol
realm-rusd         688/udp      ApplianceWare managment protocol
#                               Stacy Kenworthy <skenworthy@applianceware.com>
nmap               689/tcp      NMAP
nmap               689/udp      NMAP
#                               Peter Dennis Bartok <peter@novonyx.com>
vatp               690/tcp      Velazquez Application Transfer Protocol
vatp               690/udp      Velazquez Application Transfer Protocol
#                               Velneo <velneo@velneo.com>
msexch-routing     691/tcp      MS Exchange Routing
msexch-routing     691/udp      MS Exchange Routing
#                               David Lemson <dlemson@microsoft.com>
hyperwave-isp      692/tcp      Hyperwave-ISP
hyperwave-isp      692/udp      Hyperwave-ISP
#                               Gerald Mesaric <gmesaric@hyperwave.com>
connendp           693/tcp      connendp

```

connendp	693/udp	connendp
#		Ronny Bremer <rbremer@future-gate.com>
ha-cluster	694/tcp	ha-cluster
ha-cluster	694/udp	ha-cluster
#		Alan Robertson <alanr@unix.sh>
ieee-mms-ssl	695/tcp	IEEE-MMS-SSL
ieee-mms-ssl	695/udp	IEEE-MMS-SSL
#		Curtis Anderson <ecanderson@turbolinux.com>
rushd	696/tcp	RUSHD
rushd	696/udp	RUSHD
#		Greg Ercolano <erco@netcom.com>
uuidgen	697/tcp	UUIDGEN
uuidgen	697/udp	UUIDGEN
#		James Falkner <james.falkner@sun.com>
olsr	698/tcp	OLSR
olsr	698/udp	OLSR
#		Thomas Clausen <thomas.clausen@inria.fr>
accessnetwork	699/tcp	Access Network
accessnetwork	699/udp	Access Network
#		Yingchun Xu <Yingchun_Xu@3com.com>
epp	700/tcp	Extensible Provisioning Protocol
epp	700/udp	Extensible Provisioning Protocol
#		[RFC-hollenbeck-epp-rfc3734bis-05.txt]
lmp	701/tcp	Link Management Protocol (LMP)
lmp	701/udp	Link Management Protocol (LMP)
#		[RFC4204]
iris-beep	702/tcp	IRIS over BEEP
iris-beep	702/udp	IRIS over BEEP
#		[RFC3983]
#	703	Unassigned
elcsd	704/tcp	errlog copy/server daemon
elcsd	704/udp	errlog copy/server daemon
agentx	705/tcp	AgentX
agentx	705/udp	AgentX
#		Bob Natale <bob.natale@appliedsnmp.com>
silc	706/tcp	SILC
silc	706/udp	SILC
#		Pekka Riikonen <priikone@poseidon.pspt.fi>
borland-dsj	707/tcp	Borland DSJ
borland-dsj	707/udp	Borland DSJ
#		Gerg Cole <gcole@corp.borland.com>
#	708	Unassigned
entrust-kmsh	709/tcp	Entrust Key Management Service Handler
entrust-kmsh	709/udp	Entrust Key Management Service Handler
entrust-ash	710/tcp	Entrust Administration Service Handler
entrust-ash	710/udp	Entrust Administration Service Handler
#		Peter Whittaker <pww@entrust.com>
cisco-tdp	711/tcp	Cisco TDP
cisco-tdp	711/udp	Cisco TDP
#		Bruce Davie <bsd@cisco.com>
tbrpf	712/tcp	TBRPF
tbrpf	712/udp	TBRPF
#		RFC3684
#	713-728	Unassigned
netviewdm1	729/tcp	IBM NetView DM/6000 Server/Client
netviewdm1	729/udp	IBM NetView DM/6000 Server/Client
netviewdm2	730/tcp	IBM NetView DM/6000 send/tcp

netviewdm2	730/udp	IBM NetView DM/6000 send/tcp
netviewdm3	731/tcp	IBM NetView DM/6000 receive/tcp
netviewdm3	731/udp	IBM NetView DM/6000 receive/tcp
#		Philippe Binet (phbinet@vnet.IBM.COM)
#	732-740	Unassigned
netgw	741/tcp	netGW
netgw	741/udp	netGW
#		Oliver Korfmacher (okorf@netcs.com)
netrcs	742/tcp	Network based Rev. Cont. Sys.
netrcs	742/udp	Network based Rev. Cont. Sys.
#		Gordon C. Galligher <gorpong@ping.chi.il.us>
#	743	Unassigned
flexlm	744/tcp	Flexible License Manager
flexlm	744/udp	Flexible License Manager
#		Matt Christiano
#		<globes@matt@oliveb.atc.olivetti.com>
#	745-746	Unassigned
fujitsu-dev	747/tcp	Fujitsu Device Control
fujitsu-dev	747/udp	Fujitsu Device Control
ris-cm	748/tcp	Russell Info Sci Calendar Manager
ris-cm	748/udp	Russell Info Sci Calendar Manager
kerberos-adm	749/tcp	kerberos administration
kerberos-adm	749/udp	kerberos administration
rfile	750/tcp	
loadav	750/udp	
kerberos-iv	750/udp	kerberos version iv
#		Martin Hamilton <martin@mrrl.lut.as.uk>
pump	751/tcp	
pump	751/udp	
qrh	752/tcp	
qrh	752/udp	
rrh	753/tcp	
rrh	753/udp	
tell	754/tcp	send
tell	754/udp	send
#		Josyula R. Rao <jrrao@watson.ibm.com>
#	755-756	Unassigned
nlogin	758/tcp	
nlogin	758/udp	
con	759/tcp	
con	759/udp	
ns	760/tcp	
ns	760/udp	
rx	761/tcp	
rx	761/udp	
quotad	762/tcp	
quotad	762/udp	
cycleserv	763/tcp	
cycleserv	763/udp	
omserv	764/tcp	
omserv	764/udp	
webster	765/tcp	
webster	765/udp	
#		Josyula R. Rao <jrrao@watson.ibm.com>
#	766	Unassigned
phonebook	767/tcp	phone
phonebook	767/udp	phone

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#                               Josyula R. Rao <jrrao@watson.ibm.com>
#                               768                               Unassigned
vid                             769/tcp
vid                             769/udp
cadlock                         770/tcp
cadlock                         770/udp
rtip                            771/tcp
rtip                            771/udp
cycleserv2                      772/tcp
cycleserv2                      772/udp
submit                          773/tcp
notify                          773/udp
rpasswd                         774/tcp
acmaint_dbd                    774/udp
entomb                          775/tcp
acmaint_transd                 775/udp
wpages                         776/tcp
wpages                         776/udp
#                               Josyula R. Rao <jrrao@watson.ibm.com>
multiling-http                 777/tcp   Multiling HTTP
multiling-http                 777/udp   Multiling HTTP
#                               Alejandro Bonet <babel@ctv.es>
#                               778-779                           Unassigned
wpgs                           780/tcp
wpgs                           780/udp
#                               Josyula R. Rao <jrrao@watson.ibm.com>
#                               781-785                           Unassigned
#                               786                               Unassigned (Removed 2002-05-08)
#                               787                               Unassigned (Removed 2002-10-08)
#                               788-799                           Unassigned
mdbs_daemon                   800/tcp
mdbs_daemon                   800/udp
device                        801/tcp
device                        801/udp
#                               802-809                           Unassigned
fcp-udp                       810/tcp   FCP
fcp-udp                       810/udp   FCP Datagram
#                               Paul Whittmore <paul@softarc.com>
#                               811-827                           Unassigned
itm-mcell-s                   828/tcp   itm-mcell-s
itm-mcell-s                   828/udp   itm-mcell-s
#                               Portnoy Boxman <portnoy_boxman@bmc.com>
pkix-3-ca-ra                  829/tcp   PKIX-3 CA/RA
pkix-3-ca-ra                  829/udp   PKIX-3 CA/RA
#                               Carlisle Adams <Cadams@entrust.com>
netconf-ssh                   830/tcp   NETCONF over SSH
netconf-ssh                   830/udp   NETCONF over SSH
#                               [RFC4742]
netconf-beep                  831/tcp   NETCONF over BEEP
netconf-beep                  831/udp   NETCONF over BEEP
#                               [RFC4744]
netconfsoaphttp               832/tcp   NETCONF for SOAP over HTTPS
netconfsoaphttp               832/udp   NETCONF for SOAP over HTTPS
#                               [RFC4743]
netconfsoapbeep               833/tcp   NETCONF for SOAP over BEEP
netconfsoapbeep               833/udp   NETCONF for SOAP over BEEP
#                               [RFC4743]

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#           834-846      Unassigned
dhcp-failover2 847/tcp    dhcp-failover 2
dhcp-failover2 847/udp    dhcp-failover 2
#           Bernard Volz <volz@cisco.com>
gdoi         848/tcp    GDOI
gdoi         848/udp    GDOI
#           RFC-ietf-msec-gdoi-07.txt
#           849-859      Unassigned
iscsi        860/tcp    iSCSI
iscsi        860/udp    iSCSI
#           RFC3720
owamp-control 861/tcp    OWAMP-Control
owamp-control 861/udp    OWAMP-Control
#           [RFC4656]
#           862-872      Unassigned
rsync        873/tcp    rsync
rsync        873/udp    rsync
#           Andrew Tridge <tridge@samba.anu.edu.au>
#           874-885      Unassigned
iclcnnet-locate 886/tcp    ICL coNETion locate server
iclcnnet-locate 886/udp    ICL coNETion locate server
#           Bob Lyon <bl@oasis.icl.co.uk>
iclcnnet_svinfo 887/tcp    ICL coNETion server info
iclcnnet_svinfo 887/udp    ICL coNETion server info
#           Bob Lyon <bl@oasis.icl.co.uk>
accessbuilder 888/tcp    AccessBuilder
accessbuilder 888/udp    AccessBuilder
#           Steve Sweeney <Steven_Sweeney@3mail.3com.com>
# The following entry records an unassigned but widespread use
cddb         888/tcp    CD Database Protocol
#           Steve Scherf <steve@moonsoft.com>
#
#           889-899      Unassigned
omginitialrefs 900/tcp    OMG Initial Refs
omginitialrefs 900/udp    OMG Initial Refs
#           Christian Callsen <Christian.Callsen@eng.sun.com>
smpnameres    901/tcp    SMPNAMERES
smpnameres    901/udp    SMPNAMERES
#           Leif Ekblad <leif@rdos.net>
ideafarm-chat 902/tcp    IDEAFARM-CHAT
ideafarm-chat 902/udp    IDEAFARM-CHAT
ideafarm-catch 903/tcp    IDEAFARM-CATCH
ideafarm-catch 903/udp    IDEAFARM-CATCH
#           Wo'o Ideafarm <1@ideafarm.com>
#           904-909      Unassigned
kink          910/tcp    Kerberized Internet Negotiation of Keys (KINK)
kink          910/udp    Kerberized Internet Negotiation of Keys (KINK)
#           [RFC4430]
xact-backup   911/tcp    xact-backup
xact-backup   911/udp    xact-backup
#           Bill Carroll <billc@xactlabs.com>
apex-mesh     912/tcp    APEX relay-relay service
apex-mesh     912/udp    APEX relay-relay service
apex-edge     913/tcp    APEX endpoint-relay service
apex-edge     913/udp    APEX endpoint-relay service
#           [RFC3340]
#           914-988      Unassigned

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```

ftps-data  989/tcp    ftp protocol, data, over TLS/SSL
ftps-data  989/udp    ftp protocol, data, over TLS/SSL
ftps       990/tcp    ftp protocol, control, over TLS/SSL
ftps       990/udp    ftp protocol, control, over TLS/SSL
#
#           Christopher Allen <ChristopherA@consensus.com>
nas        991/tcp    Netnews Administration System
nas        991/udp    Netnews Administration System
#
#           Vera Heinau <heinau@fu-berlin.de>
#           Heiko Schlichting <heiko@fu-berlin.de>
telnet     992/tcp    telnet protocol over TLS/SSL
telnet     992/udp    telnet protocol over TLS/SSL
imap       993/tcp    imap4 protocol over TLS/SSL
imap       993/udp    imap4 protocol over TLS/SSL
irc        994/tcp    irc protocol over TLS/SSL
irc        994/udp    irc protocol over TLS/SSL
#
#           Christopher Allen <ChristopherA@consensus.com>
pop3s     995/tcp    pop3 protocol over TLS/SSL (was spop3)
pop3s     995/udp    pop3 protocol over TLS/SSL (was spop3)
#
#           Gordon Mangione <gordm@microsoft.com>
vsinet    996/tcp    vsinet
vsinet    996/udp    vsinet
#
#           Rob Juergens <robj@vsi.com>
maird     997/tcp
maird     997/udp
busboy    998/tcp
puparp    998/udp
garcon    999/tcp
applix    999/udp    Applix ac
puprouter 999/tcp
puprouter 999/udp
cadlock2  1000/tcp
cadlock2  1000/udp
#
#           1001-1009 Unassigned
#
#           1008/udp Possibly used by Sun Solaris????
surf      1010/tcp    surf
surf      1010/udp    surf
#
#           Joseph Geer <jgeer@peapod.com>
#
#           1011-1020 Reserved
exp1      1021/tcp    RFC3692-style Experiment 1 (*) [RFC4727]
exp1      1021/udp    RFC3692-style Experiment 1 (*) [RFC4727]
exp2      1022/tcp    RFC3692-style Experiment 2 (*) [RFC4727]
exp2      1022/udp    RFC3692-style Experiment 2 (*) [RFC4727]
#
#           1023/tcp Reserved
#
#           1023/udp Reserved
#
#           IANA <iana@iana.org>

```

(*) It is only appropriate to use these values in explicitly-configured experiments; they MUST NOT be shipped as defaults in implementations. See RFC 3692 for details.

REGISTERED PORT NUMBERS

The Registered Ports are listed by the IANA and on most systems can be used by ordinary user processes or programs executed by ordinary users.

Ports are used in the TCP [RFC793] to name the ends of logical connections which carry long term conversations. For the purpose of providing services to unknown callers, a service contact port is defined. This list specifies the port used by the server process as its contact port.

The IANA registers uses of these ports as a convenience to the community.

To the extent possible, these same port assignments are used with the UDP [RFC768].

The Registered Ports are in the range 1024-49151.

Port Assignments:

Keyword	Decimal	Description	References
-----	-----	-----	-----
	1024/tcp	Reserved	
	1024/udp	Reserved	
#		IANA <iana@iana.org>	
blackjack	1025/tcp	network blackjack	
blackjack	1025/udp	network blackjack	
#		Unknown contact	
cap	1026/tcp	Calendar Access Protocol	
cap	1026/udp	Calendar Access Protocol	
#		Doug Royer <Doug@Royer.com> June 2002	
#	1027/tcp	Unassigned (Removed on 2005-09-16)	
#	1028	Deprecated February 2004	
solid-mux	1029/tcp	Solid Mux Server	
solid-mux	1029/udp	Solid Mux Server	
#		Anders Borg <anders.borg@solid.se> November 2004	
iad1	1030/tcp	BBN IAD	
iad1	1030/udp	BBN IAD	
iad2	1031/tcp	BBN IAD	
iad2	1031/udp	BBN IAD	
iad3	1032/tcp	BBN IAD	
iad3	1032/udp	BBN IAD	
#		Andy Malis <malis_a@timeplex.com>	
netinfo-local	1033/tcp	local netinfo port	
netinfo-local	1033/udp	local netinfo port	
#		Marc Majka <majka@apple.com> August 2002	
activesync	1034/tcp	ActiveSync Notifications	
activesync	1034/udp	ActiveSync Notifications	
#		Sandra Vargas <Sandrama@microsoft.com> March 2003	
mxxrlogin	1035/tcp	MX-XR RPC	
mxxrlogin	1035/udp	MX-XR RPC	
#		Arnold E. Mauer <amauer@vrms.com> April 2003	
nsstp	1036/tcp	Nebula Secure Segment Transfer Protocol	
nsstp	1036/udp	Nebula Secure Segment Transfer Protocol	
#		Steve Ravida <steve.ravida@nebulaholdings.com>	
ams	1037/tcp	AMS	
ams	1037/udp	AMS	

```

# Ronald R. Ohmer <rohmer@aisconsulting.net> October
2003 / February 2004
mtqp 1038/tcp Message Tracking Query Protocol
mtqp 1038/udp Message Tracking Query Protocol
# [RFC3887]
sbl 1039/tcp Streamlined Blackhole
sbl 1039/udp Streamlined Blackhole
# Jonathan A. Zdziaraski
<jonathan@nuclearelephant.com> November 2004
netarx 1040/tcp Netarx
netarx 1040/udp Netarx
# Fredrick Paul Eisele <phreed@netarx.com>
danf-ak2 1041/tcp AK2 Product
danf-ak2 1041/udp AK2 Product
# Karl Palsson <karl_p@danfoss.com> November 2004
afrog 1042/tcp Subnet Roaming
afrog 1042/udp Subnet Roaming
# Michael Chapman <mchapman@fortresstech.com> November
2004
boinc-client 1043/tcp BOINC Client Control
boinc-client 1043/udp BOINC Client Control
# David Anderson <davea@ssl.berkeley.edu> November
2004
dcutility 1044/tcp Dev Consortium Utility
dcutility 1044/udp Dev Consortium Utility
# Chris Ryland <cpr@emsoftware.com> November 2004
fpitp 1045/tcp Fingerprint Image Transfer Protocol
fpitp 1045/udp Fingerprint Image Transfer Protocol
# Steven Fields <sfields@identix.com> February 2002
wfremotertm 1046/tcp WebFilter Remote Monitor
wfremotertm 1046/udp WebFilter Remote Monitor
# Tim Morgan <timm@surfcontrol.com> November 2004
neod1 1047/tcp Sun's NEO Object Request Broker
neod1 1047/udp Sun's NEO Object Request Broker
neod2 1048/tcp Sun's NEO Object Request Broker
neod2 1048/udp Sun's NEO Object Request Broker
# Rohit Garg <rohit.garg@eng.sun.com>
td-postman 1049/tcp Tobit David Postman VPMN
td-postman 1049/udp Tobit David Postman VPMN
# Franz-Josef Leuders <development@tobit.com>
cma 1050/tcp CORBA Management Agent
cma 1050/udp CORBA Management Agent
# Ramy Zaarour <ramy@lumos.com>
optima-vnet 1051/tcp Optima VNET
optima-vnet 1051/udp Optima VNET
# Ralf Doewich <ralf.doewich@optimizele.com>
ddt 1052/tcp Dynamic DNS Tools
ddt 1052/udp Dynamic DNS Tools
# Remi Lefebvre <remi@debian.org>
remote-as 1053/tcp Remote Assistant (RA)
remote-as 1053/udp Remote Assistant (RA)
# Roman Kriis <roman@previo.ee>
brvread 1054/tcp BRVREAD
brvread 1054/udp BRVREAD
# A. Boninn <aboninn@hotmail.com>
ansyslmd 1055/tcp ANSYS - License Manager
ansyslmd 1055/udp ANSYS - License Manager

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#		Suzanne Lorrin <suzanne.lorrin@ansys.com>
vfo	1056/tcp	VFO
vfo	1056/udp	VFO
#		Anthony Gonzalez <agonzall@telcordia.com>
startron	1057/tcp	STARTRON
startron	1057/udp	STARTRON
#		Markus Sabadello <sabadello@startron.org>
nim	1058/tcp	nim
nim	1058/udp	nim
nimreg	1059/tcp	nimreg
nimreg	1059/udp	nimreg
#		Robert Gordon <rbg@austin.ibm.com>
polestar	1060/tcp	POLESTAR
polestar	1060/udp	POLESTAR
#		Masakuni Okada <masakuni@jp.ibm.com>
kiosk	1061/tcp	KIOSK
kiosk	1061/udp	KIOSK
#		Ken Ksiazek <kksiazek@maytag.com>
veracity	1062/tcp	Veracity
veracity	1062/udp	Veracity
#		Ross Williams <ross@rocksoft.com>
kyoceranetdev	1063/tcp	KyoceraNetDev
kyoceranetdev	1063/udp	KyoceraNetDev
#		Shigenaka Kanemitsu
#		<Shigenaka_Kanemitsu@ypd.kyocera.co.jp>
jstel	1064/tcp	JSTEL
jstel	1064/udp	JSTEL
#		Duane Kiser <dkiser@jsexpress.com>
syscomlan	1065/tcp	SYSCOMLAN
syscomlan	1065/udp	SYSCOMLAN
#		Urs Ryf <urs.ryf@selectron.ch>
fpo-fns	1066/tcp	FPO-FNS
fpo-fns	1066/udp	FPO-FNS
#		Jens Klose <jklose@intercope.com>
instl_boots	1067/tcp	Installation Bootstrap Proto. Serv.
instl_boots	1067/udp	Installation Bootstrap Proto. Serv.
instl_bootc	1068/tcp	Installation Bootstrap Proto. Cli.
instl_bootc	1068/udp	Installation Bootstrap Proto. Cli.
#		David Arko <darker@hpfcfn.fc.hp.com>
cognex-insight	1069/tcp	COGNEX-INSIGHT
cognex-insight	1069/udp	COGNEX-INSIGHT
#		Steve Olson <solson@cognex.com>
gmrupdateserv	1070/tcp	GMRUpdateSERV
gmrupdateserv	1070/udp	GMRUpdateSERV
#		Steve Kellogg <stevekellogg@mezzogmr.com>
bsquare-voip	1071/tcp	BSQUARE-VOIP
bsquare-voip	1071/udp	BSQUARE-VOIP
#		Yen Lee <YenL@bsquare.com>
cardax	1072/tcp	CARDAX
cardax	1072/udp	CARDAX
#		Charles Oram <charleso@cardax.com>
bridgecontrol	1073/tcp	Bridge Control
bridgecontrol	1073/udp	Bridge Control
#		Andy Heron <btexact.ports@bt.com>
warmspotMgmt	1074/tcp	Warmspot Management Protocol
warmspotMgmt	1074/udp	Warmspot Management Protocol
#		Robert C. Henningsgard <rhenn_iana@laptwo.com>

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rdrmshc      1075/tcp    RDRMSHC
rdrmshc      1075/udp    RDRMSHC
#            Ericko Shimada <eriko@kel.fujitsu.co.jp>
dab-sti-c    1076/tcp    DAB STI-C
dab-sti-c    1076/udp    DAB STI-C
#            World DAB <worldddab_irc@worldddab.org>
imgames      1077/tcp    IMGames
imgames      1077/udp    IMGames
#            Jean A. Ames <enr-admin@flipside.com>
avocent-proxy 1078/tcp    Avocent Proxy Protocol
avocent-proxy 1078/udp    Avocent Proxy Protocol
#            Steven W. Clark <steven.clark@avocent.com>
asprovatalk  1079/tcp    ASPROVATalk
asprovatalk  1079/udp    ASPROVATalk
#            Chiew Farn Chung <cfchung@asprova.com>
socks        1080/tcp    Socks
socks        1080/udp    Socks
#            Ying-Da Lee <ylee@syl.dl.nec.com>
pvuniwien    1081/tcp    PVUNIWIEN
pvuniwien    1081/udp    PVUNIWIEN
#            Peter Lipp >Peter.Lipp@iaik.at>
amt-esd-prot 1082/tcp    AMT-ESD-PROT
amt-esd-prot 1082/udp    AMT-ESD-PROT
#            AMTEC S.p.A <sp.amtec@interbusiness.it>
ansoft-lm-1  1083/tcp    Anasoft License Manager
ansoft-lm-1  1083/udp    Anasoft License Manager
ansoft-lm-2  1084/tcp    Anasoft License Manager
ansoft-lm-2  1084/udp    Anasoft License Manager
webobjects   1085/tcp    Web Objects
webobjects   1085/udp    Web Objects
#            Andy Belk <abelk@apple.com>
cplscrambler-lg 1086/tcp    CPL Scrambler Logging
cplscrambler-lg 1086/udp    CPL Scrambler Logging
cplscrambler-in 1087/tcp    CPL Scrambler Internal
cplscrambler-in 1087/udp    CPL Scrambler Internal
cplscrambler-al 1088/tcp    CPL Scrambler Alarm Log
cplscrambler-al 1088/udp    CPL Scrambler Alarm Log
#            Richard Corn <rac@racc.com>
ff-annunc    1089/tcp    FF Annunciation
ff-annunc    1089/udp    FF Annunciation
ff-fms       1090/tcp    FF Fieldbus Message Specification
ff-fms       1090/udp    FF Fieldbus Message Specification
ff-sm        1091/tcp    FF System Management
ff-sm        1091/udp    FF System Management
#            Fieldbus Foundation <dave.glanzer@fieldbus.org>
obrpdp       1092/tcp    Open Business Reporting Protocol
obrpdp       1092/udp    Open Business Reporting Protocol
#            William Randolph Royere III
#            <william@royere.net>
proofd       1093/tcp    PROOFD
proofd       1093/udp    PROOFD
rootd        1094/tcp    ROOTD
rootd        1094/udp    ROOTD
#            Fons Rademakers <Fons.Rademakers@cern.ch>
nicelink     1095/tcp    NICELink
nicelink     1095/udp    NICELink
#            Jordi Lisbona <jlisbona@tango04.net>

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cnrprotocol	1096/tcp	Common Name Resolution Protocol
cnrprotocol	1096/udp	Common Name Resolution Protocol
#		Michael Mealling <michaelm@netsol.com>
sunclustermgr	1097/tcp	Sun Cluster Manager
sunclustermgr	1097/udp	Sun Cluster Manager
#		Ashit Patel <Ashit.Patel@eng.Sun.COM>
rmiactivation	1098/tcp	RMI Activation
rmiactivation	1098/udp	RMI Activation
rmiregistry	1099/tcp	RMI Registry
rmiregistry	1099/udp	RMI Registry
#		Mark Hodapp <mark.hodapp@sun.com>
mctp	1100/tcp	MCTP
mctp	1100/udp	MCTP
#		Vitaly Revsin <vitaly@webmanage.com>
pt2-discover	1101/tcp	PT2-DISCOVER
pt2-discover	1101/udp	PT2-DISCOVER
#		Ralph Kammerlander
#		<ralph.kammerlander@khe.siemens.de>
adobeserver-1	1102/tcp	ADOBE SERVER 1
adobeserver-1	1102/udp	ADOBE SERVER 1
adobeserver-2	1103/tcp	ADOBE SERVER 2
adobeserver-2	1103/udp	ADOBE SERVER 2
#		Frank Soetebeer <frsoeteb@adobe.com>
xrl	1104/tcp	XRL
xrl	1104/udp	XRL
#		Patrick Robinson <probinson@plosive.com>
ftranhc	1105/tcp	FTRANHC
ftranhc	1105/udp	FTRANHC
#		Eriko Shimada <eriko@kel.fujitsu.co.jp>
isoipsigport-1	1106/tcp	ISOIPSIGPORT-1
isoipsigport-1	1106/udp	ISOIPSIGPORT-1
isoipsigport-2	1107/tcp	ISOIPSIGPORT-2
isoipsigport-2	1107/udp	ISOIPSIGPORT-2
#		Peter Egli <peter.egli@inalp.com>
ratio-adp	1108/tcp	ratio-adp
ratio-adp	1108/udp	ratio-adp
#		Oliver Thulke <oth@ratio.de>
#	1109	Reserved - IANA
webadmstart	1110/tcp	Start web admin server
nfsd-keepalive	1110/udp	Client status info
#		Beth Crespo <beth.crespo@hp.com>
lmsocialserver	1111/tcp	LM Social Server
lmsocialserver	1111/udp	LM Social Server
#		Ron Lussier <coyote@likeminds.com>
icp	1112/tcp	Intelligent Communication Protocol
icp	1112/udp	Intelligent Communication Protocol
#		Mark H. David <mhd@gensym.com>
ltp-deepspace	1113/tcp	Lickliger Transmission Pr
ltp-deepspace	1113/udp	Lickliger Transmission Pr
#		Manikantan Ramadas <mramadas@irg.cs.ohiou.edu>
September 2005		
mini-sql	1114/tcp	Mini SQL
mini-sql	1114/udp	Mini SQL
#		David Hughes <bambi@Hughes.com.au>
ardus-trns	1115/tcp	ARDUS Transfer
ardus-trns	1115/udp	ARDUS Transfer
ardus-cntl	1116/tcp	ARDUS Control

ardus-cntl	1116/udp	ARDUS Control
ardus-mtrns	1117/tcp	ARDUS Multicast Transfer
ardus-mtrns	1117/udp	ARDUS Multicast Transfer
#		Shinya Abe <abeabe@pfu.co.jp>
sacred	1118/tcp	SACRED
sacred	1118/udp	SACRED
#		RFC3767
bnetgame	1119/tcp	Battle.net Chat/Game Protocol
bnetgame	1119/udp	Battle.net Chat/Game Protocol
bnetfile	1120/tcp	Battle.net File Transfer Protocol
bnetfile	1120/udp	Battle.net File Transfer Protocol
#		Domain Tech <Domainnametech@blizzard.com> April 2005
rmpp	1121/tcp	Datalode RMPP
rmpp	1121/udp	Datalode RMPP
#		Dave Ruedger <daver@datalode.com> November 2003
availant-mgr	1122/tcp	availant-mgr
availant-mgr	1122/udp	availant-mgr
#		Steven Pelletier <stevep@Availant.com>
murray	1123/tcp	Murray
murray	1123/udp	Murray
#		Stu Mark <fordii@j51.com>
hpvmmcontrol	1124/tcp	HP VMM Control
hpvmmcontrol	1124/udp	HP VMM Control
hpvmmagent	1125/tcp	HP VMM Agent
hpvmmagent	1125/udp	HP VMM Agent
hpvmmdata	1126/tcp	HP VMM Agent
hpvmmdata	1126/udp	HP VMM Agent
#		John Morton <j.morton@hp.com> November 2004
kwdb-commn	1127/tcp	KWDB Remote Communication
kwdb-commn	1127/udp	KWDB Remote Communication
#		Lal Samuel Varghese <lalsam@hp.com> August 2005
saphostctrl	1128/tcp	SAPHostControl over SOAP/HTTP
saphostctrl	1128/udp	SAPHostControl over SOAP/HTTP
saphostctrls	1129/tcp	SAPHostControl over SOAP/HTTPS
saphostctrls	1129/udp	SAPHostControl over SOAP/HTTPS
#		Muscarella Fabrizio <fabrizio.muscarella@sap.com> April 2006
casp	1130/tcp	CAC App Service Protocol
casp	1130/udp	CAC App Service Protocol
caspsl	1131/tcp	CAC App Service Protocol Encrypted
caspsl	1131/udp	CAC App Service Protocol Encrypted
#		Enrique Corujo <enrique@caclearing.com> February 2006
kvm-via-ip	1132/tcp	KVM-via-IP Management Service
kvm-via-ip	1132/udp	KVM-via-IP Management Service
#		Ian Miller <IANA-reg@adder.com> March 2006
dfn	1133/tcp	Data Flow Network
dfn	1133/udp	Data Flow Network
#		Dmitry Obuvalin <pulse.cc@mail.ru> February 2006
aplX	1134/tcp	MicroAPL APLX
aplX	1134/udp	MicroAPL APLX
#		Richard Nabavi <nabavi@microapl.co.uk> February 2006
omnivision	1135/tcp	OmniVision Communication Service
omnivision	1135/udp	OmniVision Communication Service
#		Serge Vacquier <vacquier@systar.fr> February 2006
hhb-gateway	1136/tcp	HHB Gateway Control
hhb-gateway	1136/udp	HHB Gateway Control
#		Richard Harwell <richardcharwell@eaton.com> February 2006

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trim      1137/tcp    TRIM Workgroup Service
trim      1137/udp    TRIM Workgroup Service
#          Siva Poobalasingam <siva@towersoft.com.au> March 2006
encrypted_admin 1138/tcp    encrypted admin requests
encrypted_admin 1138/udp    encrypted admin requests
#          Michael Elizarov <Michael.Elizarov@microsoft.com> January
2007
#          1139      Unassigned
autonoc   1140/tcp    AutoNOC Network Operations Protocol
autonoc   1140/udp    AutoNOC Network Operations Protocol
#          Kyle Lussier <klussier@autonoc.com> December 2005
mxomss    1141/tcp    User Message Service
mxomss    1141/udp    User Message Service
#          Chaoyi Lang <chao-yi_lang@maxtor.com> January 2006
edtools   1142/tcp    User Discovery Service
edtools   1142/udp    User Discovery Service
#          Dolson, Lee <dolson@f-net.co.kr> January 2006
imyx      1143/tcp    Infomatrix Exchange
imyx      1143/udp    Infomatrix Exchange
#          David Walling <sylvanhollow@yahoo.com> March 2006
fuscript  1144/tcp    Fusion Script
fuscript  1144/udp    Fusion Script
#          Peter Loveday <peter@eyeonline.com> January 2006
x9-icue   1145/tcp    X9 iCue Show Control
x9-icue   1145/udp    X9 iCue Show Control
#          Brandon Potter <iana@brandonpotter.com> January 2006
audit-transfer 1146/tcp    audit transfer
audit-transfer 1146/udp    audit transfer
#          Mark Wahl <mark.wahl@informed-control.com> November
2005
capiroverlan 1147/tcp    CAPIoverLAN
capiroverlan 1147/udp    CAPIoverLAN
#          Diego Friedel <d.friedel@avm.de> November 2005
elfiq-repl  1148/tcp    Elfiq Replication Service
elfiq-repl  1148/udp    Elfiq Replication Service
#          Frederick Parent <fparent@elfiq.com> November 2005
bvtsonar    1149/tcp    BVT Sonar Service
bvtsonar    1149/udp    BVT Sonar Service
#          Justin Huff <justin.huff@blueviewtech.com> November
2005
blaze       1150/tcp    Blaze File Server
blaze       1150/udp    Blaze File Server
#          Curt Schimmel <curt@small-tree.com> November 2005
unizensus  1151/tcp    Unizensus Login Server
unizensus  1151/udp    Unizensus Login Server
#          Dirk Materlik <materlik@blubbsoft.de> November 2005
winpoplanmess 1152/tcp    Winpopup LAN Messenger
winpoplanmess 1152/udp    Winpopup LAN Messenger
#          Vitali Fomine <info@winpopup-lan-messenger.com>
November 2005
c1222-acse  1153/tcp    ANSI C12.22 Port
c1222-acse  1153/udp    ANSI C12.22 Port
#          Avygdor Moise <avy@fdos.ca> November 2005
resacomunity 1154/tcp    Community Service
resacomunity 1154/udp    Community Service
#          StÉphane MONS <stephane.mons@free.fr> September 2005
nfa         1155/tcp    Network File Access

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nfa	1155/udp	Network File Access
#		James Powell <james@mailhost.unidata.com>
iascontrol-oms	1156/tcp	iasControl OMS
iascontrol-oms	1156/udp	iasControl OMS
#		Todd Guay <todd.guay@oracle.com> November 2004
iascontrol	1157/tcp	Oracle iASControl
iascontrol	1157/udp	Oracle iASControl
#		Todd Guay <todd.guay@oracle.com> November 2004
dbcontrol-oms	1158/tcp	dbControl OMS
dbcontrol-oms	1158/udp	dbControl OMS
#		Todd Guay <todd.guay@oracle.com> November 2004
oracle-oms	1159/tcp	Oracle OMS
oracle-oms	1159/udp	Oracle OMS
#		Todd Guay <todd.guay@oracle.com> November 2004
olsv	1160/tcp	DB Lite Mult-User Server
olsv	1160/udp	DB Lite Mult-User Server
#		Philip Stephenson <Philip.stephenson@oracle.com>
August 2005		
health-polling	1161/tcp	Health Polling
health-polling	1161/udp	Health Polling
health-trap	1162/tcp	Health Trap
health-trap	1162/udp	Health Trap
sddp	1163/tcp	SmartDialer Data Protocol
sddp	1163/udp	SmartDialer Data Protocol
#		Lee Griffiths <lg@dataconnection.com> November 2004
qsm-proxy	1164/tcp	QSM Proxy Service
qsm-proxy	1164/udp	QSM Proxy Service
#		Norm Lunde <norm@commvault.com> November 2004
qsm-gui	1165/tcp	QSM GUI Service
qsm-gui	1165/udp	QSM GUI Service
#		Norm Lunde <norm@commvault.com> November 2004
qsm-remote	1166/tcp	QSM RemoteExec
qsm-remote	1166/udp	QSM RemoteExec
#		Norm Lunde <norm@commvault.com> November 2004
cisco-ipsla	1167/tcp	Cisco IP SLAs Control Protocol
cisco-ipsla	1167/udp	Cisco IP SLAs Control Protocol
cisco-ipsla	1167/sctp	Cisco IP SLAs Control Protocol
#		Emmanuel Tychon <etychon@cisco.com> March 2006
vchat	1168/tcp	VChat Conference Service
vchat	1168/udp	VChat Conference Service
#		Andreas Wetzel <mickey@enforcer.cc> September 2002
tripwire	1169/tcp	TRIPWIRE
tripwire	1169/udp	TRIPWIRE
#		Ed Metcalf <emetcalf@tripwiresecurity.com>
#		Albert Holt <alberth@triosoftware.com>
atc-lm	1170/tcp	AT+C License Manager
atc-lm	1170/udp	AT+C License Manager
#		Peter Schaefer <p.schaefer@nospam.atc-systeme.de>
February 2004		
atc-appserver	1171/tcp	AT+C FmiApplicationServer
atc-appserver	1171/udp	AT+C FmiApplicationServer
#		Peter Schaefer <p.schaefer@nospam.atc-systeme.de>
February 2004		
dnap	1172/tcp	DNA Protocol
dnap	1172/udp	DNA Protocol
#		David McLaughlin <davidmclaughlin@accessdata.com>
November 2004		

d-cinema-rrp	1173/tcp	D-Cinema Request-Response
d-cinema-rrp	1173/udp	D-Cinema Request-Response
#		Robert Baldwin <baldwin@plusfive.com> November 2004
fnet-remote-ui	1174/tcp	FlashNet Remote Admin
fnet-remote-ui	1174/udp	FlashNet Remote Admin
#		Terry Smyth <terry@sgluk.com> November 2004
dossier	1175/tcp	Dossier Server
dossier	1175/udp	Dossier Server
#		Rob Minerick <rob@vortimac.com> November 2004
indigo-server	1176/tcp	Indigo Home Server
indigo-server	1176/udp	Indigo Home Server
#		Matt Bendiksen <matt@perceptiveautomation.com>
November 2004		
dkmessenger	1177/tcp	DKMessenger Protocol
dkmessenger	1177/udp	DKMessenger Protocol
#		Douglas Kadlecek <doug@dkware.com> November 2004
sgi-storman	1178/tcp	SGI Storage Manager
sgi-storman	1178/udp	SGI Storage Manager
#		Greg Banks <gnb@sgi.com> November 2004
b2n	1179/tcp	Backup To Neighbor
b2n	1179/udp	Backup To Neighbor
#		Thomas Fok <thomas@melody-soft.com> November 2004
mc-client	1180/tcp	Millicent Client Proxy
mc-client	1180/udp	Millicent Client Proxy
#		Steve Glassman <steveg@pa.dec.com>
3comnetman	1181/tcp	3Com Net Management
3comnetman	1181/udp	3Com Net Management
#		Peter White <peter_white@3com.com> November 2004
accelenet	1182/tcp	AcceleNet Control
accelenet	1182/udp	AcceleNet Control
#		Peter Lepaska <plepaska@ictompress.com> November
2004		
llsurfup-http	1183/tcp	LL Surfup HTTP
llsurfup-http	1183/udp	LL Surfup HTTP
llsurfup-https	1184/tcp	LL Surfup HTTPS
llsurfup-https	1184/udp	LL Surfup HTTPS
#		Katy Lynn McCullough <KatyM@LapLink.com>
catchpole	1185/tcp	Catchpole port
catchpole	1185/udp	Catchpole port
#		Christian Catchpole <christian@catchpole.net> March
2002		
mysql-cluster	1186/tcp	MySQL Cluster Manager
mysql-cluster	1186/udp	MySQL Cluster Manager
#		Arjen Lentz <arjen@mysql.com> November 2004
alias	1187/tcp	Alias Service
alias	1187/udp	Alias Service
#		Paul Tokarchuk <ptokarch@alias.com> November 2004
hp-webadmin	1188/tcp	HP Web Admin
hp-webadmin	1188/udp	HP Web Admin
#		Lance Kind <lance_kind@hp.com>
unet	1189/tcp	Unet Connection
unet	1189/udp	Unet Connection
#		Anthony Stahler <imunfair@yahoo.com> November 2004
commlinx-avl	1190/tcp	CommLinx GPS / AVL System
commlinx-avl	1190/udp	CommLinx GPS / AVL System
#		Peter Johnson <peter@commlinx.com.au> November 2004
gpfs	1191/tcp	General Parallel File System

gpfs	1191/udp	General Parallel File System
#		Dave Craft <gpfs@ibm.com> November 2004
caids-sensor	1192/tcp	caids sensors channel
caids-sensor	1192/udp	caids sensors channel
#		Gregory Hostettler <ghostettler@caracal.ch> November
2004		
fiveacross	1193/tcp	Five Across Server
fiveacross	1193/udp	Five Across Server
#		Glenn Reid <port-reg@fiveacross.com> November 2004
openvpn	1194/tcp	OpenVPN
openvpn	1194/udp	OpenVPN
#		James Yonan <jim@yonan.net> November 2004
rsf-1	1195/tcp	RSF-1 clustering
rsf-1	1195/udp	RSF-1 clustering
#		Dave Hines <d.hines@high-availability.com> November
2004		
netmagic	1196/tcp	Network Magic
netmagic	1196/udp	Network Magic
#		Nick Holt <nickh@purenetworks.com> August 2005
carrius-rshell	1197/tcp	Carrius Remote Access
carrius-rshell	1197/udp	Carrius Remote Access
#		Gerry Dubois <gdubois@carriustech.com> August 2005
cajo-discovery	1198/tcp	cajo reference discovery
cajo-discovery	1198/udp	cajo reference discovery
#		John Catherino <cajo@dev.java.net> August 2005
dmidi	1199/tcp	DMIDI
dmidi	1199/udp	DMIDI
#		Phil Kerr <phil@plus24.com> February 2002
scol	1200/tcp	SCOL
scol	1200/udp	SCOL
#		Cryo-Networks <p.favre@cryo-networks.fr>
nucleus-sand	1201/tcp	Nucleus Sand Database Server
nucleus-sand	1201/udp	Nucleus Sand Database Server
#		James Marsh <James_T_Marsh@hotmail.com>
caiccipc	1202/tcp	caiccipc
caiccipc	1202/udp	caiccipc
#		Vince Re <Vincent.Re@cai.com>
ssslic-mgr	1203/tcp	License Validation
ssslic-mgr	1203/udp	License Validation
ssslog-mgr	1204/tcp	Log Request Listener
ssslog-mgr	1204/udp	Log Request Listener
#		Eric Bruno <ebruno@solution-soft.com>
accord-mgc	1205/tcp	Accord-MGC
accord-mgc	1205/udp	Accord-MGC
#		Roni Even <roni_e@accord.co.il>
anthony-data	1206/tcp	Anthony Data
anthony-data	1206/udp	Anthony Data
#		Paul Dollemore <pauld@anthonydata.com>
metasage	1207/tcp	MetaSage
metasage	1207/udp	MetaSage
#		Peter Anvelt <panvelt@xnai.com>
seagull-ais	1208/tcp	SEAGULL AIS
seagull-ais	1208/udp	SEAGULL AIS
#		Lee Breisacher <lbreisacher@seagullsw.com>
ipcd3	1209/tcp	IPCD3
ipcd3	1209/udp	IPCD3
#		Mark Ciskey <mlciskey@plato.com>

eoss	1210/tcp	EOSS
eoss	1210/udp	EOSS
#		Robert Armes <rarmes@axarte.com>
groove-dpp	1211/tcp	Groove DPP
groove-dpp	1211/udp	Groove DPP
#		Ken Moore <kmoore@groove.net>
lupa	1212/tcp	lupa
lupa	1212/udp	lupa
#		Barney Wolff <barney@databus.com>
mpc-lifenet	1213/tcp	MPC LIFENET
mpc-lifenet	1213/udp	MPC LIFENET
#		Ward Silver <hwardsil@wolfenet.com>
kazaa	1214/tcp	KAZAA
kazaa	1214/udp	KAZAA
#		Ahti Heinla <ahti@ahti.blumoon.ee>
scanstat-1	1215/tcp	scanSTAT 1.0
scanstat-1	1215/udp	scanSTAT 1.0
#		William Scheduling <wls@wls.org>
etebac5	1216/tcp	ETEBAC 5
etebac5	1216/udp	ETEBAC 5
#		Jean-Louis Barbut <etebac5@gsit.fr>
hpss-ndapi	1217/tcp	HPSS NonDCE Gateway
hpss-ndapi	1217/udp	HPSS NonDCE Gateway
#		Michael Gleicher <mgleicher@comcast.net>
aeroflight-ads	1218/tcp	AeroFlight-ADs
aeroflight-ads	1218/udp	AeroFlight-ADs
aeroflight-ret	1219/tcp	AeroFlight-Ret
aeroflight-ret	1219/udp	AeroFlight-Ret
#		Eric Johnson <eric@gruver.net>
qt-serveradmin	1220/tcp	QT SERVER ADMIN
qt-serveradmin	1220/udp	QT SERVER ADMIN
#		Chris LeCroy <lecroy@apple.com>
sweetware-apps	1221/tcp	SweetWARE Apps
sweetware-apps	1221/udp	SweetWARE Apps
#		David Dunetz <david@sweetware.com>
nerv	1222/tcp	SNI R&D network
nerv	1222/udp	SNI R&D network
#		Martin Freiss <freiss.pad@sni.de>
tgp	1223/tcp	TGP
tgp	1223/udp	TGP
#		Gur Kimchi <gur@mail.trulyglobal.com>
vpnz	1224/tcp	VPNz
vpnz	1224/udp	VPNz
#		Tom Strack <TSTRACK@Advnw.com>
slinkysearch	1225/tcp	SLINKYSEARCH
slinkysearch	1225/udp	SLINKYSEARCH
#		Desmond Chan <deschan@prismedia.com>
stgxfws	1226/tcp	STGXFWS
stgxfws	1226/udp	STGXFWS
#		Tetsuya Shioda <tetsuya@saint.nm.fujitsu.co.jp>
dns2go	1227/tcp	DNS2Go
dns2go	1227/udp	DNS2Go
#		Mike Courterier <mikec@deerfield.com>
florence	1228/tcp	FLORENCE
florence	1228/udp	FLORENCE
#		Brian Trammell <btrammell@iventurelab.com>
zented	1229/tcp	ZENworks Tiered Electronic Distribution

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zented          1229/udp    ZENworks Tiered Electronic Distribution
#              Ty Ellis <tellis@novell.com>
periscope       1230/tcp    Periscope
periscope       1230/udp    Periscope
#              Kevin Madden <Kevin@emailxtras.com>
menandmice-lpm 1231/tcp    menandmice-lpm
menandmice-lpm 1231/udp    menandmice-lpm
#              Sigfus Magnusson <sigfusm@menandmice.com>
##### Microsoft (unofficially) using 1232 #####
univ-appserver 1233/tcp    Universal App Server
univ-appserver 1233/udp    Universal App Server
#              Tim Sent <tim.sent@systemsarchitects.com>
search-agent    1234/tcp    Infoseek Search Agent
search-agent    1234/udp    Infoseek Search Agent
#              Jackie Wu <jackiew@infoseek.com>
mosaicssvcl     1235/tcp    mosaicssvcl
mosaicssvcl     1235/udp    mosaicssvcl
#              Brian Matthews <bmatthews@mosaicssystems.com>
bvcontrol       1236/tcp    bvcontrol
bvcontrol       1236/udp    bvcontrol
#              Daniel J Walsh <dwalsh@bindview.com>
tsdos390        1237/tcp    tsdos390
tsdos390        1237/udp    tsdos390
#              Ben Pracht <ben.pracht@tivoli.com>
hacl-qs         1238/tcp    hacl-qs
hacl-qs         1238/udp    hacl-qs
#              Farid Faez <farid_faez@hp.com>
nmsd            1239/tcp    NMSD
nmsd            1239/udp    NMSD
#              Yuri Machkasov <yuri@ptc.com>
instantia       1240/tcp    Instantia
instantia       1240/udp    Instantia
#              Ruth Slater <ruth.slater@ideagen.co.uk>
nessus          1241/tcp    nessus
nessus          1241/udp    nessus
#              Jordan Hrycaj <jordan@mjh.teddy-net.com>
nmasoverip     1242/tcp    NMAS over IP
nmasoverip     1242/udp    NMAS over IP
#              Hal Henderson <hhenders@novell.com>
serialgateway   1243/tcp    SerialGateway
serialgateway   1243/udp    SerialGateway
#              Stephen LaValley <lavalley@lucent.com>
isbconferencel 1244/tcp    isbconferencel
isbconferencel 1244/udp    isbconferencel
isbconference2 1245/tcp    isbconference2
isbconference2 1245/udp    isbconference2
#              Arnold Dittmann <dittmann@isbcad.de>
payrouter       1246/tcp    payrouter
payrouter       1246/udp    payrouter
#              David Wilson <dwilson@integral-ie.com>
visionpyramid   1247/tcp    VisionPyramid
visionpyramid   1247/udp    VisionPyramid
#              Gavin Hutchinson <gavinh@visionlogistics.com>
hermes          1248/tcp    hermes
hermes          1248/udp    hermes
#              Not known
mesavistaco     1249/tcp    Mesa Vista Co

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mesavistaco      1249/udp  Mesa Vista Co
#                Rick LaBanca <rel@mesasys.com>
swldy-sias 1250/tcp  swldy-sias
swldy-sias 1250/udp  swldy-sias
#                Peter E Williams <peter.williams@smallworld-us.com>
servergraph     1251/tcp  servergraph
servergraph     1251/udp  servergraph
#                Lindsay Morris <lmorris@servergraph.com>
bspne-pcc 1252/tcp  bspne-pcc
bspne-pcc     1252/udp  bspne-pcc
q55-pcc      1253/tcp  q55-pcc
q55-pcc      1253/udp  q55-pcc
#                Prem Tirilok <Prem.Tirilok@tellabs.com>
de-noc        1254/tcp  de-noc
de-noc        1254/udp  de-noc
de-cache-query 1255/tcp  de-cache-query
de-cache-query 1255/udp  de-cache-query
de-server     1256/tcp  de-server
de-server     1256/udp  de-server
#                Jeff Burdette <support@digitalenvoy.net>
shockwave2    1257/tcp  Shockwave 2
shockwave2 1257/udp  Shockwave 2
#                Dave Simmons <dsimmons@macromedia.com>
opennl        1258/tcp  Open Network Library
opennl        1258/udp  Open Network Library
opennl-voice  1259/tcp  Open Network Library Voice
opennl-voice  1259/udp  Open Network Library Voice
#                Phil Frisbie <phil@hawksoft.com>
ibm-ssd       1260/tcp  ibm-ssd
ibm-ssd       1260/udp  ibm-ssd
#                Barry Whyte <barry_whyte@uk.ibm.com>
mpshrsv       1261/tcp  mpshrsv
mpshrsv       1261/udp  mpshrsv
#                Makoto Ikeyama <ikeyama@ael.fujitsu.co.jp>
qnts-orb      1262/tcp  QNTS-ORB
qnts-orb      1262/udp  QNTS-ORB
#                Raghurama Bhat <raghu@quintus.com>
dka           1263/tcp  dka
dka           1263/udp  dka
#                Chris Griffin <cgriffin@dka.com>
prat          1264/tcp  PRAT
prat          1264/udp  PRAT
#                Keith Wood <keith.wood@epid.eurotherm.co.uk>
dssiapi       1265/tcp  DSSI-API
dssiapi       1265/udp  DSSI-API
#                Jim Turner <Jim.Turner@asg.com>
dellpwrappks  1266/tcp  DELLPWRAPPKS
dellpwrappks  1266/udp  DELLPWRAPPKS
#                David Troeger <David_Troeger@dell.com>
epc           1267/tcp  eTrust Policy Compliance
epc           1267/udp  eTrust Policy Compliance
#                Aaron Stein <aaron.stein@ca.com>
propel-msgsys 1268/tcp  PROPEL-MSGSYS
propel-msgsys 1268/udp  PROPEL-MSGSYS
#                Bert Van der Linden <bert@propel.com>
watilapp      1269/tcp  WATiLaPP
watilapp      1269/udp  WATiLaPP

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# Frederic Weymann <contact@fizzban.net>
opsmgr 1270/tcp Microsoft Operations Manager
opsmgr 1270/udp Microsoft Operations Manager
# Ashvin Sanghvi <AshvinS@microsoft.com>
excw 1271/tcp eXcW
excw 1271/udp eXcW
# Norm Freedman <normfree@san.rr.com>
cspmlockmgr 1272/tcp CSPMLockMgr
cspmlockmgr 1272/udp CSPMLockMgr
# Ibtsam Mahfouz <imahfouz@cisco.com>
emc-gateway 1273/tcp EMC-Gateway
emc-gateway 1273/udp EMC-Gateway
# Rene Fontaine <fontaine_rene@emc.com>
tldistproc 1274/tcp tldistproc
tldistproc 1274/udp tldistproc
# Julian Biddle <julian_biddle@TechnologyOneCorp.com>
ivcollector 1275/tcp ivcollector
ivcollector 1275/udp ivcollector
ivmanager 1276/tcp ivmanager
ivmanager 1276/udp ivmanager
# Xavier Roques <xroques@infovista.fr>
miva-mqs 1277/tcp mqs
miva-mqs 1277/udp mqs
# Miva Corporation <jwoods@miva.com.au>
dellwebadmin-1 1278/tcp Dell Web Admin 1
dellwebadmin-1 1278/udp Dell Web Admin 1
dellwebadmin-2 1279/tcp Dell Web Admin 2
dellwebadmin-2 1279/udp Dell Web Admin 2
# Bridget Navoda <Bridget_Navoda@dell.com>
pictrography 1280/tcp Pictrography
pictrography 1280/udp Pictrography
# Takashi Hoshino <hoshino@miya.fujifilm.co.jp>
healthd 1281/tcp healthd
healthd 1281/udp healthd
# James E. Housley <jim@thehousleys.net>
emperion 1282/tcp Emperion
emperion 1282/udp Emperion
# Claus Thor Barth <iana@barth.dk>
productinfo 1283/tcp ProductInfo
productinfo 1283/udp ProductInfo
iee-qfx 1284/tcp IEE-QFX
iee-qfx 1284/udp IEE-QFX
# Kevin D. Quitt <KQuitt@IEEInc.com>
neoiface 1285/tcp neoiface
neoiface 1285/udp neoiface
# Jason McManus <jasonm@neoinformatics.com>
netuitive 1286/tcp netuitive
netuitive 1286/udp netuitive
# JF Huard <jfhuard@netuitive.com>
routematch 1287/tcp RouteMatch Com
routematch 1287/udp RouteMatch Com
# Jeff Jones <Jeff.Jones@routematch.com> November 2005
navbuddy 1288/tcp NavBuddy
navbuddy 1288/udp NavBuddy
# Eric Hackman <ehackman@millapps.com>
jwalkserver 1289/tcp JWalkServer
jwalkserver 1289/udp JWalkServer

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winjaserver	1290/tcp	WinJaServer
winjaserver	1290/udp	WinJaServer
seagulllms	1291/tcp	SEAGULLLMS
seagulllms	1291/udp	SEAGULLLMS
#		Lee Breisacher <lbreisacher@seagullsw.com>
dsdn	1292/tcp	dsdn
dsdn	1292/udp	dsdn
#		Stanislaw Skowronek <thesis@elementary.pl>
pkt-krb-ipsec	1293/tcp	PKT-KRB-IPSec
pkt-krb-ipsec	1293/udp	PKT-KRB-IPSec
#		Nancy Davoust <n.davoust@cablelabs.com>
cmmdriver	1294/tcp	CMMdriver
cmmdriver	1294/udp	CMMdriver
#		Lutz Karras <karras@zeiss.de>
ehtp	1295/tcp	End-by-Hop Transmission Protocol
ehtp	1295/udp	End-by-Hop Transmission Protocol
#		Alexander Bogdanov <alexandr_bgd@softhome.net>
dproxy	1296/tcp	dproxy
dproxy	1296/udp	dproxy
sdproxy	1297/tcp	sdproxy
sdproxy	1297/udp	sdproxy
#		Raimond Diederik <rdiederik@descartes.com>
lpcp	1298/tcp	lpcp
lpcp	1298/udp	lpcp
#		Christian Stredicke <stredicke@snom.de>
hp-sci	1299/tcp	hp-sci
hp-sci	1299/udp	hp-sci
#		Kim Scott <kims@cup.hp.com>
h323hostcallsc	1300/tcp	H323 Host Call Secure
h323hostcallsc	1300/udp	H323 Host Call Secure
#		Jim Toga <jtoga@ideal.jf.intel.com>
ci3-software-1	1301/tcp	CI3-Software-1
ci3-software-1	1301/udp	CI3-Software-1
ci3-software-2	1302/tcp	CI3-Software-2
ci3-software-2	1302/udp	CI3-Software-2
#		Kelli Watson <kwatson@ci3software.com>
sftsrv	1303/tcp	sftsrv
sftsrv	1303/udp	sftsrv
#		Robert Frazier <BobF@mrp3.com>
boomerang	1304/tcp	Boomerang
boomerang	1304/udp	Boomerang
#		Bruce Lueckenhoff <brucelu@cisco.com>
pe-mike	1305/tcp	pe-mike
pe-mike	1305/udp	pe-mike
#		Stephen Hemminger <shemminger@passedge.com>
re-conn-proto	1306/tcp	RE-Conn-Proto
re-conn-proto	1306/udp	RE-Conn-Proto
#		Sandeep Singhal <sandeep@reefedge.com>
pacmand	1307/tcp	Pacmand
pacmand	1307/udp	Pacmand
#		Edward T. O'Shea <oshea@bellsouth.net>
odsi	1308/tcp	Optical Domain Service Interconnect (ODSI)
odsi	1308/udp	Optical Domain Service Interconnect (ODSI)
#		K. Arvind <arvind@tenornetworks.com>
jtag-server	1309/tcp	JTAG server
jtag-server	1309/udp	JTAG server
#		Andrew Draper <adraper@altera.com>

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husky          1310/tcp    Husky
husky          1310/udp    Husky
#              Mark Zang <mark@zang.com>
rxmon         1311/tcp    RxMon
rxmon         1311/udp    RxMon
#              Javier Jiminez <javier_l_jimenez@dell.com>
sti-envision  1312/tcp    STI Envision
sti-envision  1312/udp    STI Envision
#              Don Stedman <dones@stisystems.com>
bmc_patrolldb 1313/tcp    BMC_PATROLDB
bmc_patrolldb 1313/udp    BMC_PATROLDB
#              Portnoy Boxman <portnoy_boxman@bmc.com>
pdps         1314/tcp    Photoscript Distributed Printing System
pdps         1314/udp    Photoscript Distributed Printing System
#              Les Klein <sgy@cix.compulink.co.uk>
els          1315/tcp    E.L.S., Event Listener Service
els          1315/udp    E.L.S., Event Listener Service
#              Jim Cleppe <clepl3@hotmail.com>
exbit-escp   1316/tcp    Exbit-ESCP
exbit-escp   1316/udp    Exbit-ESCP
#              Morten Christensen <mjc@exbit.dk>
vrts-ipcserver 1317/tcp    vrts-ipcserver
vrts-ipcserver 1317/udp    vrts-ipcserver
#              Bruce Hestand <Bruce.Hestand@veritas.com>
krb5gatekeeper 1318/tcp    krb5gatekeeper
krb5gatekeeper 1318/udp    krb5gatekeeper
#              Patrick Moore <pcmoore@sandia.gov>
panja-icsp   1319/tcp    Panja-ICSP
panja-icsp   1319/udp    Panja-ICSP
#              Ron Barber <ron.barber@panja.com>
panja-axbnet 1320/tcp    Panja-AXBNET
panja-axbnet 1320/udp    Panja-AXBNET
#              Andrew van Wensen <avanwensen@panja.com>
pip          1321/tcp    PIP
pip          1321/udp    PIP
#              Gordon Mohr <gojomo@usa.net>
novation     1322/tcp    Novation
novation     1322/udp    Novation
#              Alan Dano <wiseobject@yahoo.com>
brcd        1323/tcp    brcd
brcd        1323/udp    brcd
#              Todd Picquelle <todd@picquelle.com>
delta-mcp    1324/tcp    delta-mcp
delta-mcp    1324/udp    delta-mcp
#              Quinton Tormanen <quinton@deltacompsys.com>
dx-instrument 1325/tcp    DX-Instrument
dx-instrument 1325/udp    DX-Instrument
#              Walt Modic <Walt.Modic@dionex.com>
wimsic      1326/tcp    WIMSIC
wimsic      1326/udp    WIMSIC
#              James Brown <ender@admdev.com>
ultrex      1327/tcp    Ultrex
ultrex      1327/udp    Ultrex
#              Tim Walsh <tim@ultrex.com>
ewall       1328/tcp    EWALL
ewall       1328/udp    EWALL
#              Jeff Busma <busma@echogent.com>

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netdb-export      1329/tcp    netdb-export
netdb-export      1329/udp    netdb-export
#                Konstantinos Kostis <netdb@kostis.net>
streetperfect     1330/tcp    StreetPerfect
streetperfect     1330/udp    StreetPerfect
#                Michael R. Young <michael.young@tor.sunpub.com>
intersan          1331/tcp    intersan
intersan          1331/udp    intersan
#                Barry H. Feild <barry@intersan.net>
pcia-rxp-b        1332/tcp    PCIA RXP-B
pcia-rxp-b        1332/udp    PCIA RXP-B
#                James Dabbs <jdabbs@tga.com>
passwd-policy     1333/tcp    Password Policy
passwd-policy     1333/udp    Password Policy
#                Tonio Pirotta <tonio@tpis.com.au>
writesrv          1334/tcp    writesrv
writesrv          1334/udp    writesrv
#                Marvin Toungate <toungate@austin.ibm.com>
digital-notary    1335/tcp    Digital Notary Protocol
digital-notary    1335/udp    Digital Notary Protocol
#                Wes Doonan
ischat            1336/tcp    Instant Service Chat
ischat            1336/udp    Instant Service Chat
#                Mike Clise <mikec@instant-service.com>
menandmice-dns   1337/tcp    menandmice DNS
menandmice-dns   1337/udp    menandmice DNS
#                Sigfus Magnusson <sigfusm@menandmice.com>
wmc-log-svc      1338/tcp    WMC-log-svr
wmc-log-svc      1338/udp    WMC-log-svr
#                Scott Anderson <sanderso@workingmachines.com>
kjtsiteserver    1339/tcp    kjtsiteserver
kjtsiteserver    1339/udp    kjtsiteserver
#                Jason Aubain <jaubain@kjt.com>
naap              1340/tcp    NAAP
naap              1340/udp    NAAP
#                Henry Haverinen <henry.haverinen@nokia.com>
qubes            1341/tcp    QuBES
qubes            1341/udp    QuBES
#                Eric Grange <egrange@creative-it.net>
esbroker         1342/tcp    ESBroker
esbroker         1342/udp    ESBroker
#                Alexander Medvinsky <smedvinsky@gi.com>
rel101           1343/tcp    rel101
rel101           1343/udp    rel101
#                Dorian Blengino
<tecnico_remove_@_remove_xonelectronics.it>
icap             1344/tcp    ICAP
icap             1344/udp    ICAP
#                Jeremy Elson <jelson@isi.edu>
vpjp             1345/tcp    VPJP
vpjp             1345/udp    VPJP
#                Michael Collins <UBMCollins@aol.com>
alta-ana-lm      1346/tcp    Alta Analytics License Manager
alta-ana-lm      1346/udp    Alta Analytics License Manager
bbn-mmc          1347/tcp    multi media conferencing
bbn-mmc          1347/udp    multi media conferencing
bbn-mmx          1348/tcp    multi media conferencing

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bbn-mmx	1348/udp	multi media conferencing
sbook	1349/tcp	Registration Network Protocol
sbook	1349/udp	Registration Network Protocol
editbench	1350/tcp	Registration Network Protocol
editbench	1350/udp	Registration Network Protocol
#		Simson L. Garfinkel <simsong@next.cambridge.ma.us>
equationbuilder	1351/tcp	Digital Tool Works (MIT)
equationbuilder	1351/udp	Digital Tool Works (MIT)
#		Terrence J. Talbot <lexcube!tjt@bu.edu>
lotusnote	1352/tcp	Lotus Note
lotusnote	1352/udp	Lotus Note
#		Greg Pflaum <iris.com!Greg_Pflaum@uunet.uu.net>
(July 1992)		
relief	1353/tcp	Relief Consulting
relief	1353/udp	Relief Consulting
#		John Feiler <relief!jjfeiler@uu2.psi.com>
XSIP-network	1354/tcp	Five Across XSIP Network
XSIP-network	1354/udp	Five Across XSIP Network
#		Glenn Reid <port-reg@fiveacross.com>
intuitive-edge	1355/tcp	Intuitive Edge
intuitive-edge	1355/udp	Intuitive Edge
#		Montgomery Zukowski
#		<monty@nextnorth.acs.ohio-state.edu>
cuillamartin	1356/tcp	CuillaMartin Company
cuillamartin	1356/udp	CuillaMartin Company
pegboard	1357/tcp	Electronic PegBoard
pegboard	1357/udp	Electronic PegBoard
#		Chris Cuilla
#		<balr!vpnet!cuilla!chris@clout.chi.il.us>
connlcli	1358/tcp	CONNLCI
connlcli	1358/udp	CONNLCI
ftsrv	1359/tcp	FTSRV
ftsrv	1359/udp	FTSRV
#		Ines Homem de Melo <sidinf@brfapesp.bitnet>
mimer	1360/tcp	MIMER
mimer	1360/udp	MIMER
#		Per Schroeder <Per.Schroeder@mimer.se>
linx	1361/tcp	LinX
linx	1361/udp	LinX
#		Steffen Schilke <---none--->
timeflies	1362/tcp	TimeFlies
timeflies	1362/udp	TimeFlies
#		Doug Kent <mouthers@slugg@nwnexus.wa.com>
ndm-requester	1363/tcp	Network DataMover Requester
ndm-requester	1363/udp	Network DataMover Requester
ndm-server	1364/tcp	Network DataMover Server
ndm-server	1364/udp	Network DataMover Server
#		Toshio Watanabe
#		<watanabe@godzilla.rsc.spdd.ricoh.co.j>
adapt-sna	1365/tcp	Network Software Associates
adapt-sna	1365/udp	Network Software Associates
#		Jeffery Chiao <714-768-401>
netware-csp	1366/tcp	Novell NetWare Comm Service Platform
netware-csp	1366/udp	Novell NetWare Comm Service Platform
#		Laurie Lindsey <llindsey@novell.com>
dcs	1367/tcp	DCS
dcs	1367/udp	DCS

```

# Stefan Siebert <ssiebert@dcs.de>
screencast 1368/tcp ScreenCast
screencast 1368/udp ScreenCast
# Bill Tschumy <other!bill@uunet.UU.NET>
gv-us 1369/tcp GlobalView to Unix Shell
gv-us 1369/udp GlobalView to Unix Shell
us-gv 1370/tcp Unix Shell to GlobalView
us-gv 1370/udp Unix Shell to GlobalView
# Makoto Mita <mita@ssdev.ksp.fujixerox.co.jp>
fc-cli 1371/tcp Fujitsu Config Protocol
fc-cli 1371/udp Fujitsu Config Protocol
fc-ser 1372/tcp Fujitsu Config Protocol
fc-ser 1372/udp Fujitsu Config Protocol
# Ryuichi Horie <horie@spad.sysrap.cs.fujitsu.co.jp>
chromagrafx 1373/tcp Chromagrafx
chromagrafx 1373/udp Chromagrafx
# Mike Barthelemy <msb@chromagrafx.com>
molly 1374/tcp EPI Software Systems
molly 1374/udp EPI Software Systems
# Jim Vlcek <jvlcek@veeco.com>
bytex 1375/tcp Bytex
bytex 1375/udp Bytex
# Mary Ann Burt <bytex!ws054!maryann@uunet.UU.NET>
ibm-pps 1376/tcp IBM Person to Person Software
ibm-pps 1376/udp IBM Person to Person Software
# Simon Phipps <sphipp@vnet.ibm.com>
cichlid 1377/tcp Cichlid License Manager
cichlid 1377/udp Cichlid License Manager
# Andy Burgess <aab@cichlid.com>
elan 1378/tcp Elan License Manager
elan 1378/udp Elan License Manager
# Ken Greer <kg@elan.com>
dbreporter 1379/tcp Integrity Solutions
dbreporter 1379/udp Integrity Solutions
# Tim Dawson <tdawson%mspboss@uunet.UU.NET>
telesis-licman 1380/tcp Telesis Network License Manager
telesis-licman 1380/udp Telesis Network License Manager
# Karl Schendel, Jr. <wiz@telesis.com>
apple-licman 1381/tcp Apple Network License Manager
apple-licman 1381/udp Apple Network License Manager
# Earl Wallace <earlw@apple.com>
udt_os 1382/tcp udt_os
udt_os 1382/udp udt_os
gwha 1383/tcp GW Hannaway Network License Manager
gwha 1383/udp GW Hannaway Network License Manager
# J. Gabriel Foster <fop@gwha.com>
os-licman 1384/tcp Objective Solutions License Manager
os-licman 1384/udp Objective Solutions License Manager
# Donald Cornwell <don.cornwell@objective.com>
atex_elmd 1385/tcp Atex Publishing License Manager
atex_elmd 1385/udp Atex Publishing License Manager
# Brett Sorenson <bcs@atex.com>
checksum 1386/tcp CheckSum License Manager
checksum 1386/udp CheckSum License Manager
# Andreas Glocker <glocker@sirius.com>
cadsi-lm 1387/tcp Computer Aided Design Software Inc LM
cadsi-lm 1387/udp Computer Aided Design Software Inc LM

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#		Sulistio Muljadi <e-mail?>
objective-dbc	1388/tcp	Objective Solutions DataBase Cache
objective-dbc	1388/udp	Objective Solutions DataBase Cache
#		Donald Cornwell <e-mail?>
iclpv-dm	1389/tcp	Document Manager
iclpv-dm	1389/udp	Document Manager
iclpv-sc	1390/tcp	Storage Controller
iclpv-sc	1390/udp	Storage Controller
iclpv-sas	1391/tcp	Storage Access Server
iclpv-sas	1391/udp	Storage Access Server
iclpv-pm	1392/tcp	Print Manager
iclpv-pm	1392/udp	Print Manager
iclpv-nls	1393/tcp	Network Log Server
iclpv-nls	1393/udp	Network Log Server
iclpv-nlc	1394/tcp	Network Log Client
iclpv-nlc	1394/udp	Network Log Client
iclpv-wsm	1395/tcp	PC Workstation Manager software
iclpv-wsm	1395/udp	PC Workstation Manager software
#		A.P. Hobson <A.P.Hobson@bra0112.wins.icl.co.uk>
dvl-activemail	1396/tcp	DVL Active Mail
dvl-activemail	1396/udp	DVL Active Mail
audio-activmail	1397/tcp	Audio Active Mail
audio-activmail	1397/udp	Audio Active Mail
video-activmail	1398/tcp	Video Active Mail
video-activmail	1398/udp	Video Active Mail
#		Avshalom Houri <Avshalom@ubique.com>
cadkey-licman	1399/tcp	Cadkey License Manager
cadkey-licman	1399/udp	Cadkey License Manager
cadkey-tablet	1400/tcp	Cadkey Tablet Daemon
cadkey-tablet	1400/udp	Cadkey Tablet Daemon
#		Joe McCollough <joe@cadkey.com>
goldleaf-licman	1401/tcp	Goldleaf License Manager
goldleaf-licman	1401/udp	Goldleaf License Manager
#		John Fox <----none---->
prm-sm-np	1402/tcp	Prospero Resource Manager
prm-sm-np	1402/udp	Prospero Resource Manager
prm-nm-np	1403/tcp	Prospero Resource Manager
prm-nm-np	1403/udp	Prospero Resource Manager
#		B. Clifford Neuman <bcn@isi.edu>
igi-lm	1404/tcp	Infinite Graphics License Manager
igi-lm	1404/udp	Infinite Graphics License Manager
ibm-res	1405/tcp	IBM Remote Execution Starter
ibm-res	1405/udp	IBM Remote Execution Starter
netlabs-lm	1406/tcp	NetLabs License Manager
netlabs-lm	1406/udp	NetLabs License Manager
dbsa-lm	1407/tcp	DBSA License Manager
dbsa-lm	1407/udp	DBSA License Manager
#		Scott Shattuck <ss@dbsa.com>
sophia-lm	1408/tcp	Sophia License Manager
sophia-lm	1408/udp	Sophia License Manager
#		Eric Brown <sst!emerald!eric@uunet.UU.net>
here-lm	1409/tcp	Here License Manager
here-lm	1409/udp	Here License Manager
#		David Ison <here@dialup.oar.net>
hiq	1410/tcp	HiQ License Manager
hiq	1410/udp	HiQ License Manager
#		Rick Pugh <rick@bilmillennium.com>

af	1411/tcp	AudioFile
af	1411/udp	AudioFile
#		Jim Gettys <jg@crl.dec.com>
innosys	1412/tcp	InnoSys
innosys	1412/udp	InnoSys
innosys-acl	1413/tcp	Innosys-ACL
innosys-acl	1413/udp	Innosys-ACL
#		Eric Welch <---none--->
ibm-mqseries	1414/tcp	IBM MQSeries
ibm-mqseries	1414/udp	IBM MQSeries
#		Roger Meli <rmmeli%winvmd@vnet.ibm.com>
dbstar	1415/tcp	DBStar
dbstar	1415/udp	DBStar
#		Jeffrey Millman <jcm@dbstar.com>
novell-lu6.2	1416/tcp	Novell LU6.2
novell-lu6.2	1416/udp	Novell LU6.2
#		Peter Liu <---none--->
timbuktu-srv1	1417/tcp	Timbuktu Service 1 Port
timbuktu-srv1	1417/udp	Timbuktu Service 1 Port
timbuktu-srv2	1418/tcp	Timbuktu Service 2 Port
timbuktu-srv2	1418/udp	Timbuktu Service 2 Port
timbuktu-srv3	1419/tcp	Timbuktu Service 3 Port
timbuktu-srv3	1419/udp	Timbuktu Service 3 Port
timbuktu-srv4	1420/tcp	Timbuktu Service 4 Port
timbuktu-srv4	1420/udp	Timbuktu Service 4 Port
#		Marc Epard <marc@netopia.com>
gandalf-lm	1421/tcp	Gandalf License Manager
gandalf-lm	1421/udp	Gandalf License Manager
#		gilmer@gandalf.ca
autodesk-lm	1422/tcp	Autodesk License Manager
autodesk-lm	1422/udp	Autodesk License Manager
#		David Ko <dko@autodesk.com>
essbase	1423/tcp	Essbase Arbor Software
essbase	1423/udp	Essbase Arbor Software
hybrid	1424/tcp	Hybrid Encryption Protocol
hybrid	1424/udp	Hybrid Encryption Protocol
#		Howard Hart <hch@hybrid.com>
zion-lm	1425/tcp	Zion Software License Manager
zion-lm	1425/udp	Zion Software License Manager
#		David Ferrero <david@zion.com>
sais	1426/tcp	Satellite-data Acquisition System 1
sais	1426/udp	Satellite-data Acquisition System 1
#		Bill Taylor <sais@ssec.wisc.edu>
mloadd	1427/tcp	mloadd monitoring tool
mloadd	1427/udp	mloadd monitoring tool
#		Bob Braden <braden@isi.edu>
informatik-lm	1428/tcp	Informatik License Manager
informatik-lm	1428/udp	Informatik License Manager
#		Harald Schlangmann
#		<schlangm@informatik.uni-muenchen.de>
nms	1429/tcp	Hypercom NMS
nms	1429/udp	Hypercom NMS
tpdu	1430/tcp	Hypercom TPDU
tpdu	1430/udp	Hypercom TPDU
#		Noor Chowdhury <noor@hypercom.com>
rgtp	1431/tcp	Reverse Gossip Transport
rgtp	1431/udp	Reverse Gossip Transport

#		Ian Jackson <iwj@cam-orl.co.uk>
blueberry-lm	1432/tcp	Blueberry Software License Manager
blueberry-lm	1432/udp	Blueberry Software License Manager
#		Steve Beigel <ublaub!steve@uunet.uu.net>
ms-sql-s	1433/tcp	Microsoft-SQL-Server
ms-sql-s	1433/udp	Microsoft-SQL-Server
ms-sql-m	1434/tcp	Microsoft-SQL-Monitor
ms-sql-m	1434/udp	Microsoft-SQL-Monitor
#		Peter Hussey <peterhus@microsoft.com>
ibm-cics	1435/tcp	IBM CICS
ibm-cics	1435/udp	IBM CICS
#		Geoff Meacock <gbibmswl@ibmmail.COM>
saism	1436/tcp	Satellite-data Acquisition System 2
saism	1436/udp	Satellite-data Acquisition System 2
#		Bill Taylor <sais@ssec.wisc.edu>
tabula	1437/tcp	Tabula
tabula	1437/udp	Tabula
#		Marcelo Einhorn
#		<KGUNE%HUJIVM1.bitnet@taunivm.tau.ac.il>
eicon-server	1438/tcp	Eicon Security Agent/Server
eicon-server	1438/udp	Eicon Security Agent/Server
eicon-x25	1439/tcp	Eicon X25/SNA Gateway
eicon-x25	1439/udp	Eicon X25/SNA Gateway
eicon-slp	1440/tcp	Eicon Service Location Protocol
eicon-slp	1440/udp	Eicon Service Location Protocol
#		Pat Calhoun <CALHOUN@admin.eicon.qc.ca>
cadis-1	1441/tcp	Cadis License Management
cadis-1	1441/udp	Cadis License Management
cadis-2	1442/tcp	Cadis License Management
cadis-2	1442/udp	Cadis License Management
#		Todd Wichers <twichers@csn.org>
ies-lm	1443/tcp	Integrated Engineering Software
ies-lm	1443/udp	Integrated Engineering Software
#		David Tong <David_Tong@integrated.mb.ca>
marcam-lm	1444/tcp	Marcam License Management
marcam-lm	1444/udp	Marcam License Management
#		Therese Hunt <hunt@marcam.com>
proxima-lm	1445/tcp	Proxima License Manager
proxima-lm	1445/udp	Proxima License Manager
ora-lm	1446/tcp	Optical Research Associates License Manager
ora-lm	1446/udp	Optical Research Associates License Manager
apri-lm	1447/tcp	Applied Parallel Research LM
apri-lm	1447/udp	Applied Parallel Research LM
#		Jim Dillon <jed@apri.com>
oc-lm	1448/tcp	OpenConnect License Manager
oc-lm	1448/udp	OpenConnect License Manager
#		Sue Barnhill <snb@oc.com>
peport	1449/tcp	PEport
peport	1449/udp	PEport
#		Quentin Neill <quentin@ColumbiaSC.NCR.COM>
dwf	1450/tcp	Tandem Distributed Workbench Facility
dwf	1450/udp	Tandem Distributed Workbench Facility
#		Mike Bert <BERG_MIKE@tandem.com>
infoman	1451/tcp	IBM Information Management
infoman	1451/udp	IBM Information Management
#		Karen Burns <----none---->
gtegsc-lm	1452/tcp	GTE Government Systems License Man

gtegsc-lm	1452/udp	GTE Government Systems License Man
#		Mike Gregory <Gregory_Mike@msmail.iipo.gtegsc.com>
genie-lm	1453/tcp	Genie License Manager
genie-lm	1453/udp	Genie License Manager
#		Paul Applegate <p.applegate2@genie.geis.com>
interhdl_elmd	1454/tcp	interHDL License Manager
interhdl_elmd	1454/udp	interHDL License Manager
#		Eli Sternheim eli@interhdl.com
esl-lm	1455/tcp	ESL License Manager
esl-lm	1455/udp	ESL License Manager
#		Abel Chou <abel@willy.esl.com>
dca	1456/tcp	DCA
dca	1456/udp	DCA
#		Jeff Garbers <jgarbers@netcom.com>
valisys-lm	1457/tcp	Valisys License Manager
valisys-lm	1457/udp	Valisys License Manager
#		Leslie Lincoln <leslie_lincoln@valisys.com>
nrcabq-lm	1458/tcp	Nichols Research Corp.
nrcabq-lm	1458/udp	Nichols Research Corp.
#		Howard Cole <hcole@tumbleweed.nrcabq.com>
proshare1	1459/tcp	Proshare Notebook Application
proshare1	1459/udp	Proshare Notebook Application
proshare2	1460/tcp	Proshare Notebook Application
proshare2	1460/udp	Proshare Notebook Application
#		Robin Kar <Robin_Kar@ccm.hf.intel.com>
ibm_wrless_lan	1461/tcp	IBM Wireless LAN
ibm_wrless_lan	1461/udp	IBM Wireless LAN
#		<flanne@vnet.IBM.COM>
world-lm	1462/tcp	World License Manager
world-lm	1462/udp	World License Manager
#		Michael S Amirault <ambi@world.std.com>
nucleus	1463/tcp	Nucleus
nucleus	1463/udp	Nucleus
#		Venky Nagar <venky@fafner.Stanford.EDU>
mssl_lmd	1464/tcp	MSL License Manager
mssl_lmd	1464/udp	MSL License Manager
#		Matt Timmermans
pipes	1465/tcp	Pipes Platform
pipes	1465/udp	Pipes Platform mfarlin@peerlogic.com
#		Mark Farlin <mfarlin@peerlogic.com>
oceansoft-lm	1466/tcp	Ocean Software License Manager
oceansoft-lm	1466/udp	Ocean Software License Manager
#		Randy Leonard <randy@oceansoft.com>
csdmbase	1467/tcp	CSDMBASE
csdmbase	1467/udp	CSDMBASE
csdm	1468/tcp	CSDM
csdm	1468/udp	CSDM
#		Robert Stabl <stabl@informatik.uni-muenchen.de>
aal-lm	1469/tcp	Active Analysis Limited License Manager
aal-lm	1469/udp	Active Analysis Limited License Manager
#		David Snocken +44 (71)437-7009
uaiact	1470/tcp	Universal Analytics
uaiact	1470/udp	Universal Analytics
#		Mark R. Ludwig <Mark-Ludwig@uai.com>
csdmbase	1471/tcp	csdmbase
csdmbase	1471/udp	csdmbase
csdm	1472/tcp	csdm

csgm	1472/udp	csgm
#		Robert Stabl <stabl@informatik.uni-muenchen.de>
openmath	1473/tcp	OpenMath
openmath	1473/udp	OpenMath
#		Garth Mayville <mayville@maplesoft.on.ca>
telefinder	1474/tcp	Telefinder
telefinder	1474/udp	Telefinder
#		Jim White <Jim_White@spiderisland.com>
taligent-lm	1475/tcp	Taligent License Manager
taligent-lm	1475/udp	Taligent License Manager
#		Mark Sapsford <Mark_Sapsford@@taligent.com>
clvm-cfg	1476/tcp	clvm-cfg
clvm-cfg	1476/udp	clvm-cfg
#		Eric Soderberg <seric@cup.hp.com>
ms-sna-server	1477/tcp	ms-sna-server
ms-sna-server	1477/udp	ms-sna-server
ms-sna-base	1478/tcp	ms-sna-base
ms-sna-base	1478/udp	ms-sna-base
#		Gordon Mangione <gordm@microsoft.com>
dberegister	1479/tcp	dberegister
dberegister	1479/udp	dberegister
#		Brian Griswold <brian@dancingbear.com>
pacforum	1480/tcp	PacerForum
pacforum	1480/udp	PacerForum
#		Peter Caswell <pfc@pacvax.pacersoft.com>
airs	1481/tcp	AIRS
airs	1481/udp	AIRS
#		Bruce Wilson, 905-771-6161
miteksys-lm	1482/tcp	Miteksys License Manager
miteksys-lm	1482/udp	Miteksys License Manager
#		Shane McRoberts <mroberts@miteksys.com>
afs	1483/tcp	AFS License Manager
afs	1483/udp	AFS License Manager
#		Michael R. Pizolato <michael@afs.com>
confluent	1484/tcp	Confluent License Manager
confluent	1484/udp	Confluent License Manager
#		James Greenfiel <jim@pa.confluent.com>
lansource	1485/tcp	LANSource
lansource	1485/udp	LANSource
#		Christopher Wells <Christopher_Wells@3com.com>
nms_topo_serv	1486/tcp	nms_topo_serv
nms_topo_serv	1486/udp	nms_topo_serv
#		Sylvia Siu <Sylvia_Siu@Novell.CO>
localinfosrvr	1487/tcp	LocalInfoSrvr
localinfosrvr	1487/udp	LocalInfoSrvr
#		Brian Matthews <brian_matthews@ibist.ibis.com>
docstor	1488/tcp	DocStor
docstor	1488/udp	DocStor
#		Brian Spears <bspears@salix.com>
dmdocbroker	1489/tcp	dmdocbroker
dmdocbroker	1489/udp	dmdocbroker
#		Razmik Abnous <abnous@documentum.com>
insitu-conf	1490/tcp	insitu-conf
insitu-conf	1490/udp	insitu-conf
#		Paul Blacknell <paul@insitu.com>
anygateway	1491/tcp	anygateway
anygateway	1491/udp	anygateway

#		Dan Poirier <poirier@VNET.IBM.COM>
stone-design-1	1492/tcp	stone-design-1
stone-design-1	1492/udp	stone-design-1
#		Andrew Stone <andrew@stone.com>
netmap_lm	1493/tcp	netmap_lm
netmap_lm	1493/udp	netmap_lm
#		Phillip Magson <philm@extro.ucc.su.OZ.AU>
ica	1494/tcp	ica
ica	1494/udp	ica
#		John Richardson, Citrix Systems
cvc	1495/tcp	cvc
cvc	1495/udp	cvc
#		Bill Davidson <billd@equalizer.cray.com>
liberty-lm	1496/tcp	liberty-lm
liberty-lm	1496/udp	liberty-lm
#		Jim Rogers <trane!jimbo@pacbell.com>
rfx-lm	1497/tcp	rfx-lm
rfx-lm	1497/udp	rfx-lm
#		Bill Bishop <bil@rfx.rfx.com>
sybase-sqlany	1498/tcp	Sybase SQL Any
sybase-sqlany	1498/udp	Sybase SQL Any
#		Dave Neudoerffer <Dave.Neudoerffer@ianywhere.com>
fhc	1499/tcp	Federico Heinz Consultora
fhc	1499/udp	Federico Heinz Consultora
#		Federico Heinz <federico@heinz.com>
vlsi-lm	1500/tcp	VLSI License Manager
vlsi-lm	1500/udp	VLSI License Manager
#		Shue-Lin Kuo <shuelin@mdk.sanjose.vlsi.com>
saiscm	1501/tcp	Satellite-data Acquisition System 3
saiscm	1501/udp	Satellite-data Acquisition System 3
#		Bill Taylor <sais@ssec.wisc.edu>
shivadiscovery	1502/tcp	Shiva
shivadiscovery	1502/udp	Shiva
#		Jonathan Wenocur <jhw@Shiva.COM>
imtc-mcs	1503/tcp	Databeam
imtc-mcs	1503/udp	Databeam
#		Jim Johnston <jjohnston@databeam.com>
evb-elm	1504/tcp	EVB Software Engineering License Manager
evb-elm	1504/udp	EVB Software Engineering License Manager
#		B.G. Mahesh <mahesh@sett.com>
funkproxy	1505/tcp	Funk Software, Inc.
funkproxy	1505/udp	Funk Software, Inc.
#		Robert D. Vincent <bert@willowpond.com>
utcd	1506/tcp	Universal Time daemon (utcd)
utcd	1506/udp	Universal Time daemon (utcd)
#		Walter Poxon <wdp@ironwood.cray.com>
symplex	1507/tcp	symplex
symplex	1507/udp	symplex
#		Mike Turley <turley@symplex.com>
diagmond	1508/tcp	diagmond
diagmond	1508/udp	diagmond
#		Pete Moscatelli <moscat@hprdstl10.rose.hp.com>
robcad-lm	1509/tcp	Robcad, Ltd. License Manager
robcad-lm	1509/udp	Robcad, Ltd. License Manager
#		Hindin Joseph <hindin%robcad@uunet.uu.net>
mvx-lm	1510/tcp	Midland Valley Exploration Ltd. Lic. Man.
mvx-lm	1510/udp	Midland Valley Exploration Ltd. Lic. Man.

#		Neil Salter <neil@indigo2.mvel.demon.co.uk>Laszlo
31-11	1511/tcp	31-11
31-11	1511/udp	31-11
#		Ian A. Young <iay@threel.co.uk>
wins	1512/tcp	Microsoft's Windows Internet Name Service
wins	1512/udp	Microsoft's Windows Internet Name Service
#		Pradeep Bahl <pradeepb@microsoft.com>
fujitsu-dtc	1513/tcp	Fujitsu Systems Business of America, Inc
fujitsu-dtc	1513/udp	Fujitsu Systems Business of America, Inc
fujitsu-dtcns	1514/tcp	Fujitsu Systems Business of America, Inc
fujitsu-dtcns	1514/udp	Fujitsu Systems Business of America, Inc
#		Charles A. Higgins <75730.2257@compuserve.com>
ifor-protocol	1515/tcp	ifor-protocol
ifor-protocol	1515/udp	ifor-protocol
#		Dr. R.P. Alston <robin@gradient.com>
vpad	1516/tcp	Virtual Places Audio data
vpad	1516/udp	Virtual Places Audio data
vpac	1517/tcp	Virtual Places Audio control
vpac	1517/udp	Virtual Places Audio control
vpvd	1518/tcp	Virtual Places Video data
vpvd	1518/udp	Virtual Places Video data
vpvc	1519/tcp	Virtual Places Video control
vpvc	1519/udp	Virtual Places Video control
#		Avshalom Hourri <Avshalom@ubique.com>
atm-zip-office	1520/tcp	atm zip office
atm-zip-office	1520/udp	atm zip office
#		Wilson Kwan <wilsonk%toronto@zip.atm.com>
ncube-lm	1521/tcp	nCube License Manager
ncube-lm	1521/udp	nCube License Manager
#		Maxine Yuen <maxine@hq.ncube.com>
ricardo-lm	1522/tcp	Ricardo North America License Manager
ricardo-lm	1522/udp	Ricardo North America License Manager
#		Mike Flemming <mf@xnet.com>
cichild-lm	1523/tcp	cichild
cichild-lm	1523/udp	cichild
#		Andy Burgess <aab@cichlid.com>
ingreslock	1524/tcp	ingres
ingreslock	1524/udp	ingres
orasrv	1525/tcp	oracle
orasrv	1525/udp	oracle
prospero-np	1525/tcp	Prospero Directory Service non-priv
prospero-np	1525/udp	Prospero Directory Service non-priv
pdap-np	1526/tcp	Prospero Data Access Prot non-priv
pdap-np	1526/udp	Prospero Data Access Prot non-priv
#		B. Clifford Neuman <bcn@isi.edu>
tlisrv	1527/tcp	oracle
tlisrv	1527/udp	oracle
mcautoreg	1528/tcp	mcautoreg
mcautoreg	1528/udp	mcautoreg
#		John Klensin <klensin@MAIL1.RESTON.MCI.NET>
coauthor	1529/tcp	oracle
coauthor	1529/udp	oracle
rap-service	1530/tcp	rap-service
rap-service	1530/udp	rap-service
rap-listen	1531/tcp	rap-listen
rap-listen	1531/udp	rap-listen
#		Phil Servita <meister@ftp.com>

miroconnect	1532/tcp	miroconnect
miroconnect	1532/udp	miroconnect
#		Michael Fischer +49 531 21 13 0
virtual-places	1533/tcp	Virtual Places Software
virtual-places	1533/udp	Virtual Places Software
#		Avshalom Hourri <Avshalom@ubique.com>
micromuse-lm	1534/tcp	micromuse-lm
micromuse-lm	1534/udp	micromuse-lm
#		Adam Kerrison <adam@micromuse.co.uk>
ampr-info	1535/tcp	ampr-info
ampr-info	1535/udp	ampr-info
ampr-inter	1536/tcp	ampr-inter
ampr-inter	1536/udp	ampr-inter
#		Rob Janssen <rob@sys3.pelchl.ampr.org>
sdsc-lm	1537/tcp	isi-lm
sdsc-lm	1537/udp	isi-lm
#		Len Wanger <lrw@sdsc.edu>
3ds-lm	1538/tcp	3ds-lm
3ds-lm	1538/udp	3ds-lm
#		Keith Trummel <ktrummel@autodesk.com>
intellistor-lm	1539/tcp	Intellistor License Manager
intellistor-lm	1539/udp	Intellistor License Manager
#		Ron Vaughn <rv@intellistor.com>
rds	1540/tcp	rds
rds	1540/udp	rds
rds2	1541/tcp	rds2
rds2	1541/udp	rds2
#		Sudhakar Rajamannar <mobius1@cerfnet.com>
gridgen-elmd	1542/tcp	gridgen-elmd
gridgen-elmd	1542/udp	gridgen-elmd
#		John R. Chawner +1 817 354-1004
simba-cs	1543/tcp	simba-cs
simba-cs	1543/udp	simba-cs
#		Betsy Alexander +1 604-681-4549
aspeclmd	1544/tcp	aspeclmd
aspeclmd	1544/udp	aspeclmd
#		V. Balaji <balaji@aspec.com>
vistium-share	1545/tcp	vistium-share
vistium-share	1545/udp	vistium-share
#		Allison Carleton
#		<acarleto@naper1.napervilleil.ncr.com>
abbaccuray	1546/tcp	abbaccuray
abbaccuray	1546/udp	abbaccuray
#		John Wendt 614-261-2000
laplink	1547/tcp	laplink
laplink	1547/udp	laplink
#		Michael Crawford <MichaelC@dev.travsoft.com>
axon-lm	1548/tcp	Axon License Manager
axon-lm	1548/udp	Axon License Manager
#		Mark Pearce <<Mark_A.._Pearce/AXON_Networks_Inc..@notes.axon.com>
shivahose	1549/tcp	Shiva Hose
shivasound	1549/udp	Shiva Sound
#		Kin Chan <kchan@shiva.com>
3m-image-lm	1550/tcp	Image Storage license manager 3M Company
3m-image-lm	1550/udp	Image Storage license manager 3M Company
#		J. C. Canessa <jccanessa@mmm.com>
hecmtl-db	1551/tcp	HECMTL-DB

hecmtl-db	1551/udp	HECMTL-DB
#		Maxime Belanger <R173@hec.ca>
pciarray	1552/tcp	pciarray
pciarray	1552/udp	pciarray
#		Ron Folk <rfolkes@avl.com>
sna-cs	1553/tcp	sna-cs
sna-cs	1553/udp	sna-cs
#		Tony Sowter <ts@datcon.co.uk>
caci-lm	1554/tcp	CACI Products Company License Manager
caci-lm	1554/udp	CACI Products Company License Manager
#		Erik Blume <erikb@caciasl.com>
livelan	1555/tcp	livelan
livelan	1555/udp	livelan
#		khedayat@roadrunner.pictel.com <Kaynam Hedayat>
veritas_pbx	1556/tcp	VERITAS Private Branch Exchange
veritas_pbx	1556/udp	VERITAS Private Branch Exchange
#		Stefan Winkel <stefan@veritas.com> April 2004
arbortext-lm	1557/tcp	ArborText License Manager
arbortext-lm	1557/udp	ArborText License Manager
#		David J. Wilson <djwt@arbortext.com>
xingmpeg	1558/tcp	xingmpeg
xingmpeg	1558/udp	xingmpeg
#		Howard Gordon <hgordon@system.xingtech.com>
web2host	1559/tcp	web2host
web2host	1559/udp	web2host
#		Stephen Johnson <sjohnson@mindspring.com>
ascii-val	1560/tcp	ASCII-RemoteSHADOW
ascii-val	1560/udp	ASCII-RemoteSHADOW
#		Benjamin Rosenberg <brosenberg@advsyscon.com>
facilityview	1561/tcp	facilityview
facilityview	1561/udp	facilityview
#		Ed Green <egreen@pmeasuring.com>
pconnectmgr	1562/tcp	pconnectmgr
pconnectmgr	1562/udp	pconnectmgr
#		Bob Kaiser <BKaiser@palindrome.com>
cadabra-lm	1563/tcp	Cadabra License Manager
cadabra-lm	1563/udp	Cadabra License Manager
#		Arthur Castonguay <arthurc@doe.carleton.ca>
pay-per-view	1564/tcp	Pay-Per-View
pay-per-view	1564/udp	Pay-Per-View
#		Brian Tung <brian@isi.edu>
winddlb	1565/tcp	WinDD
winddlb	1565/udp	WinDD
#		Kelly Sims <kellys@garnet.wv.tek.com>
corelvideo	1566/tcp	CORELVIDEO
corelvideo	1566/udp	CORELVIDEO
#		Ming Poon <mingp@corel.ca>
jlicelmd	1567/tcp	jlicelmd
jlicelmd	1567/udp	jlicelmd
#		Christian Schormann <100410.3063@compuserve.com>
tsspmap	1568/tcp	tsspmap
tsspmap	1568/udp	tsspmap
#		Paul W. Nelson <nelson@thursby.com>
ets	1569/tcp	ets
ets	1569/udp	ets
#		Carstein Seeberg <case@boole.no>
orbixd	1570/tcp	orbixd

orbixd	1570/udp	orbixd
#		Bridget Walsh <bwalsh@iona.ie>
rdb-dbs-disp	1571/tcp	Oracle Remote Data Base
rdb-dbs-disp	1571/udp	Oracle Remote Data Base
#		<mackin@us.oracle.com>
chip-lm	1572/tcp	Chipcom License Manager
chip-lm	1572/udp	Chipcom License Manager
#		Jerry Natowitz <Jerry.Natowitz>
itscomm-ns	1573/tcp	itscomm-ns
itscomm-ns	1573/udp	itscomm-ns
#		Rich Thompson <richt@watson.ibm.com>
mvel-lm	1574/tcp	mvel-lm
mvel-lm	1574/udp	mvel-lm
#		David Bisset <dbisset@mvel.demon.co.uk>
oraclenames	1575/tcp	oraclenames
oraclenames	1575/udp	oraclenames
#		P.V.Shivkumar <PSHIVKUM@us.oracle.com>
moldflow-lm	1576/tcp	Moldflow License Manager
moldflow-lm	1576/udp	Moldflow License Manager
#		Lech Laskowski <lech_laskowski@moldflow.com>
hypercube-lm	1577/tcp	hypercube-lm
hypercube-lm	1577/udp	hypercube-lm
#		Christopher McLendon <cem@hyper.com>
jacobus-lm	1578/tcp	Jacobus License Manager
jacobus-lm	1578/udp	Jacobus License Manager
#		Tony Cleveland <tony.cleveland@jacobus.com>
ioc-sea-lm	1579/tcp	ioc-sea-lm
ioc-sea-lm	1579/udp	ioc-sea-lm
#		Paul Nelson <paul@ioc-sea.com>
tn-tl-r1	1580/tcp	tn-tl-r1
tn-tl-r2	1580/udp	tn-tl-r2
#		Ed Kress <eskress@thinknet.com>
mil-2045-47001	1581/tcp	MIL-2045-47001
mil-2045-47001	1581/udp	MIL-2045-47001
#		Eric Whitehill <eawhiteh@itt.com>
msims	1582/tcp	MSIMS
msims	1582/udp	MSIMS
#		Glenn Olander <gjo@msi.com>
simbaexpress	1583/tcp	simbaexpress
simbaexpress	1583/udp	simbaexpress
#		Betsy Alexander +1 604-681-4549
tn-tl-fd2	1584/tcp	tn-tl-fd2
tn-tl-fd2	1584/udp	tn-tl-fd2
#		Ed Kress <eskress@thinknet.com>
intv	1585/tcp	intv
intv	1585/udp	intv
#		Dermot Tynand <dtynan@claddagh.ie>
ibm-abtact	1586/tcp	ibm-abtact
ibm-abtact	1586/udp	ibm-abtact
#		Sandeep K. Singhal <singhal@CS.Stanford.EDU>
pra_elmd	1587/tcp	pra_elmd
pra_elmd	1587/udp	pra_elmd
#		Dennis Mastin <dennis@tasmania.platte.com>
triquet-lm	1588/tcp	triquet-lm
triquet-lm	1588/udp	triquet-lm
#		Nand Kumar <nkumar@triquet-da.com>
vqp	1589/tcp	VQP

vqp	1589/udp	VQP
#		Keith McCloghrie <kzm@cisco.com>
gemini-lm	1590/tcp	gemini-lm
gemini-lm	1590/udp	gemini-lm
#		Tony Sawyer <tonys@gemtech.com>
ncpm-pm	1591/tcp	ncpm-pm
ncpm-pm	1591/udp	ncpm-pm
#		Ted Power <tedp@hpinpcb.cup.hp.com>
commonsplace	1592/tcp	commonsplace
commonsplace	1592/udp	commonsplace
#		Rob Chandhok <chandhok@within.com>
mainsoft-lm	1593/tcp	mainsoft-lm
mainsoft-lm	1593/udp	mainsoft-lm
#		Anand Gangadharan <anand@goa.mainsoft.com>
sixtrak	1594/tcp	sixtrak
sixtrak	1594/udp	sixtrak
#		Bob Rennie <rjrennie@wizvax.net>
radio	1595/tcp	radio
radio	1595/udp	radio
radio-sm	1596/tcp	radio-sm
radio-bc	1596/udp	radio-bc
#		Ken Chapman <kchapman@isis.com>
orbplus-iiop	1597/tcp	orbplus-iiop
orbplus-iiop	1597/udp	orbplus-iiop
#		Robert A. Kukura <kukura@apollo.hp.com>
picknfs	1598/tcp	picknfs
picknfs	1598/udp	picknfs
#		John Lombardo <johnl@picksys.com>
simbaservices	1599/tcp	simbaservices
simbaservices	1599/udp	simbaservices
#		Betsy Alexander +1 604-681-4549
issd	1600/tcp	issd
issd	1600/udp	issd
aas	1601/tcp	aas
aas	1601/udp	aas
#		Bob Beard <bobb@lachman.com>
inspect	1602/tcp	inspect
inspect	1602/udp	inspect
#		Frank O'Neill <frank@morse.ilo.dec.com>
picodbc	1603/tcp	pickodbc
picodbc	1603/udp	pickodbc
#		John Lombardo <johnl@picksys.com>
icabrowser	1604/tcp	icabrowser
icabrowser	1604/udp	icabrowser
#		Brad Pedersen <bradp@citrix.com>
slp	1605/tcp	Salutation Manager (Salutation Protocol)
slp	1605/udp	Salutation Manager (Salutation Protocol)
slm-api	1606/tcp	Salutation Manager (SLM-API)
slm-api	1606/udp	Salutation Manager (SLM-API)
#		Tohru Mori <tmori@VNET.IBM.COM>
stt	1607/tcp	stt
stt	1607/udp	stt
#		Ryan Bolz <ryanbo@microsoft.com>
smart-lm	1608/tcp	Smart Corp. License Manager
smart-lm	1608/udp	Smart Corp. License Manager
#		Connie Qiu <connie@scdb.com>
isysg-lm	1609/tcp	isysg-lm

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isysg-lm      1609/udp  isysg-lm
#            Adam Curtin <adam.curtin@isysg.com>
taurus-wh    1610/tcp  taurus-wh
taurus-wh    1610/udp  taurus-wh
#            Jeff Moffatt <jeff@taurus.com>
ill          1611/tcp  Inter Library Loan
ill          1611/udp  Inter Library Loan
#            Niall Murphy <niallm@orca.ucd.ie>
netbill-trans 1612/tcp  NetBill Transaction Server
netbill-trans 1612/udp  NetBill Transaction Server
netbill-keyrep 1613/tcp  NetBill Key Repository
netbill-keyrep 1613/udp  NetBill Key Repository
netbill-cred  1614/tcp  NetBill Credential Server
netbill-cred  1614/udp  NetBill Credential Server
netbill-auth  1615/tcp  NetBill Authorization Server
netbill-auth  1615/udp  NetBill Authorization Server
netbill-prod  1616/tcp  NetBill Product Server
netbill-prod  1616/udp  NetBill Product Server
#            Marvin Sirbu <sirbu+@andrew.cmu.edu>
nimrod-agent 1617/tcp  Nimrod Inter-Agent Communication
nimrod-agent 1617/udp  Nimrod Inter-Agent Communication
#            Charles Lynn <clynn@bbn.com>
skytelnet    1618/tcp  skytelnet
skytelnet    1618/udp  skytelnet
#            Byron Jones <byronj@bellsouth.net>
xs-openstorage 1619/tcp  xs-openstorage
xs-openstorage 1619/udp  xs-openstorage
#            XuiS Software Ltd. <100322.2376@compuserve.com>
faxportwinport 1620/tcp  faxportwinport
faxportwinport 1620/udp  faxportwinport
#            Chris Wells <chris_wells@lansource.com>
softdataphone 1621/tcp  softdataphone
softdataphone 1621/udp  softdataphone
#            Dror Gill <drorgi@VNET.IBM.COM>
ontime       1622/tcp  ontime
ontime       1622/udp  ontime
#            Keith Rhodes 810-559-5955
jaleosnd     1623/tcp  jaleosnd
jaleosnd     1623/udp  jaleosnd
#            Christian Schormann <100410.3063@compuserve.com>
udp-sr-port  1624/tcp  udp-sr-port
udp-sr-port  1624/udp  udp-sr-port
#            Herb Jensen <HWJensen@nfsrv.avionics.itt.com>
svs-omagent  1625/tcp  svs-omagent
svs-omagent  1625/udp  svs-omagent
#            Alberto Berlen <aberlen@VNET.IBM.COM>
shockwave    1626/tcp  Shockwave
shockwave    1626/udp  Shockwave
#            Sarah Allen <sallen@macromedia.com>
t128-gateway 1627/tcp  T.128 Gateway
t128-gateway 1627/udp  T.128 Gateway
#            Phil May <pm@datcon.co.uk>
lontalk-norm 1628/tcp  LonTalk normal
lontalk-norm 1628/udp  LonTalk normal
lontalk-urgnt 1629/tcp  LonTalk urgent
lontalk-urgnt 1629/udp  LonTalk urgent
#            Dan Wing <dwing@cisco.com>

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oraclenet8cman 1630/tcp Oracle Net8 Cman
oraclenet8cman 1630/udp Oracle Net8 Cman
# Tong-Ming Lee <tmllee@us.oracle.com>
visitview 1631/tcp Visit view
visitview 1631/udp Visit view
# Tom Whittaker <tomw@ssec.wisc.edu>
pammratc 1632/tcp PAMMRATC
pammratc 1632/udp PAMMRATC
pammrpc 1633/tcp PAMMRPC
pammrpc 1633/udp PAMMRPC
# John Britton <johnb@peakaudio.com>
loaprobe 1634/tcp Log On America Probe
loaprobe 1634/udp Log On America Probe
# James Tavares, Log On America <krontor@loa.com>
edb-server1 1635/tcp EDB Server 1
edb-server1 1635/udp EDB Server 1
# Carlos Portela <cportela@simple-sw.com>
isdc 1636/tcp ISP shared public data control
isdc 1636/udp ISP shared public data control
islc 1637/tcp ISP shared local data control
islc 1637/udp ISP shared local data control
ismc 1638/tcp ISP shared management control
ismc 1638/udp ISP shared management control
# Nick Austin <ogmion@ogmium.com>
cert-initiator 1639/tcp cert-initiator
cert-initiator 1639/udp cert-initiator
cert-responder 1640/tcp cert-responder
cert-responder 1640/udp cert-responder
# Tom Markson <markson@osmosys.incog.com>
invision 1641/tcp InVision
invision 1641/udp InVision
# Christopher Davey <niallocl@quay.ie>
isis-am 1642/tcp isis-am
isis-am 1642/udp isis-am
isis-ambc 1643/tcp isis-ambc
isis-ambc 1643/udp isis-ambc
# Ken Chapman <kchapman@isis.com>
saiseh 1644/tcp Satellite-data Acquisition System 4
# Bill Taylor <sais@ssec.wisc.edu>
sightline 1645/tcp SightLine
sightline 1645/udp SightLine
# admin <iana@sightlinesystems.com>
sa-msg-port 1646/tcp sa-msg-port
sa-msg-port 1646/udp sa-msg-port
# Eric Whitehill <eawhiteh@itt.com>
rsap 1647/tcp rsap
rsap 1647/udp rsap
# Holger Reif
# <Holger.Reif@prakinf.tu-ilmenau.de>
concurrent-lm 1648/tcp concurrent-lm
concurrent-lm 1648/udp concurrent-lm
# Maggie Brinsford <mjb@concurrent.co.uk>
kermit 1649/tcp kermit
kermit 1649/udp kermit
# Frank da Cruz <fdc@watsun.cc.columbia.edu>
nkd 1650/tcp nkdn
nkd 1650/udp nkdn

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shiva_confsvr	1651/tcp	shiva_confsvr
shiva_confsvr	1651/udp	shiva_confsvr
#		Mike Horowitz <mah@Shiva.COM>
xnmp	1652/tcp	xnmp
xnmp	1652/udp	xnmp
#		Ali Saleh <scomm@cerf.net>
alphatech-lm	1653/tcp	alphatech-lm
alphatech-lm	1653/udp	alphatech-lm
#		Joseph Hauk <joseph.hauk@alphatech.com>
stargatealerts	1654/tcp	stargatealerts
stargatealerts	1654/udp	stargatealerts
#		Tim Coppernoll
#		<Tim_Coppernoll@ccm.jf.intel.com>
dec-mbadmin	1655/tcp	dec-mbadmin
dec-mbadmin	1655/udp	dec-mbadmin
dec-mbadmin-h	1656/tcp	dec-mbadmin-h
dec-mbadmin-h	1656/udp	dec-mbadmin-h
#		Nick Shipman <Nick.Shipman@mrmog.reo.dec.com>
fujitsu-mmpdc	1657/tcp	fujitsu-mmpdc
fujitsu-mmpdc	1657/udp	fujitsu-mmpdc
#		Katsumi Oomuro <NAE01421@niftyserve.or.jp>
sixnetudr	1658/tcp	sixnetudr
sixnetudr	1658/udp	sixnetudr
#		Bob Rennie <rjrennie@wizvax.net>
sg-lm	1659/tcp	Silicon Grail License Manager
sg-lm	1659/udp	Silicon Grail License Manager
#		William R Bishop <wrb@world.std.com>
skip-mc-gikreq	1660/tcp	skip-mc-gikreq
skip-mc-gikreq	1660/udp	skip-mc-gikreq
#		Tom Markson <markson@osmosys.incog.com>
netview-aix-1	1661/tcp	netview-aix-1
netview-aix-1	1661/udp	netview-aix-1
netview-aix-2	1662/tcp	netview-aix-2
netview-aix-2	1662/udp	netview-aix-2
netview-aix-3	1663/tcp	netview-aix-3
netview-aix-3	1663/udp	netview-aix-3
netview-aix-4	1664/tcp	netview-aix-4
netview-aix-4	1664/udp	netview-aix-4
netview-aix-5	1665/tcp	netview-aix-5
netview-aix-5	1665/udp	netview-aix-5
netview-aix-6	1666/tcp	netview-aix-6
netview-aix-6	1666/udp	netview-aix-6
netview-aix-7	1667/tcp	netview-aix-7
netview-aix-7	1667/udp	netview-aix-7
netview-aix-8	1668/tcp	netview-aix-8
netview-aix-8	1668/udp	netview-aix-8
netview-aix-9	1669/tcp	netview-aix-9
netview-aix-9	1669/udp	netview-aix-9
netview-aix-10	1670/tcp	netview-aix-10
netview-aix-10	1670/udp	netview-aix-10
netview-aix-11	1671/tcp	netview-aix-11
netview-aix-11	1671/udp	netview-aix-11
netview-aix-12	1672/tcp	netview-aix-12
netview-aix-12	1672/udp	netview-aix-12
#		Martha Crisson
#		<CRISSON@ralvm12.vnet.ibm.com>
proshare-mc-1	1673/tcp	Intel Proshare Multicast

proshare-mc-1	1673/udp	Intel Proshare Multicast
proshare-mc-2	1674/tcp	Intel Proshare Multicast
proshare-mc-2	1674/udp	Intel Proshare Multicast
#		Mark Lewis <Mark_Lewis@ccm.jf.intel.com>
pdp	1675/tcp	Pacific Data Products
pdp	1675/udp	Pacific Data Products
#		Gary Morton <mortong@pacdata.com>
netcomm1	1676/tcp	netcomm1
netcomm2	1676/udp	netcomm2
#		Bulent Kasman <BKasman@symantec.com>
groupwise	1677/tcp	groupwise
groupwise	1677/udp	groupwise
#		Brent Bradshaw <bbradshaw@novell.com>
prolink	1678/tcp	prolink
prolink	1678/udp	prolink
#		Brian Abramson <brianab@soul.tv.tek.com>
darcorp-lm	1679/tcp	darcorp-lm
darcorp-lm	1679/udp	darcorp-lm
#		<DARcorp@aol.com>
microcom-sbp	1680/tcp	microcom-sbp
microcom-sbp	1680/udp	microcom-sbp
#		Boris B. Maiden <Boris_Maiden@smtp.microcom.com>
sd-elmd	1681/tcp	sd-elmd
sd-elmd	1681/udp	sd-elmd
#		Bryan Otey <bwo@softdesk.com>
lanyon-lantern	1682/tcp	lanyon-lantern
lanyon-lantern	1682/udp	lanyon-lantern
#		Robin Lewis <robin.lewis@lanyon.com>
ncpm-hip	1683/tcp	ncpm-hip
ncpm-hip	1683/udp	ncpm-hip
#		Ken Hearn <hearn@hpindacx.cup.hp.com>
snaresecure	1684/tcp	SnareSecure
snaresecure	1684/udp	SnareSecure
#		Marty Batchelder <marty@capres.com>
n2nremote	1685/tcp	n2nremote
n2nremote	1685/udp	n2nremote
#		Kin Chan <kchan@net2net.com>
cvmon	1686/tcp	cvmon
cvmon	1686/udp	cvmon
#		Carol Ann Krug <carolann@hpmfas3.cup.hp.com>
nsjtp-ctrl	1687/tcp	nsjtp-ctrl
nsjtp-ctrl	1687/udp	nsjtp-ctrl
nsjtp-data	1688/tcp	nsjtp-data
nsjtp-data	1688/udp	nsjtp-data
#		Orazio Granato <og@wsbgrd01.italy.hp.com>
firefox	1689/tcp	firefox
firefox	1689/udp	firefox
#		Mark S. Edwards <marke@firefox.co.uk>
ng-umds	1690/tcp	ng-umds
ng-umds	1690/udp	ng-umds
#		Louis E. Simard <76400.3371@compuserve.com>
empire-empuma	1691/tcp	empire-empuma
empire-empuma	1691/udp	empire-empuma
#		Bobby Krupczak <rdk@empiretech.com>
sstsys-lm	1692/tcp	sstsys-lm
sstsys-lm	1692/udp	sstsys-lm
#		Yih-Wu Wang <sstsys@ix.netcom.com>

rrirtr	1693/tcp	rrirtr
rrirtr	1693/udp	rrirtr
rrimwm	1694/tcp	rrimwm
rrimwm	1694/udp	rrimwm
rrilwm	1695/tcp	rrilwm
rrilwm	1695/udp	rrilwm
rrifmm	1696/tcp	rrifmm
rrifmm	1696/udp	rrifmm
rrisat	1697/tcp	rrisat
rrisat	1697/udp	rrisat
#		Allen Briggs <briggs@access.rrinc.com>
rsvp-encap-1	1698/tcp	RSVP-ENCAPSULATION-1
rsvp-encap-1	1698/udp	RSVP-ENCAPSULATION-1
rsvp-encap-2	1699/tcp	RSVP-ENCAPSULATION-2
rsvp-encap-2	1699/udp	RSVP-ENCAPSULATION-2
#		Bob Braden <braden@isi.edu>
mps-raft	1700/tcp	mps-raft
mps-raft	1700/udp	mps-raft
#		Jason Leupen <Jleupen@aol.com>
l2f	1701/tcp	l2f
l2f	1701/udp	l2f
l2tp	1701/tcp	l2tp
l2tp	1701/udp	l2tp
#		Andy Valencia <vandys@vandys-lap.cisco.com>
deskshare	1702/tcp	deskshare
deskshare	1702/udp	deskshare
#		Sarah Thompson <sarah@telergy.com>
hb-engine	1703/tcp	hb-engine
hb-engine	1703/udp	hb-engine
#		Charles C.L. Chou >cchou@zoom.com>
bcs-broker	1704/tcp	bcs-broker
bcs-broker	1704/udp	bcs-broker
#		Andy Warner <andyw@knoware.nl>
slingshot	1705/tcp	slingshot
slingshot	1705/udp	slingshot
#		Paul Groarke <paulg@quay.ie>
jetform	1706/tcp	jetform
jetform	1706/udp	jetform
#		gdeinsta <gdeinsta@jetform.com>
vdmpplay	1707/tcp	vdmpplay
vdmpplay	1707/udp	vdmpplay
#		David Thielen <support@windward.net>
gat-lmd	1708/tcp	gat-lmd
gat-lmd	1708/udp	gat-lmd
#		Igor Zaoutine <igor@global-tech.com>
centra	1709/tcp	centra
centra	1709/udp	centra
#		Drew Wolff <dwolff@centra.net>
impera	1710/tcp	impera
impera	1710/udp	impera
#		Stephen Campbell <campbell@uniprise.com>
pptconference	1711/tcp	pptconference
pptconference	1711/udp	pptconference
#		John Tafoya <johnt@microsoft.com>
registrar	1712/tcp	resource monitoring service
registrar	1712/udp	resource monitoring service
#		Ron Lawson <ronaldl@hpindacx.cup.hp.com>

conferencetalk	1713/tcp	ConferenceTalk
conferencetalk	1713/udp	ConferenceTalk
#		George Kajos <gkajos@mail1.videoserver.com>
sesi-lm	1714/tcp	sesi-lm
sesi-lm	1714/udp	sesi-lm
houdini-lm	1715/tcp	houdini-lm
houdini-lm	1715/udp	houdini-lm
#		Paul Breslin <phb@SIDEFX.COM>
xmsg	1716/tcp	xmsg
xmsg	1716/udp	xmsg
#		Mark E. Fogle <mefogle@xantel.com>
fj-hdnet	1717/tcp	fj-hdnet
fj-hdnet	1717/udp	fj-hdnet
#		Manabu Makino <m-makino@ael.fujitsu.co.jp>
h323gatedisc	1718/tcp	h323gatedisc
h323gatedisc	1718/udp	h323gatedisc
h323gatestat	1719/tcp	h323gatestat
h323gatestat	1719/udp	h323gatestat
h323hostcall	1720/tcp	h323hostcall
h323hostcall	1720/udp	h323hostcall
#		Jim Toga <jtoga@ibeam.jf.intel.com>
caicci	1721/tcp	caicci
caicci	1721/udp	caicci
#		Sylvia Scheuren <schsy02@cai.com>
hks-lm	1722/tcp	HKS License Manager
hks-lm	1722/udp	HKS License Manager
#		Michael Wood <wood@althea.hks.com>
pptp	1723/tcp	pptp
pptp	1723/udp	pptp
#		Ken Crocker <kcrocker@microsoft.com>
csbphonemaster	1724/tcp	csbphonemaster
csbphonemaster	1724/udp	csbphonemaster
#		Hans-Peter Heffels <hostmaster@csb-system.com>
iden-ralp	1725/tcp	iden-ralp
iden-ralp	1725/udp	iden-ralp
#		Chris Stanaway <stanaway@comm.mot.com>
iberiagames	1726/tcp	IBERIAGAMES
iberiagames	1726/udp	IBERIAGAMES
#		Jose Luis <73374.313@compuserve.com>
winddx	1727/tcp	winddx
winddx	1727/udp	winddx
#		Bill Andrews <billa@vnd.tek.com>
telindus	1728/tcp	TELINDUS
telindus	1728/udp	TELINDUS
#		Paul Pyck <papy@telindus.be
citynl	1729/tcp	CityNL License Management
citynl	1729/udp	CityNL License Management
#		CityDisc >citydisc@euronet.nl>
roketz	1730/tcp	roketz
roketz	1730/udp	roketz
#		Ahti Heinla <ahti@ahti.bluemoon.ee>
msiccp	1731/tcp	MSICCP
msiccp	1731/udp	MSICCP
#		Max Morris <maxm@MICROSOFT.com>
proxim	1732/tcp	proxim
proxim	1732/udp	proxim
#		Srinivas N. Mogalapalli <srinivas@proxim.com>

siipat	1733/tcp	SIMS - SIIPAT Protocol for Alarm Transmission
siipat	1733/udp	SIMS - SIIPAT Protocol for Alarm Transmission
#		Steve Ryckman <iana@simsware.com>
cambertx-lm	1734/tcp	Camber Corporation License Management
cambertx-lm	1734/udp	Camber Corporation License Management
#		Jeannie Burleson <jeannie@cambertx.com>
privatechat	1735/tcp	PrivateChat
privatechat	1735/udp	PrivateChat
#		Louis E. Simard <76400.3371@CompuServe.COM>
street-stream	1736/tcp	street-stream
street-stream	1736/udp	street-stream
#		Glenn Levitt <streetdl@ix.netcom.com>
ultimad	1737/tcp	ultimad
ultimad	1737/udp	ultimad
#		(Michael Lanzetta <hagbard@ultimatech.com>
gamegen1	1738/tcp	GameGen1
gamegen1	1738/udp	GameGen1
#		Glen Pearson <GlenP@multigen.com>
webaccess	1739/tcp	webaccess
webaccess	1739/udp	webaccess
#		Christian Saether <ChristianS@asymetrix.com>
encore	1740/tcp	encore
encore	1740/udp	encore
#		Stuart Button <button@promis.com>
cisco-net-mgmt	1741/tcp	cisco-net-mgmt
cisco-net-mgmt	1741/udp	cisco-net-mgmt
#		John McCormack <jmac@cisco.com>
3Com-nsd	1742/tcp	3Com-nsd
3Com-nsd	1742/udp	3Com-nsd
#		Nitza Steinberg <nitza@isd.3com.com>
cinegrfx-lm	1743/tcp	Cinema Graphics License Manager
cinegrfx-lm	1743/udp	Cinema Graphics License Manager
#		Rodney Iwashina <rodney@cyclone.rfx.com>
ncpm-ft	1744/tcp	ncpm-ft
ncpm-ft	1744/udp	ncpm-ft
#		Ken Hearn <hearn@hpindacx.cup.hp.com>
remote-winsock	1745/tcp	remote-winsock
remote-winsock	1745/udp	remote-winsock
#		Avi Nathan <avin@microsoft.com>
ftrapid-1	1746/tcp	ftrapid-1
ftrapid-1	1746/udp	ftrapid-1
ftrapid-2	1747/tcp	ftrapid-2
ftrapid-2	1747/udp	ftrapid-2
#		Richard J. Williams <RJW1@trpo4.tr.unisys.com>
oracle-em1	1748/tcp	oracle-em1
oracle-em1	1748/udp	oracle-em1
#		Bob Purvy <bpurvy@us.oracle.com>
aspen-services	1749/tcp	aspen-services
aspen-services	1749/udp	aspen-services
#		Mark B. Hurst <mhurst@aspenres.com>
sslp	1750/tcp	Simple Socket Library's PortMaster
sslp	1750/udp	Simple Socket Library's PortMaster
#		Dr. Charles E. Campbell Jr.
#		<cec@gryphon.gsfc.nasa.gov>
swiftnet	1751/tcp	SwiftNet
swiftnet	1751/udp	SwiftNet
#		Terry Lim <tkl@pentek.com>

lofr-lm	1752/tcp	Leap of Faith Research License Manager
lofr-lm	1752/udp	Leap of Faith Research License Manager
#		
#	1753	Unassigned (Removed 2004-05-18)
oracle-em2	1754/tcp	oracle-em2
oracle-em2	1754/udp	oracle-em2
#		Bob Purvy <bpurvy@us.oracle.com>
ms-streaming	1755/tcp	ms-streaming
ms-streaming	1755/udp	ms-streaming
#		Bret O'Rourke <bretor@microsoft.com>
capfast-lmd	1756/tcp	capfast-lmd
capfast-lmd	1756/udp	capfast-lmd
#		Chuck Neal <chuck@phase3.com>
cnhrp	1757/tcp	cnhrp
cnhrp	1757/udp	cnhrp
#		William Stoye <wstoye@atml.co.uk>
tftp-mcast	1758/tcp	tftp-mcast
tftp-mcast	1758/udp	tftp-mcast
#		Tom Emberson <tom@lanworks.com>
spss-lm	1759/tcp	SPSS License Manager
spss-lm	1759/udp	SPSS License Manager
#		Tex Hull <tex@spss.com>
www-ldap-gw	1760/tcp	www-ldap-gw
www-ldap-gw	1760/udp	www-ldap-gw
#		Nick Emery <Nick.Emery@altavista.digital.com>
cft-0	1761/tcp	cft-0
cft-0	1761/udp	cft-0
cft-1	1762/tcp	cft-1
cft-1	1762/udp	cft-1
cft-2	1763/tcp	cft-2
cft-2	1763/udp	cft-2
cft-3	1764/tcp	cft-3
cft-3	1764/udp	cft-3
cft-4	1765/tcp	cft-4
cft-4	1765/udp	cft-4
cft-5	1766/tcp	cft-5
cft-5	1766/udp	cft-5
cft-6	1767/tcp	cft-6
cft-6	1767/udp	cft-6
cft-7	1768/tcp	cft-7
cft-7	1768/udp	cft-7
#		Martine Marchand 16 1 46 59 24 84
bmc-net-adm	1769/tcp	bmc-net-adm
bmc-net-adm	1769/udp	bmc-net-adm
#		Portnoy Boxman <portnoy_boxman@bmc.com>
bmc-net-svc	1770/tcp	bmc-net-svc
bmc-net-svc	1770/udp	bmc-net-svc
#		Portnoy Boxman <portnoy_boxman@bmc.com>
vaultbase	1771/tcp	vaultbase
vaultbase	1771/udp	vaultbase
#		Jose A. Sesin <sesin@vaultbase.com>
essweb-gw	1772/tcp	EssWeb Gateway
essweb-gw	1772/udp	EssWeb Gateway
#		Bob Nattenberg <bnattenberg@arborsoft.com>
kmscontrol	1773/tcp	KMSControl
kmscontrol	1773/udp	KMSControl
#		Roy Chastain <roy@kmsys.com>

global-dtserv	1774/tcp	global-dtserv
global-dtserv	1774/udp	global-dtserv
#		Nicholas Davies <N.Davies@globalcomm.co.uk>
#	1775/tcp	
femis	1776/tcp	Federal Emergency Management Information System
femis	1776/udp	Federal Emergency Management Information System
#		Larry Gerhardstein <lh_gerhardstein@pnl.gov>
powerguardian	1777/tcp	powerguardian
powerguardian	1777/udp	powerguardian
#		Charles Bennett <chuck@benatong.com>
prodigy-intrnet	1778/tcp	prodigy-internet
prodigy-intrnet	1778/udp	prodigy-internet
#		Bob Dedrick <bob@staff.prodigy.com>
pharmasoft	1779/tcp	pharmasoft
pharmasoft	1779/udp	pharmasoft
#		Ola Strandberg <Ola.Strandberg@pharmasoft.se>
dpkeyserv	1780/tcp	dpkeyserv
dpkeyserv	1780/udp	dpkeyserv
#		Yasunari Gon Yamasita <yamasita@omronsoft.co.jp>
answersoft-lm	1781/tcp	answersoft-lm
answersoft-lm	1781/udp	answersoft-lm
#		James A. Brewster <jimbrew@answersoft.com>
hp-hcip	1782/tcp	hp-hcip
hp-hcip	1782/udp	hp-hcip
#		Allen Baker <abaker@boi.hp.com>
#	1783	Decomissioned Port 04/14/00, ms
#		<naonao@kikaku.mmp.fujitsu.co.jp>
finle-lm	1784/tcp	Finle License Manager
finle-lm	1784/udp	Finle License Manager
#		Dongling Wang <dongling@finle.com>
windlm	1785/tcp	Wind River Systems License Manager
windlm	1785/udp	Wind River Systems License Manager
#		Will Dere <will@wrs.com>
funk-logger	1786/tcp	funk-logger
funk-logger	1786/udp	funk-logger
funk-license	1787/tcp	funk-license
funk-license	1787/udp	funk-license
#		Cimarron Boozer <cboozer@funk.com>
#		Eric Wilde <eric@funk.com>
psmond	1788/tcp	psmond
psmond	1788/udp	psmond
#		Will Golson <golson@fc.hp.com>
hello	1789/tcp	hello
hello	1789/udp	hello
#		D. J. Bernstein <djb@koobera.math.uic.edu>
nmsp	1790/tcp	Narrative Media Streaming Protocol
nmsp	1790/udp	Narrative Media Streaming Protocol
#		Paul Santinelli, Jr. <psantinelli@narrative.com>
ea1	1791/tcp	EA1
ea1	1791/udp	EA1
#		Kirk MacLean <kmaclean@ea.com>
ibm-dt-2	1792/tcp	ibm-dt-2
ibm-dt-2	1792/udp	ibm-dt-2
#		Sam Borman <sam_borman@uk.ibm.com>
rsc-robot	1793/tcp	rsc-robot
rsc-robot	1793/udp	rsc-robot
#		Andrew Jay Schneider <ajs@relsoft.com>

cera-bcm	1794/tcp	cera-bcm
cera-bcm	1794/udp	cera-bcm
#		Leo Moesgaard <leo_moesgaard@dk.ibm.com>
dpi-proxy	1795/tcp	dpi-proxy
dpi-proxy	1795/udp	dpi-proxy
#		Charles Gordon <cgordon@digprod.com>
vocaltec-admin	1796/tcp	Vocaltec Server Administration
vocaltec-admin	1796/udp	Vocaltec Server Administration
#		Scott Petrack <Scott_Petrack@vocaltec.com>
uma	1797/tcp	UMA
uma	1797/udp	UMA
#		Martin Kirk <m.kirk@opengroup.org>
etp	1798/tcp	Event Transfer Protocol
etp	1798/udp	Event Transfer Protocol
#		Mike Wray <mjw@hplb.hpl.hp.com>
netrisk	1799/tcp	NETRISK
netrisk	1799/udp	NETRISK
#		Kevin Green <Kevin_Green@tds.com>
ansys-lm	1800/tcp	ANSYS-License manager
ansys-lm	1800/udp	ANSYS-License manager
#		Suzanne Lorrin <sml@ansyspo.ansys.com>
msmq	1801/tcp	Microsoft Message Que
msmq	1801/udp	Microsoft Message Que
#		Amnon Horowitz <amnonh@MICROSOFT.com>
concomp1	1802/tcp	ConComp1
concomp1	1802/udp	ConComp1
#		Ed Vincent <@edv@concomp.com>
hp-hcip-gwy	1803/tcp	HP-HCIP-GWY
hp-hcip-gwy	1803/udp	HP-HCIP-GWY
#		Allen Baker <abaker@boi.hp.com>
enl	1804/tcp	ENL
enl	1804/udp	ENL
#		Brian Olson <briolson@pacbell.net>
enl-name	1805/tcp	ENL-Name
enl-name	1805/udp	ENL-Name
#		Brian Olson <briolson@pacbell.net>
musiconline	1806/tcp	Musiconline
musiconline	1806/udp	Musiconline
#		Craig Weeks <cweeks@syspace.co.uk>
fhsp	1807/tcp	Fujitsu Hot Standby Protocol
fhsp	1807/udp	Fujitsu Hot Standby Protocol
#		Eiki Iwata (eiki@nd.net.fujitsu.co.jp)
oracle-vp2	1808/tcp	Oracle-VP2
oracle-vp2	1808/udp	Oracle-VP2
#		Craig Fowler <cfowler@us.oracle.com>
oracle-vp1	1809/tcp	Oracle-VP1
oracle-vp1	1809/udp	Oracle-VP1
#		Craig Fowler <cfowler@us.oracle.com>
jerand-lm	1810/tcp	Jerand License Manager
jerand-lm	1810/udp	Jerand License Manager
#		Robert Monat <jerand@jerand.com>
scientia-sdb	1811/tcp	Scientia-SDB
scientia-sdb	1811/udp	Scientia-SDB
#		SYSTEMS MANAGER <systems-manager@scientia.com>
radius	1812/tcp	RADIUS
radius	1812/udp	RADIUS
#		Carl Rigney <cdr@livingston.com>

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radius-acct      1813/tcp      RADIUS Accounting
radius-acct      1813/udp      RADIUS Accounting
#               Carl Rigney <cdr@livingston.com>
tdp-suite        1814/tcp      TDP Suite
tdp-suite        1814/udp      TDP Suite
#               Rob Lockhart <rob.lockhart@mot.com>
mmpft            1815/tcp      MMPFT
mmpft            1815/udp      MMPFT
#               Ralf Muckenhirn <FAX: 49-7622-398200>
#               <Phone: 49-7622-3980>
harp             1816/tcp      HARP
harp             1816/udp      HARP
#               Bjorn Chambless <bjorn@cs.pdx.edu>
rkb-oscs         1817/tcp      RKB-OSCS
rkb-oscs         1817/udp      RKB-OSCS
#               Robert Kevin Breton <BOBBRETON@HOTMAIL.COM>
etftp            1818/tcp      Enhanced Trivial File Transfer Protocol
etftp            1818/udp      Enhanced Trivial File Transfer Protocol
#               William Polites <wpolites@mitre.org>
plato-lm         1819/tcp      Plato License Manager
plato-lm         1819/udp      Plato License Manager
#               Mark Morris <mim@ermuk.com>
mcagent          1820/tcp      mcagent
mcagent          1820/udp      mcagent
#               Ryoichi Shinohara <shinohara@VNET.IBM.COM>
donnyworld       1821/tcp      donnyworld
donnyworld       1821/udp      donnyworld
#               Don Oliver <don@donnyworld.com>
es-elmd          1822/tcp      es-elmd
es-elmd          1822/udp      es-elmd
#               David Duncan <dduncan@es.com>
unisys-lm        1823/tcp      Unisys Natural Language License Manager
unisys-lm        1823/udp      Unisys Natural Language License Manager
#               Raymond A. Diedrichs <rayd@slu.tr.unisys.com>
metrics-pas      1824/tcp      metrics-pas
metrics-pas      1824/udp      metrics-pas
#               Tom Haapanen <tomh@metrics.com>
direcpc-video    1825/tcp      DirecPC Video
direcpc-video    1825/udp      DirecPC Video
#               Chris Kerrigan <ckerrigan@hns.com>
ardt             1826/tcp      ARDT
ardt             1826/udp      ARDT
#               Mike Goddard <mike.goddard@ardent.com.au>
asi              1827/tcp      ASI
asi              1827/udp      ASI
#               Bob Tournoux <bob.tournoux@usiny.mail.abb.com>
itm-mcell-u      1828/tcp      itm-mcell-u
itm-mcell-u      1828/udp      itm-mcell-u
#               Portnoy Boxman <portnoy_boxman@bmc.com>
optika-emedias  1829/tcp      Optika eMedia
optika-emedias  1829/udp      Optika eMedia
#               Daryle DeBalski <ddebalski@optika.com>
net8-cman        1830/tcp      Oracle Net8 CMan Admin
net8-cman        1830/udp      Oracle Net8 CMan Admin
#               Shuvayu Kanjilal
myrtle           1831/tcp      Myrtle
myrtle           1831/udp      Myrtle

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#                               Ron Achin <RAchin@genscan.com>
tht-treasure    1832/tcp      ThoughtTreasure
tht-treasure    1832/udp      ThoughtTreasure
#                               Erik Mueller <erik@signiform.com>
udpradio        1833/tcp      udpradio
udpradio        1833/udp      udpradio
#                               Guus Sliepen <guus@warande3094.warande.uu.nl>
ardusuni        1834/tcp      ARDUS Unicast
ardusuni        1834/udp      ARDUS Unicast
ardusmul        1835/tcp      ARDUS Multicast
ardusmul        1835/udp      ARDUS Multicast
#                               Toshikatsu Ito <ito-t@pfu.co.jp>
ste-smisc       1836/tcp      ste-smisc
ste-smisc       1836/udp      ste-smisc
#                               Tom Snauwaert <tom.snauwaert@st-electronics.be>
csoft1          1837/tcp      csoft1
csoft1          1837/udp      csoft1
#                               John Coll <john@csoft.co.uk>
talnet          1838/tcp      TALNET
talnet          1838/udp      TALNET
#                               Aaron Lav <aaron@taltrade.com>
netopia-vo1     1839/tcp      netopia-vo1
netopia-vo1     1839/udp      netopia-vo1
netopia-vo2     1840/tcp      netopia-vo2
netopia-vo2     1840/udp      netopia-vo2
netopia-vo3     1841/tcp      netopia-vo3
netopia-vo3     1841/udp      netopia-vo3
netopia-vo4     1842/tcp      netopia-vo4
netopia-vo4     1842/udp      netopia-vo4
netopia-vo5     1843/tcp      netopia-vo5
netopia-vo5     1843/udp      netopia-vo5
#                               Marc Epard <marc@netopia.com>
direcpc-dll     1844/tcp      DirecPC-DLL
direcpc-dll     1844/udp      DirecPC-DLL
#                               Chris Kerrigan <ckerrigan@hns.com>
altalink        1845/tcp      altalink
altalink        1845/udp      altalink
#                               Alberto Raydan <alberto@altasol.com>
tunstall-pnc    1846/tcp      Tunstall PNC
tunstall-pnc    1846/udp      Tunstall PNC
#                               Robert M. Moore <r_moore@tunstall.co.uk>
slp-notify      1847/tcp      SLP Notification
slp-notify      1847/udp      SLP Notification
#                               James Kempf <james.kempf@sun.com>
fjdocdist       1848/tcp      fjdocdist
fjdocdist       1848/udp      fjdocdist
#                               Yuichi Ohiwa <y-ohiwa@ael.fujitsu.co.jp>
alpha-sms       1849/tcp      ALPHA-SMS
alpha-sms       1849/udp      ALPHA-SMS
#                               Benjamin Grimm <bg@webnetix.de>
gsi             1850/tcp      GSI
gsi             1850/udp      GSI
#                               William Mullaney <mullanwi@usa.net>
ctcd            1851/tcp      ctcd
ctcd            1851/udp      ctcd
#                               John Ryan <john@cybertrace.com>
virtual-time    1852/tcp      Virtual Time

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virtual-time	1852/udp	Virtual Time
#		Angie S. Morner <webmaster@dsbcpas.com>
vids-avtp	1853/tcp	VIDS-AVTP
vids-avtp	1853/udp	VIDS-AVTP
#		Sascha Kuemmel <kuemmel@vidsoft.de>
buddy-draw	1854/tcp	Buddy Draw
buddy-draw	1854/udp	Buddy Draw
#		Marvin Shin <president@medialingo.com>
fiorano-rtrsvc	1855/tcp	Fiorano RtrSvc
fiorano-rtrsvc	1855/udp	Fiorano RtrSvc
fiorano-msgsvc	1856/tcp	Fiorano MsgSvc
fiorano-msgsvc	1856/udp	Fiorano MsgSvc
#		Albert Holt <alberth@fiorano.com>
datacaptor	1857/tcp	DataCaptor
datacaptor	1857/udp	DataCaptor
#		Steven M. Forrester <StevenF@CapsuleTech.com>
privateark	1858/tcp	PrivateArk
privateark	1858/udp	PrivateArk
#		Ronen Zoran <ronenz@cyber-ark.com>
gammafetchsvr	1859/tcp	Gamma Fetcher Server
gammafetchsvr	1859/udp	Gamma Fetcher Server
#		Cnaan Aviv <cnaan@gammasite.com>
sunscalar-svc	1860/tcp	SunSCALAR Services
sunscalar-svc	1860/udp	SunSCALAR Services
#		Sanjay Radia <srradia@kasumbi.Eng.Sun.COM>
lecroy-vicp	1861/tcp	LeCroy VICP
lecroy-vicp	1861/udp	LeCroy VICP
#		Anthony Cake <anthonyrc@lecroy.com>
techra-server	1862/tcp	techra-server
techra-server	1862/udp	techra-server
#		Roy Lyseng <roy.lyseng@maxware.no>
msnp	1863/tcp	MSNP
msnp	1863/udp	MSNP
#		William Lai <wlai@microsoft.com>
paradym-31port	1864/tcp	Paradym 31 Port
paradym-31port	1864/udp	Paradym 31 Port
#		David Wooden <dwooden@wisdom.com>
entp	1865/tcp	ENTP
entp	1865/udp	ENTP
#		Seiko Epson <Ishida.Hitoshi@exc.epson.co.jp>
swrmi	1866/tcp	swrmi
swrmi	1866/udp	swrmi
#		Jun Yoshii <yoshii@ael.fujitsu.co.jp>
udrive	1867/tcp	UDRIVE
udrive	1867/udp	UDRIVE
#		Robby Walker <webmaster@cd-lab.com>
vizablebrowser	1868/tcp	VizableBrowser
vizablebrowser	1868/udp	VizableBrowser
#		Jimmy Talbot <jtalbot@vizable.com>
transact	1869/tcp	TransAct
transact	1869/udp	TransAct
#		TransAct Futures Development Team <1869info@transactfutures.com>
sunscalar-dns	1870/tcp	SunSCALAR DNS Service
sunscalar-dns	1870/udp	SunSCALAR DNS Service
#		Sanjay Radia <srradia@kasumbi.Eng.Sun.COM>
canocentral0	1871/tcp	Cano Central 0

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canocentral0      1871/udp      Cano Central 0
canocentrall     1872/tcp      Cano Central 1
canocentrall     1872/udp      Cano Central 1
#                Mark McNamara <markm@research.canon.com.au>
fjmpjps          1873/tcp      Fjmpjps
fjmpjps          1873/udp      Fjmpjps
fjswapsnp        1874/tcp      Fjswapsnp
fjswapsnp        1874/udp      Fjswapsnp
#                Y. Ohiwa <y-ohiwa@ael.fujitsu.co.jp>
westell-stats    1875/tcp      westell stats
westell-stats    1875/udp      westell stats
#                Thomas McCabe <tmcca@westell.com>
ewcappsrv        1876/tcp      ewcappsrv
ewcappsrv        1876/udp      ewcappsrv
#                Howard Yin <howard.yin@ericsson.com>
hp-webqosdb      1877/tcp      hp-webqosdb
hp-webqosdb      1877/udp      hp-webqosdb
#                Kim Scott <kims@cup.hp.com>
drmsmc           1878/tcp      drmsmc
drmsmc           1878/udp      drmsmc
#                Katsuhiko Abe <kabe@hst.fujitsu.co.jp>
nettgain-nms     1879/tcp      NettGain NMS
nettgain-nms     1879/udp      NettGain NMS
#                Dr. Yair Shapira <yair@flashnetworks.com>
vsat-control     1880/tcp      Gilat VSAT Control
vsat-control     1880/udp      Gilat VSAT Control
#                Yariv Kaplan <yarivk@gilat.com>
ibm-mqseries2    1881/tcp      IBM WebSphere MQ Everyplace
ibm-mqseries2    1881/udp      IBM WebSphere MQ Everyplace
#                Jane Porter <janeporter@uk.ibm.com>
ecsqdmn          1882/tcp      CA eTrust Common Services
ecsqdmn          1882/udp      CA eTrust Common Services
#                Paul Wissmiller <Paul.Wissmiller@ca.com>
ibm-mqisdsp      1883/tcp      IBM MQSeries SCADA
ibm-mqisdsp      1883/udp      IBM MQSeries SCADA
#                Andy Stanford-Clark <andysc@uk.ibm.com>
idmaps           1884/tcp      Internet Distance Map Svc
idmaps           1884/udp      Internet Distance Map Svc
#                Sugih Jamim <jamin@eecs.umich.edu>
vrtstrapserver   1885/tcp      Veritas Trap Server
vrtstrapserver   1885/udp      Veritas Trap Server
#                Russell Thrasher <rthrashe@veritas.com>
leoip            1886/tcp      Leonardo over IP
leoip            1886/udp      Leonardo over IP
#                Dietmar Finkler <d.finkler@hermstedt.de>
filex-lport      1887/tcp      FileX Listening Port
filex-lport      1887/udp      FileX Listening Port
#                Megan Woods <meganwoods@datafast.net.au>
ncconfig         1888/tcp      NC Config Port
ncconfig         1888/udp      NC Config Port
#                Simon Parker <simon.j.parker@philips.com>
unify-adapter     1889/tcp      Unify Web Adapter Service
unify-adapter     1889/udp      Unify Web Adapter Service
#                Duane Gibson <ianaportmaster@unify.com>
wilkenlistener   1890/tcp      wilkenListener
wilkenlistener   1890/udp      wilkenListener
#                Wilken GmbH <fy@wilken.de>

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childkey-notif 1891/tcp ChildKey Notification
childkey-notif 1891/udp ChildKey Notification
childkey-ctrl 1892/tcp ChildKey Control
childkey-ctrl 1892/udp ChildKey Control
# Ivan Berardinelli <ivan@gestweb.com>
elad 1893/tcp ELAD Protocol
elad 1893/udp ELAD Protocol
# Franco Milan <franco@eladit.com>
o2server-port 1894/tcp O2Server Port
o2server-port 1894/udp O2Server Port
# Tim Howard <timothygh@hotmail.com>
##### Microsoft (unofficially) using 1895 #####
b-novative-ls 1896/tcp b-novative license server
b-novative-ls 1896/udp b-novative license server
# Matthias Riese <Matthias.Riese@b-novative.de>
metaagent 1897/tcp MetaAgent
metaagent 1897/udp MetaAgent
# Marie-France Dubreuil <Marie-
France.Dubreuil@evidian.com>
cymtec-port 1898/tcp Cymtec secure management
cymtec-port 1898/udp Cymtec secure management
# Michael Mester <mmester@cymtec.com>
mc2studios 1899/tcp MC2Studios
mc2studios 1899/udp MC2Studios
# Michael Coon <michael@thecube.com>
ssdp 1900/tcp SSDP
ssdp 1900/udp SSDP
# Yaron Goland <yarong@microsoft.com>
fjicl-tep-a 1901/tcp Fujitsu ICL Terminal Emulator Program A
fjicl-tep-a 1901/udp Fujitsu ICL Terminal Emulator Program A
# Bob Lyon <bl@oasis.icl.co.uk>
fjicl-tep-b 1902/tcp Fujitsu ICL Terminal Emulator Program B
fjicl-tep-b 1902/udp Fujitsu ICL Terminal Emulator Program B
# Bob Lyon <bl@oasis.icl.co.uk>
linkname 1903/tcp Local Link Name Resolution
linkname 1903/udp Local Link Name Resolution
# Dan Harrington <dth@lucent.com>
fjicl-tep-c 1904/tcp Fujitsu ICL Terminal Emulator Program C
fjicl-tep-c 1904/udp Fujitsu ICL Terminal Emulator Program C
# Bob Lyon <bl@oasis.icl.co.uk>
sugp 1905/tcp Secure UP.Link Gateway Protocol
sugp 1905/udp Secure UP.Link Gateway Protocol
# Peter King <king@uplanet.com>
tpmd 1906/tcp TPortMapperReq
tpmd 1906/udp TPortMapperReq
# Sheila Devins <sheila_devins@VNET.IBM.COM>
intrastar 1907/tcp IntraSTAR
intrastar 1907/udp IntraSTAR
# Peter Schoenberger <ps@teles.de>
dawn 1908/tcp Dawn
dawn 1908/udp Dawn
# Michael Crawford <michaelc@travsoft.com>
global-wlink 1909/tcp Global World Link
global-wlink 1909/udp Global World Link
# Nicholas Davies <N.Davies@globalcomm.co.uk>
ultrabac 1910/tcp UltraBac Software communications port
ultrabac 1910/udp UltraBac Software communications port

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#                               Paul Bunn <iana@ultrabac.com>
mtp                1911/tcp      Starlight Networks Multimedia Transport Protocol
mtp                1911/udp      Starlight Networks Multimedia Transport Protocol
#                               Bruce Lieberman <brucel@iserver.starlight.com>
rhp-iibp          1912/tcp      rhp-iibp
rhp-iibp          1912/udp      rhp-iibp
#                               George Nachman
#                               Tom Lake <tlake@m-ware.com>
armadp            1913/tcp      armadp
armadp            1913/udp      armadp
#                               Kevin Welton <Kevin.Welton@armltd.co.uk>
elm-momentum      1914/tcp      Elm-Momentum
elm-momentum      1914/udp      Elm-Momentum
#                               Willie Wu <willie@mds.com>
facelink          1915/tcp      FACELINK
facelink          1915/udp      FACELINK
#                               J.H. Hermans <j.h.hermans@hiscom.nl>
persona          1916/tcp      Persoft Persona
persona          1916/udp      Persoft Persona
#                               Tom Spidell <spidell@persoft.com>
noagent          1917/tcp      nOAgent
noagent          1917/udp      nOAgent
#                               Martin Bestmann <martin@datawatch.de>
can-nds          1918/tcp      IBM Tivole Directory Service - NDS
can-nds          1918/udp      IBM Tivole Directory Service - NDS
can-dch          1919/tcp      IBM Tivoli Directory Service - DCH
can-dch          1919/udp      IBM Tivoli Directory Service - DCH
can-ferret       1920/tcp      IBM Tivoli Directory Service - FERRET
can-ferret       1920/udp      IBM Tivoli Directory Service - FERRET
#                               nic catrambone <ncatramb@us.ibm.com>
noadmin          1921/tcp      NoAdmin
noadmin          1921/udp      NoAdmin
#                               Martin Bestmann <martin@datawatch.de>
tapestry         1922/tcp      Tapestry
tapestry         1922/udp      Tapestry
#                               Ken Oliver <koliver02@yahoo.com>
spice            1923/tcp      SPICE
spice            1923/udp      SPICE
#                               Nicholas Chua <nick@sendit.se>
xiip            1924/tcp      XIIP
xiip            1924/udp      XIIP
#                               Alain Robert <Alain.Robert@HMRinc.com>
discovery-port   1925/tcp      Surrogate Discovery Port
discovery-port   1925/udp      Surrogate Discovery Port
#                               Keith Thompson <keith.thompson@sun.com>
egs             1926/tcp      Evolution Game Server
egs             1926/udp      Evolution Game Server
#                               Simon Butcher <simonb@alien.net.au>
videte-cipc      1927/tcp      Videte CIPC Port
videte-cipc      1927/udp      Videte CIPC Port
#                               Videte IT <info@videte.com>
emspd-port       1928/tcp      Expnd Maui Srvr Dscovr
emspd-port       1928/udp      Expnd Maui Srvr Dscovr
#                               Edo Yahav <standards@expand.com>
bandwiz-system   1929/tcp      Bandwiz System - Server
bandwiz-system   1929/udp      Bandwiz System - Server
#                               Joseph Weihs <yossi@bandwiz.com>

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driveappserver 1930/tcp Drive AppServer
driveappserver 1930/udp Drive AppServer
# Andrew Johnson
# <andrew.johnson@bliss-support.demon.co.uk>
amsched 1931/tcp AMD SCHED
amsched 1931/udp AMD SCHED
# Michael Walsh <mww@warwick.net>
ctt-broker 1932/tcp CTT Broker
ctt-broker 1932/udp CTT Broker
# Jens Edlund <edlund@speech.kth.se>
xmapl 1933/tcp IBM LM MT Agent
xmapl 1933/udp IBM LM MT Agent
xaapl 1934/tcp IBM LM Appl Agent
xaapl 1934/udp IBM LM Appl Agent
# Helga Wolin <hwolin@us.ibm.com>
macromedia-fcs 1935/tcp Macromedia Flash Communications Server MX
macromedia-fcs 1935/udp Macromedia Flash Communications server MX
# Pritham Shetty <pritham@macromedia.com>
jetcmeserver 1936/tcp JetCmeServer Server Port
jetcmeserver 1936/udp JetCmeServer Server Port
jwserver 1937/tcp JetVWay Server Port
jwserver 1937/udp JetVWay Server Port
jwclient 1938/tcp JetVWay Client Port
jwclient 1938/udp JetVWay Client Port
jvserver 1939/tcp JetVision Server Port
jvserver 1939/udp JetVision Server Port
jvclient 1940/tcp JetVision Client Port
jvclient 1940/udp JetVision Client Port
# Stephen Tsun <stsun@jetstream.com>
dic-aida 1941/tcp DIC-Aida
dic-aida 1941/udp DIC-Aida
# Frans S.C. Witte <fscwitte@dicgroep.nl>
res 1942/tcp Real Enterprise Service
res 1942/udp Real Enterprise Service
# Bob Janssen <bob@res.nl>
beeyond-media 1943/tcp Beeyond Media
beeyond-media 1943/udp Beeyond Media
# Bob Deblie <bob@virtualunlimited.com>
close-combat 1944/tcp close-combat
close-combat 1944/udp close-combat
# David Hua <davhua@microsoft.com>
dialogic-elmd 1945/tcp dialogic-elmd
dialogic-elmd 1945/udp dialogic-elmd
# Roger Kay <r.kay@nz.dialogic.com>
tekpls 1946/tcp tekpls
tekpls 1946/udp tekpls
# Brian Abramson <brianab@vnd.tek.com>
hlserver 1947/tcp hlserver
hlserver 1947/udp hlserver
# Michael Zzunke <mzunke@fast-ag.de>
eye2eye 1948/tcp eye2eye
eye2eye 1948/udp eye2eye
# Trevor Bell <Trevor@iguana.iosoftware.com>
ismaeasdaqlive 1949/tcp ISMA Easdaq Live
ismaeasdaqlive 1949/udp ISMA Easdaq Live
ismaeasdaqtest 1950/tcp ISMA Easdaq Test
ismaeasdaqtest 1950/udp ISMA Easdaq Test

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#                               Stephen Dunne <sdun@isma.co.uk>
bcs-lmserver 1951/tcp bcs-lmserver
bcs-lmserver 1951/udp bcs-lmserver
#                               Andy Warner <andyw@knoware.nl>
mpnjsc       1952/tcp  mpnjsc
mpnjsc       1952/udp  mpnjsc
#                               Takenori Miyahara <miyahara@pfu.co.jp>
rapidbase   1953/tcp  Rapid Base
rapidbase   1953/udp  Rapid Base
#                               Antoni Wolski <antoni.wolski@vtt.fi>
abr-api     1954/tcp  ABR-API (diskbridge)
abr-api     1954/udp  ABR-API (diskbridge)
abr-secure  1955/tcp  ABR-Secure Data (diskbridge)
abr-secure  1955/udp  ABR-Secure Data (diskbridge)
#                               Graham Wooden <graham@g-rock.net>
vrtl-vmf-ds 1956/tcp  Vertel VMF DS
vrtl-vmf-ds 1956/udp  Vertel VMF DS
#                               Alan Akahoshi <alan-akahoshi@vertel.com>
unix-status  1957/tcp  unix-status
unix-status  1957/udp  unix-status
#                               Thomas Erskine <erskine@sourceworks.com>
dxadmin     1958/tcp  CA Administration Daemon
dxadmin     1958/udp  CA Administration Daemon
#                               John Birrell <birjo99@cai.com>
simp-all   1959/tcp  SIMP Channel
simp-all   1959/udp  SIMP Channel
#                               Tim Hunnewell <thunnewell@pinna.com>
nasmanager  1960/tcp  Merit DAC NASmanager
nasmanager  1960/udp  Merit DAC NASmanager
#                               Richard S. Conto <rsc@merit.edu>
bts-appserver 1961/tcp  BTS APPSERVER
bts-appserver 1961/udp  BTS APPSERVER
#                               Carl Obsorn <carl_osborn@sabre.com>
biap-mp    1962/tcp  BIAP-MP
biap-mp    1962/udp  BIAP-MP
#                               Louis Slothouber <lpslot@biap.com>
webmachine 1963/tcp  WebMachine
webmachine 1963/udp  WebMachine
#                               Tim Jowers <Tim.Jowers@ColumbiaSC.NCR.com>
solid-e-engine 1964/tcp  SOLID E ENGINE
solid-e-engine 1964/udp  SOLID E ENGINE
#                               Ari Valtanen <ari.valtanen@solidtech.com>
tivoli-npm 1965/tcp  Tivoli NPM
tivoli-npm 1965/udp  Tivoli NPM
#                               Ivana Cuozzo <Ivana.Cuozzo@tivoli.com>
slush      1966/tcp  Slush
slush      1966/udp  Slush
#                               Damien Miller <damien@ibs.com.au>
sns-quote  1967/tcp  SNS Quote
sns-quote  1967/udp  SNS Quote
#                               Robert Ellman <rellman@calicotech.com>
lipsinc    1968/tcp  LIPSinc
lipsinc    1968/udp  LIPSinc
lipsincl   1969/tcp  LIPSinc 1
lipsincl   1969/udp  LIPSinc 1
#                               Robert Armington <rarmington@lipsinc.com>
netop-rc   1970/tcp  NetOp Remote Control

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netop-rc          1970/udp    NetOp Remote Control
netop-school     1971/tcp    NetOp School
netop-school     1971/udp    NetOp School
#               NetOp Technical Support <support@danware.dk>
intersys-cache   1972/tcp    Cache
intersys-cache   1972/udp    Cache
#               Mark Hanson <markh@intersys.com>
dlsrap          1973/tcp    Data Link Switching Remote Access Protocol
dlsrap          1973/udp    Data Link Switching Remote Access Protocol
#               Steve T. Chiang <schiang@cisco.com>
drp            1974/tcp    DRP
drp            1974/udp    DRP
#               Richard Alan Johnson <raj@cisco.com>
tcoflashagent   1975/tcp    TCO Flash Agent
tcoflashagent   1975/udp    TCO Flash Agent
tcoregagent     1976/tcp    TCO Reg Agent
tcoregagent     1976/udp    TCO Reg Agent
tcoaddressbook  1977/tcp    TCO Address Book
tcoaddressbook  1977/udp    TCO Address Book
#               Allan Panitch <allanp@tcosoft.com>
unisql         1978/tcp    UniSQL
unisql         1978/udp    UniSQL
unisql-java     1979/tcp    UniSQL Java
unisql-java     1979/udp    UniSQL Java
#               Keith Yarbrough <kyarbro@windtraveller.com>
pearldoc-xact   1980/tcp    PearlDoc XACT
pearldoc-xact   1980/udp    PearlDoc XACT
#               Chris Vertonghen <chrisv@pearldoc.com>
p2pq           1981/tcp    p2pQ
p2pq           1981/udp    p2pQ
#               Warren Alexander <warren@chameleon-creative.co.uk>
estamp         1982/tcp    Evidentiary Timestamp
estamp         1982/udp    Evidentiary Timestamp
#               Todd Glassey <todd.glassey@att.net>
lhttp         1983/tcp    Loophole Test Protocol
lhttp         1983/udp    Loophole Test Protocol
#               Kade Hansson <kade_fh@postoffice.utas.edu.au>
bb            1984/tcp    BB
bb            1984/udp    BB
#               Sean MacGuire <sean@maclawran.ca>
hsrp          1985/tcp    Hot Standby Router Protocol
hsrp          1985/udp    Hot Standby Router Protocol
#               Phil Morton <pmorton@cisco.com>
licensedaemon  1986/tcp    cisco license management
licensedaemon  1986/udp    cisco license management
tr-rsrp-p1     1987/tcp    cisco RSRB Priority 1 port
tr-rsrp-p1     1987/udp    cisco RSRB Priority 1 port
tr-rsrp-p2     1988/tcp    cisco RSRB Priority 2 port
tr-rsrp-p2     1988/udp    cisco RSRB Priority 2 port
tr-rsrp-p3     1989/tcp    cisco RSRB Priority 3 port
tr-rsrp-p3     1989/udp    cisco RSRB Priority 3 port
# The following entry records an unassigned but widespread use
mshnet        1989/tcp    MHSnet system
mshnet        1989/udp    MHSnet system
#               Bob Kummerfeld <bob@sarad.cs.su.oz.au>
stun-p1       1990/tcp    cisco STUN Priority 1 port
stun-p1       1990/udp    cisco STUN Priority 1 port

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stun-p2          1991/tcp    cisco STUN Priority 2 port
stun-p2          1991/udp    cisco STUN Priority 2 port
stun-p3          1992/tcp    cisco STUN Priority 3 port
stun-p3          1992/udp    cisco STUN Priority 3 port
# The following entry records an unassigned but widespread use
ipsendmsg        1992/tcp    IPsendmsg
ipsendmsg        1992/udp    IPsendmsg
#
snmp-tcp-port    1993/tcp    cisco SNMP TCP port
snmp-tcp-port    1993/udp    cisco SNMP TCP port
stun-port        1994/tcp    cisco serial tunnel port
stun-port        1994/udp    cisco serial tunnel port
perf-port        1995/tcp    cisco perf port
perf-port        1995/udp    cisco perf port
tr-rsrb-port     1996/tcp    cisco Remote SRB port
tr-rsrb-port     1996/udp    cisco Remote SRB port
gdp-port         1997/tcp    cisco Gateway Discovery Protocol
gdp-port         1997/udp    cisco Gateway Discovery Protocol
x25-svc-port     1998/tcp    cisco X.25 service (XOT)
x25-svc-port     1998/udp    cisco X.25 service (XOT)
tcp-id-port      1999/tcp    cisco identification port
tcp-id-port      1999/udp    cisco identification port
#
cisco-sccp       2000/tcp    Cisco SCCP
cisco-sccp       2000/udp    Cisco SCCP
#
dc               2001/tcp
wizard           2001/udp    curry
globe            2002/tcp
globe            2002/udp
#               2003      Unassigned
mailbox          2004/tcp
emce             2004/udp    CCWS mm conf
berknet          2005/tcp
oracle           2005/udp
invokator        2006/tcp
raid-cd          2006/udp    raid
dectalk          2007/tcp
raid-am          2007/udp
conf             2008/tcp
terminaldb       2008/udp
news             2009/tcp
whosockami       2009/udp
search           2010/tcp
pipe_server      2010/udp
raid-cc          2011/tcp    raid
servserv         2011/udp
ttyinfo          2012/tcp
raid-ac          2012/udp
raid-am          2013/tcp
raid-cd          2013/udp
troff            2014/tcp
raid-sf          2014/udp
cypress          2015/tcp
raid-cs          2015/udp
bootserver       2016/tcp
bootserver       2016/udp

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cypress-stat	2017/tcp	
bootclient	2017/udp	
terminaldb	2018/tcp	
rellpack	2018/udp	
whosockami	2019/tcp	
about	2019/udp	
xinupageserver	2020/tcp	
xinupageserver	2020/udp	
servexec	2021/tcp	
xinuexpansion1	2021/udp	
down	2022/tcp	
xinuexpansion2	2022/udp	
xinuexpansion3	2023/tcp	
xinuexpansion3	2023/udp	
xinuexpansion4	2024/tcp	
xinuexpansion4	2024/udp	
ellpack	2025/tcp	
xribs	2025/udp	
scrabble	2026/tcp	
scrabble	2026/udp	
shadowserver	2027/tcp	
shadowserver	2027/udp	
submitserver	2028/tcp	
submitserver	2028/udp	
hsrpv6	2029/tcp	Hot Standby Router Protocol IPv6
hsrpv6	2029/udp	Hot Standby Router Protocol IPv6
#		Ian Wilson <hsrp-info@cisco.com> November 2004
device2	2030/tcp	
device2	2030/udp	
mobrien-chat	2031/tcp	mobrien-chat
mobrien-chat	2031/udp	mobrien-chat
#		Mike O'Brien <mike@mobrien.com> November 2004
blackboard	2032/tcp	
blackboard	2032/udp	
glogger	2033/tcp	
glogger	2033/udp	
scoremgr	2034/tcp	
scoremgr	2034/udp	
imsldoc	2035/tcp	
imsldoc	2035/udp	
#		
e-dpnet	2036/tcp	Ethernet WS DP network
e-dpnet	2036/udp	Ethernet WS DP network
#		Peter Kaefer <kaefer.peter@westfalia.com> August
2005		
p2plus	2037/tcp	P2plus Application Server
p2plus	2037/udp	P2plus Application Server
#		Thomas Boerkel <tb@ap-ag.com>
objectmanager	2038/tcp	
objectmanager	2038/udp	
#		
prizma	2039/tcp	Prizma Monitoring Service
prizma	2039/udp	Prizma Monitoring Service
#		Dotan Ofek <dotan.ofek@prizmasoft.com> December 2005
lam	2040/tcp	
lam	2040/udp	
interbase	2041/tcp	

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interbase 2041/udp
isis      2042/tcp   isis
isis      2042/udp   isis
isis-bcast 2043/tcp   isis-bcast
isis-bcast 2043/udp   isis-bcast
#
#                               Ken Chapman <kchapman@isis.com>
rimsl     2044/tcp
rimsl     2044/udp
cdfunc    2045/tcp
cdfunc    2045/udp
sdfunc    2046/tcp
sdfunc    2046/udp
dls       2047/tcp
dls       2047/udp
dls-monitor 2048/tcp
dls-monitor 2048/udp
#
#                               <== NOTE Conflict on 2049 !
shilp     2049/tcp
shilp     2049/udp
nfs       2049/tcp   Network File System - Sun Microsystems
nfs       2049/udp   Network File System - Sun Microsystems
#
#                               Brent Callaghan <brent@terra.eng.sun.com>
av-emb-config 2050/tcp   Avaya EMB Config Port
av-emb-config 2050/udp   Avaya EMB Config Port
#
#                               John Yeager <johneyeager@avaya.com>
epnsdp    2051/tcp   EPNSDP
epnsdp    2051/udp   EPNSDP
#
#                               Hiroyasu Ogata <Ogata.Hiroyasu@exc.epson.co.jp>
clearvisn 2052/tcp   clearVisn Services Port
clearvisn 2052/udp   clearVisn Services Port
#
#                               Dave Lyons <dlyons@dnpg.com>
lot105-ds-upd 2053/tcp   Lot105 DSuper Updates
lot105-ds-upd 2053/udp   Lot105 DSuper Updates
#
#                               Piers Scannell <iana-form@lot105.com>
weblogin  2054/tcp   Weblogin Port
weblogin  2054/udp   Weblogin Port
#
#                               Diego Saravia <dsa@unsa.edu.ar>
iop       2055/tcp   Iliad-Odyssey Protocol
iop       2055/udp   Iliad-Odyssey Protocol
#
#                               Bruce Lueckenhoff <brucelu@cisco.com>
omnisky   2056/tcp   OmniSky Port
omnisky   2056/udp   OmniSky Port
#
#                               Oren Hurvitz <oren@omnisky.com>
rich-cp   2057/tcp   Rich Content Protocol
rich-cp   2057/udp   Rich Content Protocol
#
#                               Ronen Vainish <ronen@digitalfountain.com>
newwavesearch 2058/tcp   NewWaveSearchables RMI
newwavesearch 2058/udp   NewWaveSearchables RMI
#
#                               Thomas Kerkau <Thomas.Kerkau@io-software.com>
bmc-messaging 2059/tcp   BMC Messaging Service
bmc-messaging 2059/udp   BMC Messaging Service
#
#                               Portnoy Boxman <portnoy_boxman@bmc.com>
teleniumdaemon 2060/tcp   Telenium Daemon IF
teleniumdaemon 2060/udp   Telenium Daemon IF
#
#                               Nick Woronuk <nick.woronuk@megasys.com>
netmount  2061/tcp   NetMount
netmount  2061/udp   NetMount

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# Alex Oberlander <alexo@netmount.com>
icg-swp 2062/tcp ICG SWP Port
icg-swp 2062/udp ICG SWP Port
icg-bridge 2063/tcp ICG Bridge Port
icg-bridge 2063/udp ICG Bridge Port
icg-iprelay 2064/tcp ICG IP Relay Port
icg-iprelay 2064/udp ICG IP Relay Port
# Steve Quintana <steve@icgresearch.com>
dlsrpn 2065/tcp Data Link Switch Read Port Number
dlsrpn 2065/udp Data Link Switch Read Port Number
# Amir Peless <amirp@radware.co.il>
aura 2066/tcp AVM USB Remote Architecture
aura 2066/udp AVM USB Remote Architecture
# Diego Friedel <d.friedel@avm.de> March 2006
dlsrpn 2067/tcp Data Link Switch Write Port Number
dlsrpn 2067/udp Data Link Switch Write Port Number
# Amir Peless <amirp@radware.co.il>
avauthsrvprtcl 2068/tcp Avocent AuthSrv Protocol
avauthsrvprtcl 2068/udp Avocent AuthSrv Protocol
# Steven W. Clark <sclark@equinox.com>
event-port 2069/tcp HTTP Event Port
event-port 2069/udp HTTP Event Port
# Larry Emlich <larry.emlich@compaq.com>
ah-esp-encap 2070/tcp AH and ESP Encapsulated in UDP packet
ah-esp-encap 2070/udp AH and ESP Encapsulated in UDP packet
# Amy Weaver <aweaver@vpnet.com>
acp-port 2071/tcp Axon Control Protocol
acp-port 2071/udp Axon Control Protocol
# Christiaan Simons <christiaan.simons@axon.nl>
msync 2072/tcp GlobeCast mSync
msync 2072/udp GlobeCast mSync
# Piers Scannell <piers@globecastne.com>
gxs-data-port 2073/tcp DataReel Database Socket
gxs-data-port 2073/udp DataReel Database Socket
# Douglas M. Gaer <doug@datareel.com>
vrtl-vmf-sa 2074/tcp Vertel VMF SA
vrtl-vmf-sa 2074/udp Vertel VMF SA
# Alan Akahoshi <alan-akahoshi@vertel.com>
newlixengine 2075/tcp Newlix ServerWare Engine
newlixengine 2075/udp Newlix ServerWare Engine
newlixconfig 2076/tcp Newlix JSPConfig
newlixconfig 2076/udp Newlix JSPConfig
# Jean-Serge Gagnon <jean-serge.gagnon@newlix.com>
tsrmagt 2077/tcp Old Tivoli Storage Manager
tsrmagt 2077/udp Old Tivoli Storage Manager
tpcsrvr 2078/tcp IBM Total Productivity Center Server
tpcsrvr 2078/udp IBM Total Productivity Center Server
# Justin R. Bendich <jbendich@us.ibm.com>
idware-router 2079/tcp IDWARE Router Port
idware-router 2079/udp IDWARE Router Port
# Zdenek Kolba <zdenek.kolba@id-karta.cz>
autodesk-nlm 2080/tcp Autodesk NLM (FLEXlm)
autodesk-nlm 2080/udp Autodesk NLM (FLEXlm)
# Greg Suppes <greg.suppes@autodesk.com>
kme-trap-port 2081/tcp KME PRINTER TRAP PORT
kme-trap-port 2081/udp KME PRINTER TRAP PORT
# Masakatsu Matsuo <masa@sdsft.kme.mei.co.jp>

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infowave      2082/tcp    Infowave Mobility Server
infowave      2082/udp    Infowave Mobiltiy Server
#
radsec        2083/tcp    Secure Radius Service
radsec        2083/udp    Secure Radius Service
#
sunclustergeo 2084/tcp    SunCluster Geographic
sunclustergeo 2084/udp    SunCluster Geographic
#
ada-cip       2085/tcp    ADA Control
ada-cip       2085/udp    ADA Control
#
gnunet        2086/tcp    GNUnet
gnunet        2086/udp    GNUnet
#
2002
eli           2087/tcp    ELI - Event Logging Integration
eli           2087/udp    ELI - Event Logging Integration
#
ip-blf        2088/tcp    IP Busy Lamp Field
ip-blf        2088/udp    IP Busy Lamp Field
#
sep           2089/tcp    Security Encapsulation Protocol - SEP
sep           2089/udp    Security Encapsulation Protocol - SEP
#
lrp           2090/tcp    Load Report Protocol
lrp           2090/udp    Load Report Protocol
#
prp           2091/tcp    PRP
prp           2091/udp    PRP
#
descent3      2092/tcp    Descent 3
descent3      2092/udp    Descent 3
#
nbx-cc        2093/tcp    NBX CC
nbx-cc        2093/udp    NBX CC
nbx-au        2094/tcp    NBX AU
nbx-au        2094/udp    NBX AU
nbx-ser       2095/tcp    NBX SER
nbx-ser       2095/udp    NBX SER
nbx-dir       2096/tcp    NBX DIR
nbx-dir       2096/udp    NBX DIR
#
jetformpreview 2097/tcp    Jet Form Preview
jetformpreview 2097/udp    Jet Form Preview
#
dialog-port   2098/tcp    Dialog Port
dialog-port   2098/udp    Dialog Port
#
h2250-annex-g 2099/tcp    H.225.0 Annex G
h2250-annex-g 2099/udp    H.225.0 Annex G
#
amiganetfs    2100/tcp    Amiga Network Filesystem
amiganetfs    2100/udp    Amiga Network Filesystem
#
rtcm-sc104    2101/tcp    rtcm-sc104
rtcm-sc104    2101/udp    rtcm-sc104

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#                               Wolfgang Rupperecht <wolfgang@wsrcc.com>
zephyr-srv      2102/tcp      Zephyr server
zephyr-srv      2102/udp      Zephyr server
zephyr-clt      2103/tcp      Zephyr serv-hm connection
zephyr-clt      2103/udp      Zephyr serv-hm connection
zephyr-hm       2104/tcp      Zephyr hostmanager
zephyr-hm       2104/udp      Zephyr hostmanager
#                               Greg Hudson <zephyr-bugs@mit.edu>
minipay         2105/tcp      MiniPay
minipay         2105/udp      MiniPay
#                               Amir Herzberg <amirh@vnet.ibm.com>
mzap           2106/tcp      MZAP
mzap           2106/udp      MZAP
#                               Dave Thaler <dthaler@microsoft.com>
bintec-admin    2107/tcp      BinTec Admin
bintec-admin    2107/udp      BinTec Admin
#                               Thomas Schmidt <ts@bintec.de>
comcam         2108/tcp      Comcam
comcam         2108/udp      Comcam
#                               Don Gilbreath <don@comcam.net>
ergolight       2109/tcp      Ergolight
ergolight       2109/udp      Ergolight
#                               Jindra Ryvola <jryvola@ledalite.com>
umsp           2110/tcp      UMSP
umsp           2110/udp      UMSP
#                               Alexander Bogdanov <alexander_bgd@softhome.net>
dsatp          2111/tcp      DSATP
dsatp          2111/udp      DSATP
#                               Ralph Beck <beck@altaworks.com>
idonix-met Janet 2112/tcp      Idonix MetaNet
idonix-met Janet 2112/udp      Idonix MetaNet
#                               Paul Harrison <paulh@idonix.co.uk>
hsl-storm      2113/tcp      HSL StoRM
hsl-storm      2113/udp      HSL StoRM
#                               Jost Faganel <jost.faganel@hermes.si>
newheights     2114/tcp      NEWHEIGHTS
newheights     2114/udp      NEWHEIGHTS
#                               Michael Levy <ml@nh.ca>
kdm            2115/tcp      Key Distribution Manager
kdm            2115/udp      Key Distribution Manager
#                               Mike Little <mike.little@GDC4S.com>
ccowcmr        2116/tcp      CCOWCMR
ccowcmr        2116/udp      CCOWCMR
#                               Mark Morwood <markm@sentillion.com>
mentaclient     2117/tcp      MENTACLIENT
mentaclient     2117/udp      MENTACLIENT
mentaserver     2118/tcp      MENTASERVER
mentaserver     2118/udp      MENTASERVER
#                               Ilan Shlosberg <ilan@mentasoftware.com>
gsigatekeeper  2119/tcp      GSIGATEKEEPER
gsigatekeeper  2119/udp      GSIGATEKEEPER
#                               Steve Tuecke <tuecke@mcs.anl.gov>
qencp          2120/tcp      Quick Eagle Networks CP
qencp          2120/udp      Quick Eagle Networks CP
#                               Santa Dasu <Santa_Dasu@quickeagle.com>
scientia-ssdb  2121/tcp      SCIENTIA-SSDB
scientia-ssdb  2121/udp      SCIENTIA-SSDB

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# SYSTEMS MANAGER <systems-manager@scientia.com>
caupc-remote 2122/tcp CauPC Remote Control
caupc-remote 2122/udp CauPC Remote Control
# Environics Oy <pasi.nuutinmaki@environics.fi>
gtp-control 2123/tcp GTP-Control Plane (3GPP)
gtp-control 2123/udp GTP-Control Plane (3GPP)
# Alessio Casati <a.casati@computer.org>
elatelink 2124/tcp ELATELINK
elatelink 2124/udp ELATELINK
# Tim Lawrence <lawrence@tao-group.com>
lockstep 2125/tcp LOCKSTEP
lockstep 2125/udp LOCKSTEP
# Karl Forster <kforster@lockstep.com>
pktcable-cops 2126/tcp PktCable-COPS
pktcable-cops 2126/udp PktCable-COPS
# Glenn Russell <grussell@cablelabs.com>
index-pc-wb 2127/tcp INDEX-PC-WB
index-pc-wb 2127/udp INDEX-PC-WB
# James David Fisher <jfisher1@avaya.com>
net-steward 2128/tcp Net Steward Control
net-steward 2128/udp Net Steward Control
# Martin Norman <martin@ndl.co.uk>
cs-live 2129/tcp cs-live.com
cs-live 2129/udp cs-live.com
# Matt Lachance <matt@cs-live.com>
xds 2130/tcp XDS
xds 2130/udp XDS
# Peter Zurich <pbz@Lowpft.com>
avantageb2b 2131/tcp Avantageb2b
avantageb2b 2131/udp Avantageb2b
# Avi Software <srobert@logava.com>
solera-epmap 2132/tcp SoleraTec End Point Map
solera-epmap 2132/udp SoleraTec End Point Map
# Mark Armstrong <Mark.Armstrong@SoleraTec.com>
zymed-zpp 2133/tcp ZYMED-ZPP
zymed-zpp 2133/udp ZYMED-ZPP
# Gregg Welker <greggw@zmi.com>
avenue 2134/tcp AVENUE
avenue 2134/udp AVENUE
# Jason Cater <jason@ncsmags.com>
gris 2135/tcp Grid Resource Information Server
gris 2135/udp Grid Resource Information Server
# Steve Tuecke <tuecke@mcs.anl.gov>
appworxsrvt 2136/tcp APPWORXSRV
appworxsrvt 2136/udp APPWORXSRV
# Fred McLain <fmclain@appworx.com>
connect 2137/tcp CONNECT
connect 2137/udp CONNECT
# Reid Ligon <reid@connectrf.com>
unbind-cluster 2138/tcp UNBIND-CLUSTER
unbind-cluster 2138/udp UNBIND-CLUSTER
# Francois Harvey <securiweb@pandore.qc.ca>
ias-auth 2139/tcp IAS-AUTH
ias-auth 2139/udp IAS-AUTH
ias-reg 2140/tcp IAS-REG
ias-reg 2140/udp IAS-REG
ias-admind 2141/tcp IAS-ADMIND

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ias-adminid      2141/udp    IAS-ADMIND
#               Baiju V. Patel <Baiju.v.patel@intel.com>
tdmoip          2142/tcp    TDM OVER IP
tdmoip          2142/udp    TDM OVER IP
#               RFC-ietf-pwe3-tdmoip-06.txt
lv-jc           2143/tcp    Live Vault Job Control
lv-jc           2143/udp    Live Vault Job Control
lv-ffx         2144/tcp    Live Vault Fast Object Transfer
lv-ffx         2144/udp    Live Vault Fast Object Transfer
lv-pici        2145/tcp    Live Vault Remote Diagnostic Console Support
lv-pici        2145/udp    Live Vault Remote Diagnostic Console Support
lv-not         2146/tcp    Live Vault Admin Event Notification
lv-not         2146/udp    Live Vault Admin Event Notification
lv-auth        2147/tcp    Live Vault Authentication
lv-auth        2147/udp    Live Vault Authentication
#               Ted Hess <thess@livevault.com>
veritas-ucl    2148/tcp    VERITAS UNIVERSAL COMMUNICATION LAYER
veritas-ucl    2148/udp    VERITAS UNIVERSAL COMMUNICATION LAYER
#               Songlin Ren <ren@veritas.com>
acptsys        2149/tcp    ACPTSYS
acptsys        2149/udp    ACPTSYS
#               Michael Lekias <admin@psdesign.com.au>
dynamic3d      2150/tcp    DYNAMIC3D
dynamic3d      2150/udp    DYNAMIC3D
#               Tobias Wegner <wegner@novagate.de>
docent         2151/tcp    DOCENT
docent         2151/udp    DOCENT
#               Hali Lindbloom <halil@docent.com>
gtp-user       2152/tcp    GTP-User Plane (3GPP)
gtp-user       2152/udp    GTP-User Plane (3GPP)
#               Alessio Casati <a.casati@computer.org>
#               2153-2158 Unassigned
gdbremote      2159/tcp    GDB Remote Debug Port
gdbremote      2159/udp    GDB Remote Debug Port
#               Nigel Stephens <nigel@algor.co.uk>
apc-2160       2160/tcp    APC 2160
apc-2160       2160/udp    APC 2160
#               American Power Conversion <ports@apcc.com>
apc-2161       2161/tcp    APC 2161
apc-2161       2161/udp    APC 2161
#               American Power Conversion <ports@apcc.com>
navisphere     2162/tcp    Navisphere
navisphere     2162/udp    Navisphere
navisphere-sec 2163/tcp    Navisphere Secure
navisphere-sec 2163/udp    Navisphere Secure
#               Andreas Bauer <bauer_andreas@emc.com>
ddns-v3        2164/tcp    Dynamic DNS Version 3
ddns-v3        2164/udp    Dynamic DNS Version 3
#               Alan Yates <alany@ay.com.au>
x-bone-api     2165/tcp    X-Bone API
x-bone-api     2165/udp    X-Bone API
#               Joe Touch <touch@isi.edu>
iwserver       2166/tcp    iwserver
iwserver       2166/udp    iwserver
#               Fred Surr <quest_iana@oz.quest.com>
raw-serial     2167/tcp    Raw Async Serial Link
raw-serial     2167/udp    Raw Async Serial Link

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# Benjamin Green <ben@lh.co.nz>
easy-soft-mux 2168/tcp easy-soft Multiplexer
easy-soft-mux 2168/udp easy-soft Multiplexer
# Norbert Kintzler <NKintzler@easy-soft-dresden.de>
November 2004
brain 2169/tcp Backbone for Academic Information Notification
(BRAIN)
brain 2169/udp Backbone for Academic Information Notification
(BRAIN)
# Archishmat Gore <archisgore@yahoo.com> November 2004
eyetv 2170/tcp EyeTV Server Port
eyetv 2170/udp EyeTV Server Port
# Elgato Systems <portinfo@elgato.com> November 2004
msfw-storage 2171/tcp MS Firewall Storage
msfw-storage 2171/udp MS Firewall Storage
msfw-s-storage 2172/tcp MS Firewall SecureStorage
msfw-s-storage 2172/udp MS Firewall SecureStorage
msfw-replica 2173/tcp MS Firewall Replication
msfw-replica 2173/udp MS Firewall Replication
msfw-array 2174/tcp MS Firewall Intra Array
msfw-array 2174/udp MS Firewall Intra Array
# Itai Greenberg <itaig@microsoft.com> November 2004
airsync 2175/tcp Microsoft Desktop AirSync Protocol
airsync 2175/udp Microsoft Desktop AirSync Protocol
rapi 2176/tcp Microsoft ActiveSync Remote API
rapi 2176/udp Microsoft ActiveSync Remote API
# Jon Xu <jonxu@microsoft.com> August 2005
qwave 2177/tcp qWAVE Bandwidth Estimate
qwave 2177/udp qWAVE Bandwidth Estimate
# Gabe Frost <gfrost@microsoft.com> August 2005
bitspeer 2178/tcp Peer Services for BITS
bitspeer 2178/udp Peer Services for BITS
# Jeff Roberts <jroberts@microsoft.com> November 2005
# 2179 Unassigned
mc-gt-srv 2180/tcp Millicent Vendor Gateway Server
mc-gt-srv 2180/udp Millicent Vendor Gateway Server
# Steve Glassman <steveg@pa.dec.com>
eforward 2181/tcp eforward
eforward 2181/udp eforward
# Greg Pringle <admin@corvedia.com>
cgn-stat 2182/tcp CGN status
cgn-stat 2182/udp CGN status
cgn-config 2183/tcp Code Green configuration
cgn-config 2183/udp Code Green configuration
# Chris Michaelson <chris@codegreennetworks.com>
August 2005
nvd 2184/tcp NVD User
nvd 2184/udp NVD User
# Yves Gattegno <iana@qualysystem.org> December 2004
onbase-dds 2185/tcp OnBase Distributed Disk Services
onbase-dds 2185/udp OnBase Distributed Disk Services
# Paul Tam <ianaportmaster@onbase.com> December 2004
# 2186-2189 Unassigned
tivoconnect 2190/tcp TiVoConnect Beacon
tivoconnect 2190/udp TiVoConnect Beacon
# Jeffrey J. Peters <jpeters@tivo.com> August 2002
tvbus 2191/tcp TvBus Messaging

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tvbus	2191/udp	TvBus Messaging
#		Brian W. Beach <brian@tivo.com> January 2003
asdis	2192/tcp	ASDIS software management
asdis	2192/udp	ASDIS software management
#		ASDIS Support <support@asdis.de> August 2005
#	2193-2196	Unassigned
mnp-exchange	2197/tcp	MNP data exchange
mnp-exchange	2197/udp	MNP data exchange
#		Peter Pramberger <peter.pramberger@telering.co.at>
November 2004		
onehome-remote	2198/tcp	OneHome Remote Access
onehome-remote	2198/udp	OneHome Remote Access
onehome-help	2199/tcp	OneHome Service Port
onehome-help	2199/udp	OneHome Service Port
#		Jim Herman <jherman@homelogic.com> August 2005
ici	2200/tcp	ICI
ici	2200/udp	ICI
#		Brent Hines <brent.hines@unisys.com>
ats	2201/tcp	Advanced Training System Program
ats	2201/udp	Advanced Training System Program
#		(Need contact info)
imtc-map	2202/tcp	Int. Multimedia Teleconferencing Consortium
imtc-map	2202/udp	Int. Multimedia Teleconferencing Consortium
#		Pat Galvin <pgalvin@databeam.com>
b2-runtime	2203/tcp	b2 Runtime Protocol
b2-runtime	2203/udp	b2 Runtime Protocol
b2-license	2204/tcp	b2 License Server
b2-license	2204/udp	b2 License Server
#		Helge-Frank Zimpel <helge.zimpel@baeurer.de> January 2006
jps	2205/tcp	Java Presentation Server
jps	2205/udp	Java Presentation Server
#		Leif Jakob <leif+iana@cube.ch> January 2006
hpocbus	2206/tcp	HP OpenCall bus
hpocbus	2206/udp	HP OpenCall bus
#		Jerome Forissier <Jerome.Forissier@hp.com> December
2005		
hpssd	2207/tcp	HP Status and Services
hpssd	2207/udp	HP Status and Services
#		Donald Welch <donald.welch@hp.com> May 2006
hpiod	2208/tcp	HP I/O Backend
hpiod	2208/udp	HP I/O Backend
#		David Suffield <david.suffield@hp.com> May 2006
#	2209-2212	Unassigned
kali	2213/tcp	Kali
kali	2213/udp	Kali
#		Jay Cotton <JAY@calc.vet.uga.edu>
rpi	2214/tcp	RDQ Protocol Interface
rpi	2214/udp	RDQ Protocol Interface
#		Les Mather <lm@remsdaq.com> December 2005
ipcore	2215/tcp	IPCore.co.za GPRS
ipcore	2215/udp	IPCore.co.za GPRS
#		Administrator <admin@ipcore.co.za> December 2005
vtu-comms	2216/tcp	VTU data service
vtu-comms	2216/udp	VTU data service
#		David Barrass <dbarrass@bartecautoid.com> January 2006
gotodevice	2217/tcp	GoToDevice Device Management
gotodevice	2217/udp	GoToDevice Device Management

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#           John Lisek <jl@gotodevice.com> January 2006
bounzza    2218/tcp    Bounzza IRC Proxy
bounzza    2218/udp    Bounzza IRC Proxy
#           Danko Alexeyev <virtuall@virtuall.info> February 2006
netiq-ncap 2219/tcp    NetIQ NCAP Protocol
netiq-ncap 2219/udp    NetIQ NCAP Protocol
#           Roger Huebner <Roger.Huebner@netiq.com> January 2006
netiq      2220/tcp    NetIQ End2End
netiq      2220/udp    NetIQ End2End
#           Gary Weichinger <gary.weichinger@netiq.com>
rockwell-csp1 2221/tcp    Rockwell CSP1
rockwell-csp1 2221/udp    Rockwell CSP1
rockwell-csp2 2222/tcp    Rockwell CSP2
rockwell-csp2 2222/udp    Rockwell CSP2
rockwell-csp3 2223/tcp    Rockwell CSP3
rockwell-csp3 2223/udp    Rockwell CSP3
#           Brian Batke <babatke@ra.rockwell.com>
efi-mg      2224/tcp    Easy Flexible Internet/Multiplayer Games
efi-mg      2224/udp    Easy Flexible Internet/Multiplayer Games
#           Thomas Efer <mail@thomasefer.de> March 2006
rcip-itu    2225/tcp    Resource Connection Initiation Protocol
rcip-itu    2225/sctp  Resource Connection Initiation Protocol
#           ITU TSB, Place des Nations, CH-1211 Geneva 20
<tsbmail@itu.int> June 2006
di-drm      2226/tcp    Digital Instinct DRM
di-drm      2226/udp    Digital Instinct DRM
di-msg      2227/tcp    DI Messaging Service
di-msg      2227/udp    DI Messaging Service
#           Sean Ni <seanni@digitalinstinct.com.tw> February 2006
ehome-ms    2228/tcp    eHome Message Server
ehome-ms    2228/udp    eHome Message Server
#           Peter Gabriel <peter.gabriel@ims.fraunhofer.de> January
2006
datalens    2229/tcp    DataLens Service
datalens    2229/udp    DataLens Service
#           Christopher Bidwell <cbidwell@silvercreeksystems.com>
February 2006
queueadm    2230/tcp    MetaSoft Job Queue Administration Service
queueadm    2230/udp    MetaSoft Job Queue Administration Service
#           Ilya Melamed <ilya77@gmail.com> June 2006
wimaxasn    2231/tcp    WiMAX ASN Control Plane Protocol
wimaxasn    2231/udp    WiMAX ASN Control Plane Protocol
#           Prakash Iyer <prakash.iyer@intel.com> June 2006
ivs-video   2232/tcp    IVS Video default
ivs-video   2232/udp    IVS Video default
#           Thierry Turletti <Thierry.Turletti@sophia.inria.fr>
infocrypt   2233/tcp    INFOCRYPT
infocrypt   2233/udp    INFOCRYPT
#           Erica Liu <liue@isolation.com>
directplay  2234/tcp    DirectPlay
directplay  2234/udp    DirectPlay
#           Ajay Jindal <ajayj@microsoft.com>
sercomm-wlink 2235/tcp    Sercomm-WLink
sercomm-wlink 2235/udp    Sercomm-WLink
#           Melinda Tsao <melinda@tpel.sercomm.com.tw>
nani        2236/tcp    Nani
nani        2236/udp    Nani

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#           Steve Benoit <sbenoi01@eng.eds.com>
optech-port1-lm 2237/tcp  Optech Port1 License Manager
optech-port1-lm 2237/udp  Optech Port1 License Manager
#           Gerard Cannie <jcannie@opticaltech.com>
aviva-sna 2238/tcp  AVIVA SNA SERVER
aviva-sna 2238/udp  AVIVA SNA SERVER
#           Vick Keshishian <vickenK@192.219.82.71>
imagequery 2239/tcp  Image Query
imagequery 2239/udp  Image Query
#           Charles Jacobs <cjacobs@numinous.com>
recipe 2240/tcp  RECIPE
recipe 2240/udp  RECIPE
#           Charlie Limoges <Charlie.Limoges@GDC4S.com>
ivsd 2241/tcp  IVS Daemon
ivsd 2241/udp  IVS Daemon
#           Thierry Turletti
#           <Thierry.Turletti@sophia.inria.fr>
foliocorp 2242/tcp  Folio Remote Server
foliocorp 2242/udp  Folio Remote Server
#           Pat Mcgowan <pmcgowan@folio.com>
magicom 2243/tcp  Magicom Protocol
magicom 2243/udp  Magicom Protocol
#           Yossi Appleboum <yossia@magicom.co.il>
nmsserver 2244/tcp  NMS Server
nmsserver 2244/udp  NMS Server
#           Dmitry Krasnonosenkikh
#           <Dmitry_Krasnonosenkikh@nmss.com>
hao 2245/tcp  HaO
hao 2245/udp  HaO
#           Panic Ride <panicride@hao.org>
pc-mta-addrmap 2246/tcp  PacketCable MTA Addr Map
pc-mta-addrmap 2246/udp  PacketCable MTA Addr Map
#           Dave Maxwell <d.maxwell@cablelabs.com>
antidotemgrsvr 2247/tcp  Antidote Deployment Manager Service
antidotemgrsvr 2247/udp  Antidote Deployment Manager Service
#           Rod Waltermann <walterma@us.lenovo.com> February 2006
ums 2248/tcp  User Management Service
ums 2248/udp  User Management Service
#           Andrew Crockford
#           <andrew.crockford@modus-interactive.co.uk>
rfmp 2249/tcp  RISO File Manager Protocol
rfmp 2249/udp  RISO File Manager Protocol
#           Shinji Yamanaka <syamanaka@jci.co.jp>
remote-collab 2250/tcp  remote-collab
remote-collab 2250/udp  remote-collab
#           Richard Walters <walters@cs.ucdavis.edu>
dif-port 2251/tcp  Distributed Framework Port
dif-port 2251/udp  Distributed Framework Port
#           Sebastien Lambla <lambla@bouygtel.com>
njenet-ssl 2252/tcp  NJENET using SSL
njenet-ssl 2252/udp  NJENET using SSL
#           Hans U Schmidt <schmidth@de.ibm.com>
dtv-chan-req 2253/tcp  DTV Channel Request
dtv-chan-req 2253/udp  DTV Channel Request
#           Richard Hodges <rh@matriplex.com>
seispoc 2254/tcp  Seismic P.O.C. Port
seispoc 2254/udp  Seismic P.O.C. Port

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#                               Robert Reimiller <bob@certsoft.com>
vrtp                2255/tcp    VRTP - ViRtue Transfer Protocol
vrtp                2255/udp    VRTP - ViRtue Transfer Protocol
#                               Max Fudim <fudim@virtue3d.com>
pcc-mfp            2256/tcp    PCC MFP
pcc-mfp            2256/udp    PCC MFP
#                               Kunihiko Morota <morota.kunihiko@jp.panasonic.com>
August 2005
simple-tx-rx        2257/tcp    simple text/file transfer
simple-tx-rx        2257/udp    simple text/file transfer
#                               Daniel Kilsdonk <dan@prospeed.net> August 2006
rcts                2258/tcp    Rotorcraft Communications Test System
rcts                2258/udp    Rotorcraft Communications Test System
#                               Terry Eldridge <eldridge.consulting@earthlink.net> August
2006
acd-pm             2259/tcp    Accedian Performance Measurement
acd-pm             2259/udp    Accedian Performance Measurement
#                               Claude Robitaille <clauder@accedian.com> August 2006
apc-2260           2260/tcp    APC 2260
apc-2260           2260/udp    APC 2260
#                               American Power Conversion <ports@apcc.com> February
2002
comotionmaster     2261/tcp    CoMotion Master Server
comotionmaster     2261/udp    CoMotion Master Server
comotionback       2262/tcp    CoMotion Backup Server
comotionback       2262/udp    CoMotion Backup Server
#                               Friedman Wagner-Dobler <Friedman.Wagner-
Dobler@gdc4s.com> September 2005
ecwcfg             2263/tcp    ECweb Configuration Service
ecwcfg             2263/udp    ECweb Configuration Service
#                               Anders Hjelm <anders.hjelm@ec.se> March 2006
apx500api-1        2264/tcp    Audio Precision Apx500 API Port 1
apx500api-1        2264/udp    Audio Precision Apx500 API Port 1
apx500api-2        2265/tcp    Audio Precision Apx500 API Port 2
apx500api-2        2265/udp    Audio Precision Apx500 API Port 2
#                               Robert Wright, Founder and Principal Engineer, Audio
Precision Inc.
#                               <ianaports@ap.com> May 2006
mfserver           2266/tcp    M-Files Server
mfserver           2266/udp    M-files Server
#                               Samppa Lahtinen <samppa.lahtinen@motivesys.com>,
June 2004
ontobroker         2267/tcp    OntoBroker
ontobroker         2267/udp    OntoBroker
#                               Dr. Michael Erdmann <erdmann@ontoprise.de> December
2004
amt                2268/tcp    AMT
amt                2268/udp    AMT
#                               Tom Pusateri <pusateri@juniper.net> December 2004
mikey              2269/tcp    MIKEY
mikey              2269/udp    MIKEY
#                               Karl Norrman <karl.norrman@ericsson.com> December
2004
starschool         2270/tcp    starSchool
starschool         2270/udp    starSchool
#                               Adam Ernst <cosmicsoft@cosmicsoft.net> December 2004
mmcals             2271/tcp    Secure Meeting Maker Scheduling

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mmcal	2271/udp	Secure Meeting Maker Scheduling
mmcal	2272/tcp	Meeting Maker Scheduling
mmcal	2272/udp	Meeting Maker Scheduling
#		Andrew H Derbyshire <ahd@meetingmaker.plus.kew.com>
December 2004		
mysql-im	2273/tcp	MySQL Instance Manager
mysql-im	2273/udp	MySQL Instance Manager
#		Petr Chardin <petr@mysql.com> December 2004
pcttunnell	2274/tcp	PCTTunneller
pcttunnell	2274/udp	PCTTunneller
#		ProControl Technology AB <info@pctworld.com>
December 2004		
ibridge-data	2275/tcp	iBridge Conferencing
ibridge-data	2275/udp	iBridge Conferencing
ibridge-mgmt	2276/tcp	iBridge Management
ibridge-mgmt	2276/udp	iBridge Management
#		Patrick Fisher <pfisher@hns.com> December 2004
bluectrlproxy	2277/tcp	Bt device control proxy
bluectrlproxy	2277/udp	Bt device control proxy
#		Mark de Rooi <derooi@xs4all.nl> December 2004
s3db	2278/tcp	Simple Stacked Sequences Database
s3db	2278/udp	Simple Stacked Sequences Database
#		David Brandon <dade@smoolabs.net> August 2006
xmquery	2279/tcp	xmquery
xmquery	2279/udp	xmquery
#		Niels Christiansen <nchris@austin.ibm.com>
lnvpoller	2280/tcp	LNPOLLER
lnvpoller	2280/udp	LNPOLLER
lnvconsole	2281/tcp	LNVCONSOLE
lnvconsole	2281/udp	LNVCONSOLE
lnvalarm	2282/tcp	LINVALARM
lnvalarm	2282/udp	LINVALARM
lnvstatus	2283/tcp	LNVSTATUS
lnvstatus	2283/udp	LNVSTATUS
lnvmaps	2284/tcp	LNVMAPS
lnvmaps	2284/udp	LNVMAPS
lnvmailmon	2285/tcp	LNVMAILMON
lnvmailmon	2285/udp	LNVMAILMON
#		John Payne <jpayne@lotus.com>
nas-metering	2286/tcp	NAS-Metering
nas-metering	2286/udp	NAS-Metering
#		Steven Sawkins <ssawkins@symantec.com>
dna	2287/tcp	DNA
dna	2287/udp	DNA
#		Tung Nguyen <dash@ricochet.net>
netml	2288/tcp	NETML
netml	2288/udp	NETML
#		Jochen Hansmeyer <cjh@krypton.de>
dict-lookup	2289/tcp	Lookup dict server
dict-lookup	2289/udp	Lookup dict server
#		William Fernando Maton Sotomayor <wfms@acm.org>
January 2005		
sonus-logging	2290/tcp	Sonus Logging Services
sonus-logging	2290/udp	Sonus Logging Services
#		Adwait Sathe <asathe@sonusnet.com> August 2005
eapsp	2291/tcp	EPSON Advanced Printer Share Protocol
eapsp	2291/udp	EPSON Advanced Printer Share Protocol

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# SEIKO EPSON <APD.admin@exc.epson.co.jp> June 2006
mib-streaming 2292/tcp Sonus Element Management Services
mib-streaming 2292/udp Sonus Element Management Services
# Linda Lin <llin@sonusnet.com> August 2006
npdbgmngr 2293/tcp Network Platform Debug Manager
npdbgmngr 2293/udp Network Platform Debug Manager
# Robert Byrne <robert.byrne@ie.abb.com> September 2006
konshus-lm 2294/tcp Konshus License Manager (FLEX)
konshus-lm 2294/udp Konshus License Manager (FLEX)
# Francois Painchaud <fpainchaud@konshus.com>
advant-lm 2295/tcp Advant License Manager
advant-lm 2295/udp Advant License Manager
# Lars-Goran Magnusson
# <lars-goran.magnusson@seisy.mail.abb.com>
theta-lm 2296/tcp Theta License Manager (Rainbow)
theta-lm 2296/udp Theta License Manager (Rainbow)
# David Thompson <theta@theta-ent.com>
d2k-datamover1 2297/tcp D2K DataMover 1
d2k-datamover1 2297/udp D2K DataMover 1
d2k-datamover2 2298/tcp D2K DataMover 2
d2k-datamover2 2298/udp D2K DataMover 2
# Eric Lan <elan@d2k.com>
pc-telecommute 2299/tcp PC Telecommute
pc-telecommute 2299/udp PC Telecommute
# John Daniel Bonamico <jbonamico@symantec.com>
cvmmmon 2300/tcp CVMMON
cvmmmon 2300/udp CVMMON
# Roger Kumpf <kumpf@cup.hp.com>
cpq-wbem 2301/tcp Compaq HTTP
cpq-wbem 2301/udp Compaq HTTP
# Scott Shaffer <scott.shaffer@hp.com>
binderysupport 2302/tcp Bindery Support
binderysupport 2302/udp Bindery Support
# Narasimha Rao N. <narasimharao@novell.com>
proxy-gateway 2303/tcp Proxy Gateway
proxy-gateway 2303/udp Proxy Gateway
# Paul Funk <paul@funk.com>
attachmate-uts 2304/tcp Attachmate UTS
attachmate-uts 2304/udp Attachmate UTS
# George Gianelos <Georgegi@Attachmate.com>
mt-scaleserver 2305/tcp MT ScaleServer
mt-scaleserver 2305/udp MT ScaleServer
# Paul Glaubitz <Paul.Glaubitz@mt.com>
tappi-boxnet 2306/tcp TAPPI BoxNet
tappi-boxnet 2306/udp TAPPI BoxNet
# Richard Spartz <rspartz@alliancetechnical.com>
pehelp 2307/tcp pehelp
pehelp 2307/udp pehelp
# Jens Kilian <jensk@hpbeo82.bbn.hp.com>
sdhelp 2308/tcp sdhelp
sdhelp 2308/udp sdhelp
# Annette Klecha <annette_klecha@bbn.hp.com>
sdserver 2309/tcp SD Server
sdserver 2309/udp SD Server
sdclient 2310/tcp SD Client
sdclient 2310/udp SD Client
# Jeurgen Broesamle <juergb@bbn.hp.com>

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messageservice 2311/tcp Message Service
messageservice 2311/udp Message Service
# No contact Listed
wanscaler 2312/tcp WANScaler Communication Service
wanscaler 2312/udp WANScaler Communication Service
# Allen Samuels <allen.samuels@citrix.com> November 2006
iapp 2313/tcp IAPP (Inter Access Point Protocol)
iapp 2313/udp IAPP (Inter Access Point Protocol)
# Henri Moelard <moelard@lucent.com>
cr-websystems 2314/tcp CR WebSystems
cr-websystems 2314/udp CR WebSystems
# Robin Giese <rgiese@peddie.org>
precise-sft 2315/tcp Precise Sft.
precise-sft 2315/udp Precise Sft.
# Michael Landwehr <mikel@precisesoft.co.il>
sent-lm 2316/tcp SENT License Manager
sent-lm 2316/udp SENT License Manager
# Pisharath Krishnan <krishnan@axis-inc.com>
attachmate-g32 2317/tcp Attachmate G32
attachmate-g32 2317/udp Attachmate G32
# Bryce Bhatnagar <BRYCEBH@Attachmate.com>
cadencecontrol 2318/tcp Cadence Control
cadencecontrol 2318/udp Cadence Control
# Buck Caldwell <buck_c@polygon.com>
infolibria 2319/tcp InfoLibria
infolibria 2319/udp InfoLibria
# Chris Chiotasso <cchiotasso@infolibria.com>
siebel-ns 2320/tcp Siebel NS
siebel-ns 2320/udp Siebel NS
# Gilberto Arnaiz <garnaiz@siebel.com>
rdlap 2321/tcp RDLAP
rdlap 2321/udp RDLAP
# Robert Wiebe <crw010@email.mot.com>
ofsd 2322/tcp ofsd
ofsd 2322/udp ofsd
3d-nfsd 2323/tcp 3d-nfsd
3d-nfsd 2323/udp 3d-nfsd
# Mike Sherrill <sherrill@commvault.com>
cosmocall 2324/tcp Cosmocall
cosmocall 2324/udp Cosmocall
# Steve Dellutri
designspace-lm 2325/tcp Design Space License Management
designspace-lm 2325/udp Design Space License Management
# Suzanne Lorrin <suzanne.lorrin@ansys.com>
idcp 2326/tcp IDCP
idcp 2326/udp IDCP
# Keisokugiken Corp. <adda@kgc.co.jp>
xingcsm 2327/tcp xingcsm
xingcsm 2327/udp xingcsm
# Dave Spencer <dspencer@xingtech.com>
netrix-sftm 2328/tcp Netrix SFTM
netrix-sftm 2328/udp Netrix SFTM
# Garrett Herschleb <garrett@netrix.com>
nvd 2329/tcp NVD
nvd 2329/udp NVD
# Peter Weyman <pjweyman@noblenet.com>
tscchat 2330/tcp TSCCHAT

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tscchat          2330/udp    TSCCHAT
#               Mike Jackson <mhjack@tscnet.com>
agentview        2331/tcp    AGENTVIEW
agentview        2331/udp    AGENTVIEW
#               Ram Iyer <ram@aaccorp.com>
rcc-host         2332/tcp    RCC Host
rcc-host         2332/udp    RCC Host
#               Martin Shoemaker <shoemakerml@rapistan.com>
snapp            2333/tcp    SNAPP
snapp            2333/udp    SNAPP
#               Kevin Osborn <kosborn@snappliance.com>
ace-client       2334/tcp    ACE Client Auth
ace-client       2334/udp    ACE Client Auth
ace-proxy        2335/tcp    ACE Proxy
ace-proxy        2335/udp    ACE Proxy
#               Riaz Zolfonoon
<rzolfonoon@securitydynamics.com>
appleugcontrol   2336/tcp    Apple UG Control
appleugcontrol   2336/udp    Apple UG Control
#               Gene Tyacke <gene@apple.com>
ideesrv          2337/tcp    ideesrv
ideesrv          2337/udp    ideesrv
#               Marazzi <fmarazzi@ideetique.com>
norton-lambert   2338/tcp    Norton Lambert
norton-lambert   2338/udp    Norton Lambert
#               Richard de Mornay <rдемornay@norton-
lambert.com>
3com-webview     2339/tcp    3Com WebView
3com-webview     2339/udp    3Com WebView
#               Jennifer Grace <Jennifer_Grace@3com.com>
wrs_registry     2340/tcp    WRS Registry
wrs_registry     2340/udp    WRS Registry
#               Christophe Cleraux <chrisc@wrs.com>
xiostatus        2341/tcp    XIO Status
xiostatus        2341/udp    XIO Status
#               Randy Maas <randym@xiotech.com>
manage-exec      2342/tcp    Seagate Manage Exec
manage-exec      2342/udp    Seagate Manage Exec
#               Jim Flaherty <jim.flaherty@seagatesoftware.com>
nati-logos       2343/tcp    nati logos
nati-logos       2343/udp    nati logos
#               James Juhasz <james.juhasz@ni.com>
fcmsys           2344/tcp    fcmsys
fcmsys           2344/udp    fcmsys
dbm              2345/tcp    dbm
dbm              2345/udp    dbm
#               Dean Robson <dean.robson@fujitsu.com.au>
redstorm_join    2346/tcp    Game Connection Port
redstorm_join    2346/udp    Game Connection Port
redstorm_find    2347/tcp    Game Announcement and Location
redstorm_find    2347/udp    Game Announcement and Location
redstorm_info    2348/tcp    Information to query for game status
redstorm_info    2348/udp    Information to query for game status
redstorm_diag    2349/tcp    Diagnostics Port
redstorm_diag    2349/udp    Diagnostics Port
#               David Weinstein <david.weinstein@redstorm.com>
psbserver        2350/tcp    psbserver

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psbserver	2350/udp	psbserver
psrserver	2351/tcp	psrserver
psrserver	2351/udp	psrserver
pslserver	2352/tcp	pslserver
pslserver	2352/udp	pslserver
pspserver	2353/tcp	pspserver
pspserver	2353/udp	pspserver
psprserver	2354/tcp	psprserver
psprserver	2354/udp	psprserver
psdbserver	2355/tcp	psdbserver
psdbserver	2355/udp	psdbserver
#		Paul Reddy <Paul@pharos.co.nz>
gxtelmd	2356/tcp	GXT License Managemant
gxtelmd	2356/udp	GXT License Managemant
#		Robert Hodgson <rrh@gxt.com>
unihub-server	2357/tcp	UniHub Server
unihub-server	2357/udp	UniHub Server
#		Tim Kenyon <Tim_Kenyon@csicontrols.com>
futrix	2358/tcp	Futrix
futrix	2358/udp	Futrix
#		Peter Frankenberg <pcfberg@ibm.net>
flukeserver	2359/tcp	FlukeServer
flukeserver	2359/udp	FlukeServer
#		Bill Marbaker <wrm@fortenet.com>
nexstorindltd	2360/tcp	NexstorIndLtd
nexstorindltd	2360/udp	NexstorIndLtd
#		NexStor India Limited <next@nda.vsnl.net.in>
tl1	2361/tcp	TL1
tl1	2361/udp	TL1
#		Charles Scott Roberson <chip@cerent.com>
digiman	2362/tcp	digiman
digiman	2362/udp	digiman
#		Aaron S. Kurland <akurland@netsilicon.com>
mediacntrl nfsd	2363/tcp	Media Central NFSD
mediacntrl nfsd	2363/udp	Media Central NFSD
#		shivakumar s. govindarajapuram <shivak@eng.sun.com>
oi-2000	2364/tcp	OI-2000
oi-2000	2364/udp	OI-2000
#		Software Horizons Inc. <oi2000@shorizons.com>
dbref	2365/tcp	dbref
dbref	2365/udp	dbref
#		Yoshihiro Yamazaki <yamazaki@ael.fujitsu.co.jp>
qip-login	2366/tcp	qip-login
qip-login	2366/udp	qip-login
#		Mike Morgan <mmorgan@lucent.com>
service-ctrl	2367/tcp	Service Control
service-ctrl	2367/udp	Service Control
#		Humberto Sanchez <Humberto_Sanchez@hp.com>
opentable	2368/tcp	OpenTable
opentable	2368/udp	OpenTable
#		Brett Goldstein <bgoldstein@opentable.com>
#	2369	De-registered (28 March 2006)
l3-hbmon	2370/tcp	L3-HBMon
l3-hbmon	2370/udp	L3-HBMon
#		Dolores Scott <Dolores.Scott@L-3security.com>
#### Port 2370		Unofficially used by Compaq ####
worldwire	2371/tcp	Compaq WorldWire Port

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worldwire      2371/udp      Compaq WorldWire Port
#              Michael Spratte <michael.spratte@compaq.com>
#              2372-2380      Unassigned
compaq-https  2381/tcp      Compaq HTTPS
compaq-https  2381/udp      Compaq HTTPS
#              Scott Shaffer <scott.shaffer@hp.com>
ms-olap3      2382/tcp      Microsoft OLAP
ms-olap3      2382/udp      Microsoft OLAP
ms-olap4      2383/tcp      Microsoft OLAP
ms-olap4      2383/udp      Microsoft OLAP
#              Mosha Pasumansky <moshap@microsoft.com>
sd-request    2384/tcp      SD-REQUEST
sd-capacity   2384/udp      SD-CAPACITY
#              Jason McManus <jasonm@sleepdep.net>
sd-data       2385/tcp      SD-DATA
sd-data       2385/udp      SD-DATA
#              Jason McManus <jasonm@sleepdep.net>
virtualtape   2386/tcp      Virtual Tape
virtualtape   2386/udp      Virtual Tape
vsamredirector 2387/tcp      VSAM Redirector
vsamredirector 2387/udp      VSAM Redirector
#              Ingo Franzki <ifranzki@de.ibm.com>
mynahautostart 2388/tcp      MYNAH AutoStart
mynahautostart 2388/udp      MYNAH AutoStart
#              Thomas J. Klehr <tklehr@telcordia.com>
ovsessionmgr  2389/tcp      OpenView Session Mgr
ovsessionmgr  2389/udp      OpenView Session Mgr
#              Eric Pulsipher <eric_pulsipher@hp.com>
rsmtpt       2390/tcp      RSMTPT
rsmtpt       2390/udp      RSMTPT
#              Geoff Collyer <geoff@research.bell-labs.com>
3com-net-mgmt 2391/tcp      3COM Net Management
3com-net-mgmt 2391/udp      3COM Net Management
#              Prathibha Nagvar
tacticalauth  2392/tcp      Tactical Auth
tacticalauth  2392/udp      Tactical Auth
#              David Yon <yon@tactical-sw.com>
ms-olap1     2393/tcp      MS OLAP 1
ms-olap1     2393/udp      MS OLAP 1
ms-olap2     2394/tcp      MS OLAP 2
ms-olap2     2394/udp      MS OLAP 2
#              Mosha Pasumansky <moshap@microsoft.com>
lan900_remote 2395/tcp      LAN900 Remote
lan900_remote 2395/udp      LAN900 Remote
#              Tom Quinlan <tquinlan@digitechinc.com>
wusage       2396/tcp      Wusage
wusage       2396/udp      Wusage
#              Thomas Boutell <boutell@boutell.com>
ncl          2397/tcp      NCL
ncl          2397/udp      NCL
#              Robert Wiebe <crw010@email.mot.com>
orbiter      2398/tcp      Orbiter
orbiter      2398/udp      Orbiter
#              David Goldberg <dgoldberg@callisto.com>
fmpro-fdal   2399/tcp      FileMaker, Inc. - Data Access Layer
fmpro-fdal   2399/udp      FileMaker, Inc. - Data Access Layer
#              Clay Maeckal <clay_maeckel@filemaker.com>

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opequus-server 2400/tcp OpEquus Server
opequus-server 2400/udp OpEquus Server
# Gavin Hutchinson <gavinh@tesl.com>
cvspserver 2401/tcp cvspserver
cvspserver 2401/udp cvspserver
# Jim Kingdon <kingdon@harvey.cyclic.com>
taskmaster2000 2402/tcp TaskMaster 2000 Server
taskmaster2000 2402/udp TaskMaster 2000 Server
taskmaster2000 2403/tcp TaskMaster 2000 Web
taskmaster2000 2403/udp TaskMaster 2000 Web
# Ed Odjaghian <edo@datacap.com>
iec-104 2404/tcp IEC 60870-5-104 process control over IP
iec-104 2404/udp IEC 60870-5-104 process control over IP
# Walter K. Eichelburg <walter.eichelburg@sat-
automation.com>
trc-netpoll 2405/tcp TRC Netpoll
trc-netpoll 2405/udp TRC Netpoll
# Bizhan Ghavami <ghavami@telcores.com>
jediserver 2406/tcp JediServer
jediserver 2406/udp JediServer
# Paul McEntire <paul.mcentire@columbiasc.ncr.com>
orion 2407/tcp Orion
orion 2407/udp Orion
# Matthew Horoschun <mhoroschun@canprint.com.au>
optimanet 2408/tcp OptimaNet
optimanet 2408/udp OptimaNet
# John Graham-Cumming <jgc@optimal.com>
sns-protocol 2409/tcp SNS Protocol
sns-protocol 2409/udp SNS Protocol
# Amir Blich <amir@netmanage.co.il>
vrts-registry 2410/tcp VRTS Registry
vrts-registry 2410/udp VRTS Registry
# Pranay Varma <pran@veritas.com>
netwave-ap-mgmt 2411/tcp Netwave AP Management
netwave-ap-mgmt 2411/udp Netwave AP Management
# Johnny Zweig <zweig@netwave-wireless.com>
cdn 2412/tcp CDN
cdn 2412/udp CDN
# Alan Noble <noble@netmind.com>
orion-rmi-reg 2413/tcp orion-rmi-reg
orion-rmi-reg 2413/udp orion-rmi-reg
# J.S. Greenfield <greeny@us.ibm.com>
beeyond 2414/tcp Beeyond
beeyond 2414/udp Beeyond
# Bob Deblrier <bob@virtualunlimited.com>
codima-rtp 2415/tcp Codima Remote Transaction Protocol
codima-rtp 2415/udp Codima Remote Transaction Protocol
# Sylvia Ross <sross@codimatech.com>
rmtserver 2416/tcp RMT Server
rmtserver 2416/udp RMT Server
# Yvon Marineau <yvon@simware.com>
composit-server 2417/tcp Composit Server
composit-server 2417/udp Composit Server
# Katsuaki Naoi <naoi@pfu.co.jp>
cas 2418/tcp cas
cas 2418/udp cas
# Akiyoshi Ochi <akiyoshi@net.paso.fujitsu.co.jp>

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attachmate-s2s 2419/tcp Attachmate S2S
attachmate-s2s 2419/udp Attachmate S2S
# Chris Rominski <ChrisRom@attachmate.com>
dslremote-mgmt 2420/tcp DSL Remote Management
dslremote-mgmt 2420/udp DSL Remote Management
# Westell, Inc. <jronk@westell.com>
g-talk 2421/tcp G-Talk
g-talk 2421/udp G-Talk
# Matt Hammond <matt_hammond@four-sight.co.uk>
crmsbits 2422/tcp CRMSBITS
crmsbits 2422/udp CRMSBITS
# Rod Ward <Rward@vaccmell.telstra.com.au>
rnrp 2423/tcp RNRP
rnrp 2423/udp RNRP
# Per Sahlqvist <psahlqvi@sw.seisy.abb.se>
kofax-svr 2424/tcp KOFAX-SVR
kofax-svr 2424/udp KOFAX-SVR
# Terry Reagan <treagan@kofax.com>
fjitsuappmgr 2425/tcp Fujitsu App Manager
fjitsuappmgr 2425/udp Fujitsu App Manager
# Hiroyuki Kawabuchi <buchi@ael.fujitsu.co.jp>
# 2426 Unassigned (Removed 2002-04-29)
mgcp-gateway 2427/tcp Media Gateway Control Protocol Gateway
mgcp-gateway 2427/udp Media Gateway Control Protocol Gateway
# Christian Huitema <huitema@research.telcordia.com>
ott 2428/tcp One Way Trip Time
ott 2428/udp One Way Trip Time
# Greg Troxel <gdt@ir.bbn.com>
ft-role 2429/tcp FT-ROLE
ft-role 2429/udp FT-ROLE
# Doug Boone <dboone@atg.CLR.com>
venus 2430/tcp venus
venus 2430/udp venus
venus-se 2431/tcp venus-se
venus-se 2431/udp venus-se
codasrv 2432/tcp codasrv
codasrv 2432/udp codasrv
codasrv-se 2433/tcp codasrv-se
codasrv-se 2433/udp codasrv-se
# Robert Watson <robert@cyrus.watson.org>
pxc-epmap 2434/tcp pxc-epmap
pxc-epmap 2434/udp pxc-epmap
# Jun Nakamura <jnakamur@cp10.es.xerox.com>
optilogic 2435/tcp OptiLogic
optilogic 2435/udp OptiLogic
# Clark Williams <clark@wirespeed.com>
topx 2436/tcp TOP/X
topx 2436/udp TOP/X
# Dragos Pop <dragos@cs.ubbcluj.ro>
unicontrol 2437/tcp UniControl
unicontrol 2437/udp UniControl
# Ing. Markus Huemer <markus.huemer@hsd.at>
msp 2438/tcp MSP
msp 2438/udp MSP
# Evan Caves <evan@acc.com>
sybasedbsynch 2439/tcp SybaseDBSynch
sybasedbsynch 2439/udp SybaseDBSynch

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# Dave Neudoerffer <Dave.Neudoerffer@ianywhere.com>
spearway 2440/tcp Spearway Lockers
spearway 2440/udp Spearway Lockers
# Pierre Frisch <Pierre.Frisch@spearway.com>
pvsw-inet 2441/tcp Pervasive I*net Data Server
pvsw-inet 2441/udp Pervasive I*net Data Server
# Chuck Talk <ctalk@pervasive.com>
netangel 2442/tcp Netangel
netangel 2442/udp Netangel
# Ladislav Baranyay <identcod@identcode.sk>
powerclientcsf 2443/tcp PowerClient Central Storage Facility
powerclientcsf 2443/udp PowerClient Central Storage Facility
# Brian Klassen <Brian.Klassen@Unisys.com>
btpp2sectrans 2444/tcp BT PP2 Sectrans
btpp2sectrans 2444/udp BT PP2 Sectrans
# Ian Daniels <btexact.ports@bt.com>
dtn1 2445/tcp DTN1
dtn1 2445/udp DTN1
# Bob Gaddie <bobg@dtm.com>
bues_service 2446/tcp bues_service
bues_service 2446/udp bues_service
# Leonhard Diekmann
# <diekmann@04.mstr02.telekom400.dbp.de>
ovwdb 2447/tcp OpenView NNM daemon
ovwdb 2447/udp OpenView NNM daemon
# Eric Pulsipher <eric_pulsipher@fc.hp.com>
hpppsvr 2448/tcp hpppsvr
hpppsvr 2448/udp hpppsvr
# Bridgette Landers <blanders@boi.hp.com>
ratl 2449/tcp RATL
ratl 2449/udp RATL
# Paul Greenfield <paul.greenfield@unisys.com>
netadmin 2450/tcp netadmin
netadmin 2450/udp netadmin
netchat 2451/tcp netchat
netchat 2451/udp netchat
# Julian Mehnle <julian@mehnle.net>
snifferclient 2452/tcp SnifferClient
snifferclient 2452/udp SnifferClient
# Amy Weaver <amy_weaver@nai.com>
madge-ltd 2453/tcp madge ltd
madge-ltd 2453/udp madge ltd
# Mark Lyall <mark.lyall@madge.com>
indx-dds 2454/tcp IndX-DDS
indx-dds 2454/udp IndX-DDS
# Paul Carmichael <paulcarmichael@indx.net>
wago-io-system 2455/tcp WAGO-IO-SYSTEM
wago-io-system 2455/udp WAGO-IO-SYSTEM
# J^rg Hoffmann <electronicc_rd@wago.com>
altav-remmgt 2456/tcp altav-remmgt
altav-remmgt 2456/udp altav-remmgt
# Gary M. Allen <gallen@symantec.com>
rapido-ip 2457/tcp Rapido_IP
rapido-ip 2457/udp Rapido_IP
# Man Shuen Cheung
<man_shuen_cheung@wamnet.co.uk>
griffin 2458/tcp griffin

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griffin          2458/udp   griffin
#               Tom Taylor <Tom.Taylor@unisys.com>
community       2459/tcp   Community
community       2459/udp   Community
#               David Schwartz <davids@webmaster.com>
ms-theater      2460/tcp   ms-theater
ms-theater      2460/udp   ms-theater
#               Anton Kucer <akucer@microsoft.com>
qadmifoper      2461/tcp   qadmifoper
qadmifoper      2461/udp   qadmifoper
qadmifevent     2462/tcp   qadmifevent
qadmifevent     2462/udp   qadmifevent
#               Pekka Takaranta <pekka.takaranta@tellabs.fi>
symbios-raid    2463/tcp   Symbios Raid
symbios-raid    2463/udp   Symbios Raid
#               Bill Delaney <bill.delaney@symbios.com>
direcpc-si      2464/tcp   DirecPC SI
direcpc-si      2464/udp   DirecPC SI
#               Doug Dillon <dillon@hns.com>
lbm             2465/tcp   Load Balance Management
lbm             2465/udp   Load Balance Management
lbf             2466/tcp   Load Balance Forwarding
lbf             2466/udp   Load Balance Forwarding
#               Kazuhiro Koide <kaz@pfu.co.jp>
high-criteria   2467/tcp   High Criteria
high-criteria   2467/udp   High Criteria
#               Konstantin Iavid <kiavid@highcriteria.com>
qip-msgd        2468/tcp   qip_msgd
qip-msgd        2468/udp   qip_msgd
#               Mike Morgan <mmorgan@lucent.com>
mti-tcs-comm    2469/tcp   MTI-TCS-COMM
mti-tcs-comm    2469/udp   MTI-TCS-COMM
#               Mario Bonin <boninm@microtempus.com>
taskman-port    2470/tcp   taskman port
taskman-port    2470/udp   taskman port
#               Boris Panteleev <bpanteleev@himel.com>
seaodbc         2471/tcp   SeaODBC
seaodbc         2471/udp   SeaODBC
#               Adrian Hornby <Adrian.Hornby@aran.co.uk>
c3              2472/tcp   C3
c3              2472/udp   C3
#               Eckhard Grieger <e.grieger@com-on.de>
aker-cdp        2473/tcp   Aker-cdp
aker-cdp        2473/udp   Aker-cdp
#               Rodrigo Ormonde <ormonde@aker.com.br>
vitalanalysis   2474/tcp   Vital Analysis
vitalanalysis   2474/udp   Vital Analysis
#               Srinivas Reddy <sreddy@vitalsigns.com>
ace-server      2475/tcp   ACE Server
ace-server      2475/udp   ACE Server
ace-svr-prop    2476/tcp   ACE Server Propagation
ace-svr-prop    2476/udp   ACE Server Propagation
ssm-cvs         2477/tcp   SecurSight Certificate Valifation Service
ssm-cvs         2477/udp   SecurSight Certificate Valifation Service
ssm-cssps       2478/tcp   SecurSight Authentication Server (SSL)
ssm-cssps       2478/udp   SecurSight Authentication Server (SSL)
ssm-els         2479/tcp   SecurSight Event Logging Server (SSL)

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ssm-els          2479/udp    SecurSight Event Logging Server (SSL)
#                John Linn <jlinn@securitydynamics.com>
powerexchange    2480/tcp    Informatica PowerExchange Listener
powerexchange    2480/udp    Informatica PowerExchange Listener
#                Dale Norman <dnorman@informatica.com>
giop             2481/tcp    Oracle GIOP
giop             2481/udp    Oracle GIOP
giop-ssl         2482/tcp    Oracle GIOP SSL
giop-ssl         2482/udp    Oracle GIOP SSL
ttc              2483/tcp    Oracle TTC
ttc              2483/udp    Oracle TTC
ttc-ssl          2484/tcp    Oracle TTC SSL
ttc-ssl          2484/udp    Oracle TTC SSL
#                Chandar Venkataraman <CVENKATA@us.oracle.com>
netobjects1      2485/tcp    Net Objects1
netobjects1      2485/udp    Net Objects1
netobjects2      2486/tcp    Net Objects2
netobjects2      2486/udp    Net Objects2
#                Francois Granade <francois@netobjects.com>
pns              2487/tcp    Policy Notice Service
pns              2487/udp    Policy Notice Service
#                Akiyoshi Ochi <akiyoshi@net.paso.fujitsu.co.jp>
moy-corp         2488/tcp    Moy Corporation
moy-corp         2488/udp    Moy Corporation
#                Gang Gong Moy
tsilb            2489/tcp    TSILB
tsilb            2489/udp    TSILB
#                James Irwin <jimi@travsoft.com>
qip-qdhcp        2490/tcp    qip_qdhcp
qip-qdhcp        2490/udp    qip_qdhcp
#                Mike Morgan <mmorgan@lucent.com>
conclave-cpp     2491/tcp    Conclave CPP
conclave-cpp     2491/udp    Conclave CPP
#                Larry Lipstone <lrl@interdyn.com>
groove           2492/tcp    GROOVE
groove           2492/udp    GROOVE
#                Ray Ozzie <ray@rocks.net>
talarian-mqs     2493/tcp    Talarian MQS
talarian-mqs     2493/udp    Talarian MQS
#                Jim Stabile <jstabile@talarian.com>
bmc-ar           2494/tcp    BMC AR
bmc-ar           2494/udp    BMC AR
#                Portnoy Boxman <portnoy_boxman@bmc.com>
fast-rem-serv    2495/tcp    Fast Remote Services
fast-rem-serv    2495/udp    Fast Remote Services
#                Scott St. Clair <stclair@NTC.ADAPTEC.com>
dirgis           2496/tcp    DIRGIS
dirgis           2496/udp    DIRGIS
#                Deutschland Informations- und
#                Reservierungsgesellschaft mbH <beratung@dirg.de>
quaddb           2497/tcp    Quad DB
quaddb           2497/udp    Quad DB
#                Jeff Rosenthal <jrosenthal@quad-sys.com>
odn-castraq      2498/tcp    ODN-CasTraq
odn-castraq      2498/udp    ODN-CasTraq
#                Richard Hodges <rh@source.net>
unicontrol       2499/tcp    UniControl
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unicontrol 2499/udp  UniControl
#                               Ing. Markus Huemer
rtsserv      2500/tcp  Resource Tracking system server
rtsserv      2500/udp  Resource Tracking system server
rtsclient    2501/tcp  Resource Tracking system client
rtsclient    2501/udp  Resource Tracking system client
#                               Aubrey Turner
#                               <S95525ta%etsuacad.bitnet@ETSUADMN.ETSU.EDU>
kentrox-prot 2502/tcp  Kentrox Protocol
kentrox-prot 2502/udp  Kentrox Protocol
#                               Anil Lakhwara <anil_lakhwara@kentrox.com>
nms-dpnss    2503/tcp  NMS-DPNSS
nms-dpnss    2503/udp  NMS-DPNSS
#                               Jean-Christophe Desire
#                               <Jean-Christophe_Desire@NMS-Europe.com>
wlbs         2504/tcp  WLBS
wlbs         2504/udp  WLBS
#                               William Bain <bbain@microsoft.com>
ppcontrol    2505/tcp  PowerPlay Control
ppcontrol    2505/udp  PowerPlay Control
#                               Max Magliaro <mmagliaro@bnisolutions.com> November
2004
jbroker      2506/tcp  jbroker
jbroker      2506/udp  jbroker
#                               Rohit Garg <rohit@objectScape.com>
spock        2507/tcp  spock
spock        2507/udp  spock
#                               Jon A. Christopher <jac8792@tamu.edu>
jdatastore   2508/tcp  JDataStore
jdatastore   2508/udp  JDataStore
#                               Tod Landis <tlandis@inprise.com>
fjmpss       2509/tcp  fjmpss
fjmpss       2509/udp  fjmpss
#                               Makoto Watanabe <makoto@saint.nm.fujitsu.co.jp>
fjappmgrbulk 2510/tcp  fjappmgrbulk
fjappmgrbulk 2510/udp  fjappmgrbulk
#                               Hiroyuki Kawabuchi <buchi@ael.fujitsu.co.jp>
metastorm    2511/tcp  Metastorm
metastorm    2511/udp  Metastorm
#                               Eric Isom <eisom@metastorm.com>
citrixima    2512/tcp  Citrix IMA
citrixima    2512/udp  Citrix IMA
citrixadmin   2513/tcp  Citrix ADMIN
citrixadmin   2513/udp  Citrix ADMIN
#                               Myk Willis <myk.willis@citrix.com>
facsys-ntp   2514/tcp  Facsys NTP
facsys-ntp   2514/udp  Facsys NTP
facsys-router 2515/tcp  Facsys Router
facsys-router 2515/udp  Facsys Router
#                               Jeff Hoffman <jeffh@facsys.com>
maincontrol   2516/tcp  Main Control
maincontrol   2516/udp  Main Control
#                               Nathan Sadia <sadia@maincontrol.com>
call-sig-trans 2517/tcp  H.323 Annex E call signaling transport
call-sig-trans 2517/udp  H.323 Annex E call signaling transport
#                               Gur Kimchi <gur.kimchi@vocaltec.com>
willy        2518/tcp  Willy

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willy                2518/udp   Willy
#                   Carl-Johan Wik <cjw@hudsmoar.com>
globmsgsvc 2519/tcp   globmsgsvc
globmsgsvc 2519/udp   globmsgsvc
#                   David Wiltz <dwiltz@hf.intel.com>
pvsw              2520/tcp   Pervasive Listener
pvsw              2520/udp   Pervasive Listener
#                   Chuck Talk <ctalk@pervasive.com>
adaptecMgr 2521/tcp   Adaptec Manager
adaptecMgr 2521/udp   Adaptec Manager
#                   Mark Parenti <map@ntc.adaptec.com>
windb            2522/tcp   WinDb
windb            2522/udp   WinDb
#                   Larry Traylor <larry@arium.com>
qke-llc-v3       2523/tcp   Qke LLC V.3
qke-llc-v3       2523/udp   Qke LLC V.3
#                   Joerg Niehoff <joerg.niehoff@alcatel-ke.de>
optiwave-lm      2524/tcp   Optiwave License Management
optiwave-lm      2524/udp   Optiwave License Management
#                   Slawomir Krzesinski <slavek@optiwave.com>
ms-v-worlds      2525/tcp   MS V-Worlds
ms-v-worlds      2525/udp   MS V-Worlds
#                   Pete Wong <petewong@microsoft.com>
ema-sent-lm      2526/tcp   EMA License Manager
ema-sent-lm      2526/udp   EMA License Manager
#                   Thaddeus Perala <trperala@emaden.com>
iqserver 2527/tcp   IQ Server
iqserver 2527/udp   IQ Server
#                   Nick Straguzzi <Nick_Straguzzi@akbs.com>
ncr_ccl          2528/tcp   NCR CCL
ncr_ccl          2528/udp   NCR CCL
#                   Amitava Dutta <Amitava.Dutta@WoodbridgeNJ.ncr.com>
utsftp           2529/tcp   UTS FTP
utsftp           2529/udp   UTS FTP
#                   David Moore <dmoore@uttc-uts.com>
vrcommerce 2530/tcp   VR Commerce
vrcommerce 2530/udp   VR Commerce
#                   Yosi Mass <yosimass@haifa.vnet.ibm.com>
ito-e-gui 2531/tcp   ITO-E GUI
ito-e-gui 2531/udp   ITO-E GUI
#                   Michael Haeuptle <Michael_Haeuptle@hp.com>
ovtopmd          2532/tcp   OVTOPMD
ovtopmd          2532/udp   OVTOPMD
#                   Eric Pulsipher <eric_pulsipher@hp.com>
snifferserver    2533/tcp   SnifferServer
snifferserver    2533/udp   SnifferServer
#                   Amy Weaver <Amy_Weaver@NAI.com>
combox-web-acc   2534/tcp   Combox Web Access
combox-web-acc   2534/udp   Combox Web Access
#                   Yochai Cohen <yochai@combox.co.il>
madcap           2535/tcp   MADCAP
madcap           2535/udp   MADCAP
#                   Stephen Hanna <steve.hanna@sun.com>
btp2audctrl      2536/tcp   btp2audctrl
btp2audctrl      2536/udp   btp2audctrl
#                   Ian Daniels <btexact.ports@bt.com>
upgrade          2537/tcp   Upgrade Protocol

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upgrade          2537/udp   Upgrade Protocol
#               Breck Auten <bauten@dst-inc.com>
vnwk-prapi      2538/tcp   vnwk-prapi
vnwk-prapi      2538/udp   vnwk-prapi
#               John Hasselkus <Jhasselkus@VisualNetworks.com>
vsiadmin        2539/tcp   VSI Admin
vsiadmin        2539/udp   VSI Admin
#               Rob Juergens <robj@vsi.com>
lonworks        2540/tcp   LonWorks
lonworks        2540/udp   LonWorks
lonworks2       2541/tcp   LonWorks2
lonworks2       2541/udp   LonWorks2
#               Gary Bartlett <garyb@echelon.com>
udrawgraph      2542/tcp   uDraw(Graph)
udrawgraph      2542/udp   uDraw(Graph)
#               University of Bremen, FB3 <udrawgraph@informatik.uni-
bremen.de>
reftek          2543/tcp   REFTEK
reftek          2543/udp   REFTEK
#               Phil Davidson <p.davidson@reftek.com>
novell-zen      2544/tcp   Management Daemon Refresh
novell-zen      2544/udp   Management Daemon Refresh
#               Ty Ellis <tellis@novell.com>
sis-emt         2545/tcp   sis-emt
sis-emt         2545/udp   sis-emt
#               Bill Crawford <Bill.Crawford@securicor.co.uk>
vytalvaultbrtp 2546/tcp   vyalvaultbrtp
vytalvaultbrtp 2546/udp   vyalvaultbrtp
vytalvaultvsm  2547/tcp   vyalvaultvsm
vytalvaultvsm  2547/udp   vyalvaultvsm
vytalvaultpipe 2548/tcp   vyalvaultpipe
vytalvaultpipe 2548/udp   vyalvaultpipe
#               Tim Boldt <timb@vytalnet.com>
ipass           2549/tcp   IPASS
ipass           2549/udp   IPASS
#               Michael Fischer <otterley@Pass.COM>
ads             2550/tcp   ADS
ads             2550/udp   ADS
#               Michael O'Connor <moconnor@adobe.com>
isg-uda-server 2551/tcp   ISG UDA Server
isg-uda-server 2551/udp   ISG UDA Server
#               Dror Harari <Dror.Harari@isgsoft.com>
call-logging    2552/tcp   Call Logging
call-logging    2552/udp   Call Logging
#               Dean Webb <dean.webb@ascend.com>
efidiningport  2553/tcp   efidiningport
efidiningport  2553/udp   efidiningport
#               Lynn Carter <carterl@execpc.com>
vcnet-link-v10 2554/tcp   VCnet-Link v10
vcnet-link-v10 2554/udp   VCnet-Link v10
#               Csaba Mate <mc36@freemail.c3.hu>
compaq-wcp      2555/tcp   Compaq WCP
compaq-wcp      2555/udp   Compaq WCP
#               Ferruccio Barletta <ferruccio.barletta@compaq.com>
nicetec-nmsvc  2556/tcp   nicetec-nmsvc
nicetec-nmsvc  2556/udp   nicetec-nmsvc
nicetec-mgmt    2557/tcp   nicetec-mgmt

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nicetec-mgmt      2557/udp  nicetec-mgmt
#                Joerg Paulus <tech@nicetec.de>
pclemultimedia   2558/tcp  PCLE Multi Media
pclemultimedia   2558/udp  PCLE Multi Media
#                Jacob Gsoedl <jgsoedl@pinnaclesys.com>
lstp             2559/tcp  LSTP
lstp             2559/udp  LSTP
#                Waiki Wright <waiki@us.ibm.com>
labrat           2560/tcp  labrat
labrat           2560/udp  labrat
#                John Harvey <johnbob@austin.ibm.com>
mosaixcc         2561/tcp  MosaixCC
mosaixcc         2561/udp  MosaixCC
#                Steven Frare <stevefr@mosaix.com>
delibo           2562/tcp  Delibo
delibo           2562/udp  Delibo
#                NovaWiz LTD <Moshe@Novawiz.com>
cti-redwood      2563/tcp  CTI Redwood
cti-redwood      2563/udp  CTI Redwood
#                Songwon Chi <swchi@daou.co.kr>
hp-3000-telnet   2564/tcp  HP 3000 NS/VT block mode telnet
#
coord-svr        2565/tcp  Coordinator Server
coord-svr        2565/udp  Coordinator Server
#                Richard Steiger <steiger@ensemblesoft.com>
pcs-pcw          2566/tcp  pcs-pcw
pcs-pcw          2566/udp  pcs-pcw
#                W. Jordan Fitzhugh <jfitz@pcare.com>
clp              2567/tcp  Cisco Line Protocol
clp              2567/udp  Cisco Line Protocol
#                Susan Hinrichs <shinrich@cisco.com>
spamtrap         2568/tcp  SPAM TRAP
spamtrap         2568/udp  SPAM TRAP
#                Chuck Bennett <chuck@benatong.com>
sonuscallsig     2569/tcp  Sonus Call Signal
sonuscallsig     2569/udp  Sonus Call Signal
#                Mark Garti <mgarti@sonusnet.com>
hs-port          2570/tcp  HS Port
hs-port          2570/udp  HS Port
#                Uri Doron <uri@il.netect.com>
cecsvc           2571/tcp  CECSVC
cecsvc           2571/udp  CECSVC
#                Roger Pao <rpao@corder-eng.com>
ibp              2572/tcp  IBP
ibp              2572/udp  IBP
#                Jonathan Downes <jonno@activ.net.au>
trustestablish   2573/tcp  Trust Establish
trustestablish   2573/udp  Trust Establish
#                Yosi Mass <yosimass@haifa.vnet.ibm.com>
blockade-bpsp    2574/tcp  Blockade BPSP
blockade-bpsp    2574/udp  Blockade BPSP
#                VP - Research & Development
<development@blockade.com>
hl7              2575/tcp  HL7
hl7              2575/udp  HL7
#                Tim Jacobs
tclprodebugger   2576/tcp  TCL Pro Debugger

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tclprodebugger 2576/udp   TCL Pro Debugger
scripticslsrvr 2577/tcp   Scriptics Lsrvr
scripticslsrvr 2577/udp   Scriptics Lsrvr
#                               Brent Welch <welch@scriptics.com>
rvs-isdn-dcp   2578/tcp   RVS ISDN DCP
rvs-isdn-dcp   2578/udp   RVS ISDN DCP
#                               Michael Zirpel <mbz@rvscom.com>
mpfoncl        2579/tcp   mpfoncl
mpfoncl        2579/udp   mpfoncl
#                               Itaru Kimura <kimura@kel.fujitsu.co.jp>
tributary      2580/tcp   Tributary
tributary      2580/udp   Tributary
#                               Louis Lu <LouisL@bristol.com>
argis-te       2581/tcp   ARGIS TE
argis-te       2581/udp   ARGIS TE
argis-ds       2582/tcp   ARGIS DS
argis-ds       2582/udp   ARGIS DS
#                               John Legh-Page <john.legh-page@argis.com>
mon            2583/tcp   MON
mon            2583/udp   MON
#                               Jim Trocki <trockij@transmeta.com>
cyaserv        2584/tcp   cyaserv
cyaserv        2584/udp   cyaserv
#                               Morgan Jones <mwj@cyasolutions.com>
netx-server    2585/tcp   NETX Server
netx-server    2585/udp   NETX Server
netx-agent     2586/tcp   NETX Agent
netx-agent     2586/udp   NETX Agent
#                               Brett Dolecheck <Dolecheck@IPMetrics.com>
masc           2587/tcp   MASC
masc           2587/udp   MASC
#                               Pavlin Ivanov Radoslavov
#                               <pavlin@catarina.usc.edu>
privilege      2588/tcp   Privilege
privilege      2588/udp   Privilege
#                               Gil Hecht <GilH@aks.com>
quartus-tcl    2589/tcp   quartus tcl
quartus-tcl    2589/udp   quartus tcl
#                               Subroto Datta <subrotod@altera.com>
idotdist       2590/tcp   idotdist
idotdist       2590/udp   idotdist
#                               Jason Hunter <jthunter@invino.com>
maytagshuffle  2591/tcp   Maytag Shuffle
maytagshuffle  2591/udp   Maytag Shuffle
#                               Ken Ksiazek <kksiazek@maytag.com>
netrek         2592/tcp   netrek
netrek         2592/udp   netrek
#                               Al Guetzlaff aeg@teamquest.com>
mns-mail       2593/tcp   MNS Mail Notice Service
mns-mail       2593/udp   MNS Mail Notice Service
#                               Rumiko Kikuta <kiku@nd.net.fujitsu.co.jp>
dts            2594/tcp   Data Base Server
dts            2594/udp   Data Base Server
#                               Andreas Roene <support@home-online.de>
worldfusion1   2595/tcp   World Fusion 1
worldfusion1   2595/udp   World Fusion 1
worldfusion2   2596/tcp   World Fusion 2

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```
worldfusion2      2596/udp    World Fusion 2
#                 World Fusion <net@worldfusion.com>
homesteadglory   2597/tcp    Homestead Glory
homesteadglory   2597/udp    Homestead Glory
#                 John Tokash <jtokash@homestead.com>
citriximaclient  2598/tcp    Citrix MA Client
citriximaclient  2598/udp    Citrix MA Client
#                 Myk Willis <myk.willis@citrix.com>
snapd            2599/tcp    Snap Discovery
snapd            2599/udp    Snap Discovery
#                 Kevin Osborn <kosborn@snapappliance.com>
hpstgmgr         2600/tcp    HPSTGMGR
hpstgmgr         2600/udp    HPSTGMGR
#                 Kevin Collins <kevinc@cnd.hp.com>
discp-client     2601/tcp    discp client
discp-client     2601/udp    discp client
discp-server     2602/tcp    discp server
discp-server     2602/udp    discp server
#                 Peter White <peter_white@3com.com>
servicemeter    2603/tcp    Service Meter
servicemeter    2603/udp    Service Meter
#                 Duncan Hare <Duncan.Hare@synoia.com>
nsc-ccs          2604/tcp    NSC CCS
nsc-ccs          2604/udp    NSC CCS
nsc-posa        2605/tcp    NSC POSA
nsc-posa        2605/udp    NSC POSA
#                 Tom Findley <tom.findley@networksciences.net>
netmon           2606/tcp    Dell Netmon
netmon           2606/udp    Dell Netmon
connection       2607/tcp    Dell Connection
connection       2607/udp    Dell Connection
#                 Sudhir Shetty <Sudhir_Shetty@Dell.com>
wag-service      2608/tcp    Wag Service
wag-service      2608/udp    Wag Service
#                 Gilles Bourquard <gbo@wag.ch>
system-monitor   2609/tcp    System Monitor
system-monitor   2609/udp    System Monitor
#                 Greg Robson-Garth <gregr@alphalink.com.au>
versa-tek        2610/tcp    VersaTek
versa-tek        2610/udp    VersaTek
#                 James Kou <Jamesk@versatek.com>
lionhead         2611/tcp    LIONHEAD
lionhead         2611/udp    LIONHEAD
#                 Tim Rance <trance@lionhead.co.uk>
qpasa-agent      2612/tcp    Qpasa Agent
qpasa-agent      2612/udp    Qpasa Agent
#                 Craig Ching <cching@mqsoftware.com>
smntubootstrap  2613/tcp    SMNTUBootstrap
smntubootstrap  2613/udp    SMNTUBootstrap
#                 Matt Cecile <mattc@metrics.com>
neveroffline     2614/tcp    Never Offline
neveroffline     2614/udp    Never Offline
#                 Dustin Brand <amo@amo.net>
firepower        2615/tcp    firepower
firepower        2615/udp    firepower
#                 Jason Volk <jason@teknidude.com>
appswitch-emp    2616/tcp    appswitch-emp
```

```
appswitch-emp    2616/udp    appswitch-emp
#               Ted Ross <ross@TopLayer.com>
cmadmin         2617/tcp    Clinical Context Managers
cmadmin         2617/udp    Clinical Context Managers
#               Mark Morwood <markm@sentillion.com>
priority-e-com  2618/tcp    Priority E-Com
priority-e-com  2618/udp    Priority E-Com
#               Marcelo Einhorn <marcelo@eshbel.com>
bruce           2619/tcp    bruce
bruce           2619/udp    bruce
#               Alec Muffett <alecm@sun.com>
lpsrecommender 2620/tcp    LPSRecommender
lpsrecommender 2620/udp    LPSRecommender
#               Pritham Shetty <pritham@andromedia.com>
miles-apart     2621/tcp    Miles Apart Jukebox Server
miles-apart     2621/udp    Miles Apart Jukebox Server
#               Michael Rathmann <rathmann_ia@milesinfo.com>
metricadb       2622/tcp    MetricaDBC
metricadb       2622/udp    MetricaDBC
#               Russ Olivant <russ.olivant@metrica.co.uk>
lmdp            2623/tcp    LMDP
lmdp            2623/udp    LMDP
#               Ken Bailey <kbailey@rockettalk.com>
aria            2624/tcp    Aria
aria            2624/udp    Aria
#               Logan Bruns <logan@andromedia.com>
blwnkl-port     2625/tcp    Blwnkl Port
blwnkl-port     2625/udp    Blwnkl Port
#               Weng Chin (Winson) Yung <Winson_Yung@3com.com>
gbjd816         2626/tcp    gbjd816
gbjd816         2626/udp    gbjd816
#               George Balesta <George.Baletsa@tfn.com>
moshebeeri     2627/tcp    Moshe Beeri
moshebeeri     2627/udp    Moshe Beeri
#               Moshe Beeri <moshe@whale-com.com>
dict            2628/tcp    DICT
dict            2628/udp    DICT
#               Rik Faith <faith@cs.unc.edu>
sitaraserver    2629/tcp    Sitara Server
sitaraserver    2629/udp    Sitara Server
sitarangmt     2630/tcp    Sitara Management
sitarangmt     2630/udp    Sitara Management
sitaradir      2631/tcp    Sitara Dir
sitaradir      2631/udp    Sitara Dir
#               Manickam R.Sridhar <msridhar@sitaranetworks.com>
irdg-post      2632/tcp    IRdg Post
irdg-post      2632/udp    IRdg Post
#               IRdg, Inc. <jtaylor@irdg.com>
interintelli    2633/tcp    InterIntelli
interintelli    2633/udp    InterIntelli
#               Mike Gagle <MikeG@inter-intelli.com>
pk-electronics 2634/tcp    PK Electronics
pk-electronics 2634/udp    PK Electronics
#               Seb Ibis <seb_ibis@pkworld.com>
backburner     2635/tcp    Back Burner
backburner     2635/udp    Back Burner
#               Kevin Teiskoetter <kevint@metacreations.com>
```

```
solve                2636/tcp    Solve
solve                2636/udp    Solve
#                    Peter Morrison <peter_morrison@sydney.sterling.com>
imdocsvc            2637/tcp    Import Document Service
imdocsvc            2637/udp    Import Document Service
#                    Zia Bhatti <zia@netright.com>
sybaseanywhere      2638/tcp    Sybase Anywhere
sybaseanywhere      2638/udp    Sybase Anywhere
#                    Dave Neudoerffer <Dave.Neudoerffer@ianywhere.com>
aminet              2639/tcp    AMInet
aminet              2639/udp    AMInet
#                    Alcorn McBride Inc. <jeff@alcorn.com>
sai_sentlm          2640/tcp    Sabbagh Associates Licence Manager
sai_sentlm          2640/udp    Sabbagh Associates Licence Manager
#                    Elias Sabbagh <ehs@sabbagh.com>
hdl-srv             2641/tcp    HDL Server
hdl-srv             2641/udp    HDL Server
#                    David Ely <dely@cnri.reston.va.us>
tragic              2642/tcp    Tragic
tragic              2642/udp    Tragic
#                    Stu Mark <fordii@j51.com>
gte-samp            2643/tcp    GTE-SAMP
gte-samp            2643/udp    GTE-SAMP
#                    Asher Altman <Asher.Altman@GSC.GTE.Com>
travsoft-ipx-t      2644/tcp    Travsoft IPX Tunnel
travsoft-ipx-t      2644/udp    Travsoft IPX Tunnel
#                    Jack Wilson <JackW@travsoft.com>
novell-ipx-cmd      2645/tcp    Novell IPX CMD
novell-ipx-cmd      2645/udp    Novell IPX CMD
#                    Juan Carlos Luciani <jluciani@novell.com>
and-lm              2646/tcp    AND License Manager
and-lm              2646/udp    AND License Manager
#                    Dick van der Sijs <dick@and.nl>
syncserver          2647/tcp    SyncServer
syncserver          2647/udp    SyncServer
#                    Shawn Casey <Shawn.Casey@matrixone.com>
upsnotifyprot       2648/tcp    Upsnotifyprot
upsnotifyprot       2648/udp    Upsnotifyprot
#                    Mario Leboute <leboute@pro.via-rs.com.br>
vpsippport          2649/tcp    VPSIPPORT
vpsippport          2649/udp    VPSIPPORT
#                    Joon Radley <jradley@csir.co.za>
eristwoguns         2650/tcp    eristwoguns
eristwoguns         2650/udp    eristwoguns
#                    NetPro Computing Inc. <ports@netpro.com>
ebinsite            2651/tcp    EBInSite
ebinsite            2651/udp    EBInSite
#                    Lefteris Kalamaras <lefteris@ebi.com>
interpathpanel      2652/tcp    InterPathPanel
interpathpanel      2652/udp    InterPathPanel
#                    Stephen Misel <steve.misel@interpath.net>
sonus                2653/tcp    Sonus
sonus                2653/udp    Sonus
#                    Mark Garti <mgarti@sonusnet.com>
corel_vncadmin      2654/tcp    Corel VNC Admin
corel_vncadmin      2654/udp    Corel VNC Admin
#                    Oleg Noskov <olegn@corelcomputer.com>
```

```
unglue          2655/tcp    UNIX Nt Glue
unglue          2655/udp    UNIX Nt Glue
#              Peter Santoro <peter@pscomp.com>
kana           2656/tcp    Kana
kana           2656/udp    Kana
#              Colin Goldstein <Colin@kana.com>
sns-dispatcher 2657/tcp    SNS Dispatcher
sns-dispatcher 2657/udp    SNS Dispatcher
sns-admin      2658/tcp    SNS Admin
sns-admin      2658/udp    SNS Admin
sns-query      2659/tcp    SNS Query
sns-query      2659/udp    SNS Query
#              Mary Holstege <holstege@firstfloor.com>
gcmonitor      2660/tcp    GC Monitor
gcmonitor      2660/udp    GC Monitor
#              Gustavo Rodriguez-Rivera <grr@geodesic.com>
olhost         2661/tcp    OLHOST
olhost         2661/udp    OLHOST
#              Robert Ripberger <rip@lan-aces.com>
bintec-capi    2662/tcp    BinTec-CAPI
bintec-capi    2662/udp    BinTec-CAPI
bintec-tapi    2663/tcp    BinTec-TAPI
bintec-tapi    2663/udp    BinTec-TAPI
#
patrol-mq-gm   2664/tcp    Patrol for MQ GM
patrol-mq-gm   2664/udp    Patrol for MQ GM
patrol-mq-nm   2665/tcp    Patrol for MQ NM
patrol-mq-nm   2665/udp    Patrol for MQ NM
#              Portnoy Boxman <portnoy_boxman@bmc.com>
extensis      2666/tcp    extensis
extensis      2666/udp    extensis
#              Milton Sagen <msagen@extensis.com>
alarm-clock-s  2667/tcp    Alarm Clock Server
alarm-clock-s  2667/udp    Alarm Clock Server
alarm-clock-c  2668/tcp    Alarm Clock Client
alarm-clock-c  2668/udp    Alarm Clock Client
toad           2669/tcp    TOAD
toad           2669/udp    TOAD
#              Michael Marking <marking@tatanka.com>
tve-announce   2670/tcp    TVE Announce
tve-announce   2670/udp    TVE Announce
#              Dean Blackketter <dean@corp.webtv.net>
newlixreg      2671/tcp    newlixreg
newlixreg      2671/udp    newlixreg
#              Jean-Serge Gagnon <jsg@newlix.com>
nhserver       2672/tcp    nhserver
nhserver       2672/udp    nhserver
#              Adrian Hornby <Adrian.Hornby@aran.co.uk>
firstcall42    2673/tcp    First Call 42
firstcall42    2673/udp    First Call 42
#              Luke Bowen <leb@tfn.com>
ewnn           2674/tcp    ewnn
ewnn           2674/udp    ewnn
#              Yasunari Yamashita <yamasita@omronsoft.co.jp>
ttc-etap      2675/tcp    TTC ETAP
ttc-etap      2675/udp    TTC ETAP
#              Daniel Becker <becker2d@ttc.com>
```

```
simslink 2676/tcp SIMSLink
simslink 2676/udp SIMSLink
# Steve Ryckman <iana@simsware.com>
gadgetgatelway 2677/tcp Gadget Gate 1 Way
gadgetgatelway 2677/udp Gadget Gate 1 Way
gadgetgate2way 2678/tcp Gadget Gate 2 Way
gadgetgate2way 2678/udp Gadget Gate 2 Way
# Matt Rollins <matt@anybusiness.com>
syncserverssl 2679/tcp Sync Server SSL
syncserverssl 2679/udp Sync Server SSL
# Shawn Casey <Shawn.Casey@matrixone.com>
pxc-sapxom 2680/tcp pxc-sapxom
pxc-sapxom 2680/udp pxc-sapxom
# Hideki Kiriyama <kiriyama@cp10.es.xerox.com>
mpnjsomb 2681/tcp mpnjsomb
mpnjsomb 2681/udp mpnjsomb
# Takenori Miyahara <miyahara@pfu.co.jp>
# 2682 Removed (2002-04-30)
ncdloadbalance 2683/tcp NCDLoadBalance
ncdloadbalance 2683/udp NCDLoadBalance
# Tim Stevenson <tes@ncd.com>
mpnjsosv 2684/tcp mpnjsosv
mpnjsosv 2684/udp mpnjsosv
mpnjsocl 2685/tcp mpnjsocl
mpnjsocl 2685/udp mpnjsocl
mpnjsomg 2686/tcp mpnjsomg
mpnjsomg 2686/udp mpnjsomg
# Takenori Miyahara <miyahara@pfu.co.jp>
pq-lic-mgmt 2687/tcp pq-lic-mgmt
pq-lic-mgmt 2687/udp pq-lic-mgmt
# Bob Sledge <bob@pqsystems.com>
md-cg-http 2688/tcp md-cf-http
md-cg-http 2688/udp md-cf-http
# Lyndon Nerenberg <lyndon@execmail.ca>
fastlynx 2689/tcp FastLynx
fastlynx 2689/udp FastLynx
# Dave Sewell <dave@sewelldev.com>
hp-nnm-data 2690/tcp HP NNM Embedded Database
hp-nnm-data 2690/udp HP NNM Embedded Database
# Chris Das <cdas@cnd.hp.com>
itinternet 2691/tcp ITInternet ISM Server
itinternet 2691/udp ITInternet ISM Server
# Ron Ehli <ron@itinternet.net>
admins-lms 2692/tcp Admins LMS
admins-lms 2692/udp Admins LMS
# Dagfinn Saether <Dagfinn@admins.com>
# 2693/tcp Unassigned (Removed 2004-2-6)
# 2693/udp
#
pwrsevent 2694/tcp pwrsevent
pwrsevent 2694/udp pwrsevent
# Yoshinobu Nakamura
# <nakamura@np.lps.cs.fujitsu.co.jp>
vspread 2695/tcp VSPREAD
vspread 2695/udp VSPREAD
# Sumitake kobayashi
# <kobayashi@np.lps.cs.fujitsu.co.jp>
```

```
unifyadmin      2696/tcp    Unify Admin
unifyadmin      2696/udp    Unify Admin
#              Duane Gibson <ianaportmaster@unify.com>
oce-snmpt-trap  2697/tcp    Oce SNMP Trap Port
oce-snmpt-trap  2697/udp    Oce SNMP Trap Port
#              Peter Teeuwen <ptee@oce.nl>
mck-ivpip       2698/tcp    MCK-IVPIP
mck-ivpip       2698/udp    MCK-IVPIP
#              Robert Vincent <bert@mck.com>
csoft-plusclnt  2699/tcp    Csoft Plus Client
csoft-plusclnt  2699/udp    Csoft Plus Client
#              Nedelcho Stanev <nstanev@csoft.bg>
tqdata          2700/tcp    tqdata
tqdata          2700/udp    tqdata
#              Al Guetzlaff <aeg@teamquest.com>
sms-rcinfo      2701/tcp    SMS RCINFO
sms-rcinfo      2701/udp    SMS RCINFO
sms-xfer        2702/tcp    SMS XFER
sms-xfer        2702/udp    SMS XFER
sms-chat        2703/tcp    SMS CHAT
sms-chat        2703/udp    SMS CHAT
sms-remctrl     2704/tcp    SMS REMCTRL
sms-remctrl     2704/udp    SMS REMCTRL
#              Tom Friend <tomfr@microsoft.com>
sds-admin       2705/tcp    SDS Admin
sds-admin       2705/udp    SDS Admin
#              Don Traub <don.traub@sun.com>
ncdmirroring    2706/tcp    NCD Mirroring
ncdmirroring    2706/udp    NCD Mirroring
#              Tim Stevenson <tes@ncd.com>
emcsymapiport   2707/tcp    EMCSYMAPIPORT
emcsymapiport   2707/udp    EMCSYMAPIPORT
#              Bruce Ferjulian <ferjulian_bruce@emc.com>
banyan-net      2708/tcp    Banyan-Net
banyan-net      2708/udp    Banyan-Net
#              R. Thirumurthy <rtm@banyannetworks.com>
supermon        2709/tcp    Supermon
supermon        2709/udp    Supermon
#              Ron Minnich <rminnich@acl.lanl.gov>
sso-service     2710/tcp    SSO Service
sso-service     2710/udp    SSO Service
sso-control     2711/tcp    SSO Control
sso-control     2711/udp    SSO Control
#              Axel Kern <axel.kern@betasystems.com>
aocp            2712/tcp    Axapta Object Communication Protocol
aocp            2712/udp    Axapta Object Communication Protocol
#              Jakob Steen Hansen <jsh@dk.damgaard.com>
raven1          2713/tcp    Raven1
raven1          2713/udp    Raven1
raven2          2714/tcp    Raven2
raven2          2714/udp    Raven2
#              Daniel Sorlov <Daniel@sorlov.com>
hpstgmgr2       2715/tcp    HPSTGMGR2
hpstgmgr2       2715/udp    HPSTGMGR2
#              Kevin Collins <kevinc@cnd.hp.com>
inova-ip-disco  2716/tcp    Inova IP Disco
inova-ip-disco  2716/udp    Inova IP Disco
```

```

#           Chris Koeritz <ckoeritz@inovacorp.com>
pn-requester 2717/tcp  PN REQUESTER
pn-requester 2717/udp  PN REQUESTER
pn-requester2 2718/tcp  PN REQUESTER 2
pn-requester2 2718/udp  PN REQUESTER 2
#           Portnoy Boxman <portnoy_boxman@bmc.com>
scan-change 2719/tcp  Scan & Change
scan-change 2719/udp  Scan & Change
#           Alexander Raji <araji@lucent.com>
wkars        2720/tcp  wkars
wkars        2720/udp  wkars
#           Barry Shelton <bshelton@wirelessknowledge.com>
smart-diagnose 2721/tcp  Smart Diagnose
smart-diagnose 2721/udp  Smart Diagnose
#           Geoffrey Meek <geoff@meek.com>
proactivesrvr 2722/tcp  Proactive Server
proactivesrvr 2722/udp  Proactive Server
#           Dalit Naor <dalit@il.ibm.com>
watchdognt 2723/tcp  WatchDog NT
watchdognt 2723/udp  WatchDog NT
#           Glen Sansoucie <glens@llmwin.com>
qotps        2724/tcp  qotps
qotps        2724/udp  qotps
#           Piotr Parlewicz <pparlewicz@queryobject.com>
msolap-ptp2 2725/tcp  MSOLAP PTP2
msolap-ptp2 2725/udp  MSOLAP PTP2
#           Cristian Petculescu <crisp@microsoft.com>
tams         2726/tcp  TAMS
tams         2726/udp  TAMS
#           David Leinbach <dleinbach@jti.bc.ca>
mgcp-callagent 2727/tcp  Media Gateway Control Protocol Call Agent
mgcp-callagent 2727/udp  Media Gateway Control Protocol Call Agent
#           Christian Huitema <huitema@research.telcordia.com>
sqdr         2728/tcp  SQDR
sqdr         2728/udp  SQDR
#           Matthew Orzen <standards@starquest.com>
tcim-control 2729/tcp  TCIM Control
tcim-control 2729/udp  TCIM Control
#           Dean Skelton <mdskel@ftw.rsc.raytheon.com>
nec-raidplus 2730/tcp  NEC RaidPlus
nec-raidplus 2730/udp  NEC RaidPlus
#           Yusuke Asai <yasai@nw1.file.fc.nec.co.jp>
fyre-messenger 2731/tcp  Fyre Messenger
fyre-messenger 2731/udp  Fyre Messagner
#           Robert Waters <bobtek@hotmail.com>
g5m          2732/tcp  G5M
g5m          2732/udp  G5M
#           Graham Klyne <GK@ACM.ORG>
signet-ctf 2733/tcp  Signet CTF
signet-ctf 2733/udp  Signet CTF
#           Greg Broiles <greg@sac.net>
ccs-software 2734/tcp  CCS Software
ccs-software 2734/udp  CCS Software
#           Bertus Jacobs <bertus@ccs-software.co.za>
netiq-mc     2735/tcp  NetIQ Monitor Console
netiq-mc     2735/udp  NetIQ Monitor Console
#           Scott Southard <scott.southard@netiq.com>

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```
radwiz-nms-srv 2736/tcp RADWIZ NMS SRV
radwiz-nms-srv 2736/udp RADWIZ NMS SRV
# Israel Shainert <israels@209.88.177.2>
srp-feedback 2737/tcp SRP Feedback
srp-feedback 2737/udp SRP Feedback
# Werner Almesberger <Werner.Amesberger@epfl.ch>
ndl-tcp-ois-gw 2738/tcp NDL TCP-OSI Gateway
ndl-tcp-ois-gw 2738/udp NDL TCP-OSI Gateway
# Martin Norman <martin@ndl.co.uk>
tn-timing 2739/tcp TN Timing
tn-timing 2739/udp TN Timing
# Paul Roberts <PaulRoberts@engineer.com>
alarm 2740/tcp Alarm
alarm 2740/udp Alarm
# Uriy Makasjuk <racer@bfpg.ru>
tsb 2741/tcp TSB
tsb 2741/udp TSB
tsb2 2742/tcp TSB2
tsb2 2742/udp TSB2
# Ashish Chatterjee
# <achatterjee@freeway.proxy.lucent.com>
murx 2743/tcp murx
murx 2743/udp murx
# Thomas Kuiper <tkuiper@inxsoft.net>
honyaku 2744/tcp honyaku
honyaku 2744/udp honyaku
# Yasunari Yamashita <yamasita@omronsoft.co.jp>
urbisnet 2745/tcp URBISNET
urbisnet 2745/udp URBISNET
# Urbis.Net Ltd <postmaster@urbis.net>
cpudpencap 2746/tcp CPUDPENCAP
cpudpencap 2746/udp CPUDPENCAP
# Tamir Zegman <zegman@checkpoint.com>
fjippol-swrly 2747/tcp
fjippol-swrly 2747/udp
fjippol-polsvr 2748/tcp
fjippol-polsvr 2748/udp
fjippol-cnsl 2749/tcp
fjippol-cnsl 2749/udp
fjippol-port1 2750/tcp
fjippol-port1 2750/udp
fjippol-port2 2751/tcp
fjippol-port2 2751/udp
# Shoichi Tachibana <tatibana@yk.fujitsu.co.jp>
rsisysaccess 2752/tcp RSISYS ACCESS
rsisysaccess 2752/udp RSISYS ACCESS
# Christophe Besant
de-spot 2753/tcp de-spot
de-spot 2753/udp de-spot
# Sanjay Parekh <spot@digitalenvoy.net>
apollo-cc 2754/tcp APOLLO CC
apollo-cc 2754/udp APOLLO CC
# Brand Communications <donovan@brandcomms.com>
expresspay 2755/tcp Express Pay
expresspay 2755/udp Express Pay
# Ben Higgins <bhiggins@netcom.ca>
simplement-tie 2756/tcp simplement-tie
```

```
simplement-tie 2756/udp  simplement-tie
#                Tzvika Chumash <tzvikac@netvision.net.il>
cnrp          2757/tcp   CNRP
cnrp          2757/udp   CNRP
#                Jacob Ulmert <Jacob.Ulmert@se.abb.com>
apollo-status 2758/tcp   APOLLO Status
apollo-status 2758/udp   APOLLO Status
apollo-gms    2759/tcp   APOLLO GMS
apollo-gms    2759/udp   APOLLO GMS
#                Simon Hovell <simonh@brandcomms.com>
sabams        2760/tcp   Saba MS
sabams        2760/udp   Saba MS
#                Davoud Maha <dmaha@saba.com>
dicom-iscl    2761/tcp   DICOM ISCL
dicom-iscl    2761/udp   DICOM ISCL
dicom-tls     2762/tcp   DICOM TLS
dicom-tls     2762/udp   DICOM TLS
#                Lawrence Tarbox <ltarbox@scr.siemens.com>
desktop-dna   2763/tcp   Desktop DNA
desktop-dna   2763/udp   Desktop DNA
#                Jon Walker <jwalker@miramarsys.com>
data-insurance 2764/tcp   Data Insurance
data-insurance 2764/udp   Data Insurance
#                Brent Irwin <birwin@standard.com>
qip-audup     2765/tcp   qip-audup
qip-audup     2765/udp   qip-audup
#                Mike Morgan <mmorgan@lucent.com>
compaq-scp    2766/tcp   Compaq SCP
compaq-scp    2766/udp   Compaq SCP
#                Ferruccio Barletta <ferruccio.barletta@compaq.com>
uadtc         2767/tcp   UADTC
uadtc         2767/udp   UADTC
uacs          2768/tcp   UACS
uacs          2768/udp   UACS
#                Vishwas Lele <Vishwas_Lele@appliedis.com>
exce          2769/tcp   eXcE
exce          2769/udp   eXcE
#                Norm Freedman <normfree@san.rr.com>
veronica      2770/tcp   Veronica
veronica      2770/udp   Veronica
#                Jonas Oberg <jonas@coyote.org>
vergencecm    2771/tcp   Vergence CM
vergencecm    2771/udp   Vergence CM
#                Mark Morwood <markm@sentillion.com>
auris         2772/tcp   auris
auris         2772/udp   auris
#                Francisco Saez Arance <fsaez@tid.es>
rbakcup1      2773/tcp   RBackup Remote Backup
rbakcup1      2773/udp   RBackup Remote Backup
rbakcup2      2774/tcp   RBackup Remote Backup
rbakcup2      2774/udp   RBackup Remote Backup
#                Rob Cosgrove <rob@alice.net>
smpp          2775/tcp   SMPP
smpp          2775/udp   SMPP
#                Owen Sullivan <owen.sullivan@aldiscon.ie>
ridgeway1     2776/tcp   Ridgeway Systems & Software
ridgeway1     2776/udp   Ridgeway Systems & Software
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ridgeway2 2777/tcp   Ridgeway Systems & Software
ridgeway2 2777/udp   Ridgeway Systems & Software
#                               Steve Read <sread@ridgeway-sys.com>
gwen-sonya 2778/tcp   Gwen-Sonya
gwen-sonya 2778/udp   Gwen-Sonya
#                               Mark Hurst <mhurst@inconnect.com>
lbc-sync   2779/tcp   LBC Sync
lbc-sync   2779/udp   LBC Sync
lbc-control 2780/tcp   LBC Control
lbc-control 2780/udp   LBC Control
#                               Keiji Michine <michine@net.paso.fujitsu.co.jp>
whosells   2781/tcp   whosells
whosells   2781/udp   whosells
#                               William Randolph Royere III
#                               <william@royere.net>
everydayrc 2782/tcp   everydayrc
everydayrc 2782/udp   everydayrc
#                               Ahti Heinla <ahti@ahti.blumoon.ee>
aises      2783/tcp   AISES
aises      2783/udp   AISES
#                               Daniel Grazioli <dgrazioli@pgaero.co.uk>
www-dev    2784/tcp   world wide web - development
www-dev    2784/udp   world wide web - development
aic-np     2785/tcp   aic-np
aic-np     2785/udp   aic-np
#                               Brad Parker <brad@american.com>
aic-oncrpc 2786/tcp   aic-oncrpc - Destiny MCD database
aic-oncrpc 2786/udp   aic-oncrpc - Destiny MCD database
#                               Brad Parker <brad@american.com>
piccolo    2787/tcp   piccolo - Cornerstone Software
piccolo    2787/udp   piccolo - Cornerstone Software
#                               Dave Bellivea <DaveBelliveau@corsof.com>
fryeserv   2788/tcp   NetWare Loadable Module - Seagate Software
fryeserv   2788/udp   NetWare Loadable Module - Seagate Software
#                               Joseph LoPilato
#                               <Joseph_M_LoPilato@notes.seagate.com>
media-agent 2789/tcp   Media Agent
media-agent 2789/udp   Media Agent
#                               Nitzan Daube <nitzan@brm.com>
plgproxy   2790/tcp   PLG Proxy
plgproxy   2790/udp   PLG Proxy
#                               Charlie Hava <charlieh@aks.com>
mtpport-regist 2791/tcp   MT Port Registrar
mtpport-regist 2791/udp   MT Port Registrar
#                               Maxim Tseitlin <mtseitlin@iname.com>
f5-globalsite 2792/tcp   f5-globalsite
f5-globalsite 2792/udp   f5-globalsite
#                               Christian Saether <c.saether@f5.com>
initlsmsad 2793/tcp   initlsmsad
initlsmsad 2793/udp   initlsmsad
#                               Kelly Green <green@compaq.com>
#                               2794   Unassigned (Removed 2006-12-04)
livestats  2795/tcp   LiveStats
livestats  2795/udp   LiveStats
#                               Chris Greene <cgreeneOA@avidports.com>
ac-tech    2796/tcp   ac-tech
ac-tech    2796/udp   ac-tech

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#           Chiming Huang <chuang@ac-tech.com>
esp-encap  2797/tcp   esp-encap
esp-encap  2797/udp   esp-encap
#           Jorn Sierwald <joern.sierwald@datafellows.com>
tmesis-upshot  2798/tcp   TMESIS-UPShot
tmesis-upshot  2798/udp   TMESIS-UPShot
#           Brian Schenkenberger <VAXman@TMESIS.COM>
icon-discover  2799/tcp   ICON Discover
icon-discover  2799/udp   ICON Discover
#           Alexander Falk <falk@icon.at>
acc-raid     2800/tcp   ACC RAID
acc-raid     2800/udp   ACC RAID
#           Scott St. Clair <stclair@ntc.adaptec.com>
igcp         2801/tcp   IGCP
igcp         2801/udp   IGCP
#           David Hampson <davidha@codemasters.com>
veritas-tcp1  2802/tcp   Veritas TCP1
veritas-udp1  2802/udp   Veritas UDP1
#           Russ Thrasher <Russell.Thrasher@veritas.com>
btprjctrl   2803/tcp   btprjctrl
btprjctrl   2803/udp   btprjctrl
#           Huw Thomas <huw.thomas@bt.com>
dvr-esm     2804/tcp   March Networks Digital Video Recorders and
Enterprise Service Manager products
dvr-esm     2804/udp   March Networks Digital Video Recorders and Enterprise
Service Manager products
#           Paul Streach <pstreach@marchnetworks.com> June 2004
wta-wsp-s   2805/tcp   WTA WSP-S
wta-wsp-s   2805/udp   WTA WSP-S
#           Sebastien Bury (WAP Forum)
#           <sebastien.bury@art.alcatel.fr>
cspuni      2806/tcp   cspuni
cspuni      2806/udp   cspuni
cspmulti    2807/tcp   cspmulti
cspmulti    2807/udp   cspmulti
#           Terumasa Yoneda <yonedat@pfu.co.jp>
j-lan-p     2808/tcp   J-LAN-P
j-lan-p     2808/udp   J-LAN-P
#           Takeshi Sahara <sahara@jdl.co.jp>
corbaloc    2809/tcp   CORBA LOC
corbaloc    2809/udp   CORBA LOC
#           Ted McFadden <mcfadden@dstc.edu.au>
netsteward  2810/tcp   Active Net Steward
netsteward  2810/udp   Active Net Steward
#           Keith Morley <keith@ndl.co.uk>
gsiftp     2811/tcp   GSI FTP
gsiftp     2811/udp   GSI FTP
#           Von Welch <vwelch@ncsa.uiuc.edu>
atmtcp     2812/tcp   atmtcp
atmtcp     2812/udp   atmtcp
#           Werner Almesberger <Werner.Almesberger@epfl.ch>
llm-pass    2813/tcp   llm-pass
llm-pass    2813/udp   llm-pass
llm-csv     2814/tcp   llm-csv
llm-csv     2814/udp   llm-csv
#           Glen Sansoucie <glen@llmwin.com>
lbc-measure 2815/tcp   LBC Measurement

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lbc-measure      2815/udp    LBC Measurement
lbc-watchdog    2816/tcp    LBC Watchdog
lbc-watchdog    2816/udp    LBC Watchdog
#               Akiyoshi Ochi <akiyoshi@net.paso.fujitsu.co.jp>
nmsigport       2817/tcp    NMSig Port
nmsigport       2817/udp    NMSig Port
#               Peter Egli <peter.egli@mail.inalp.com>
rmlnk           2818/tcp    rmlnk
rmlnk           2818/udp    rmlnk
fc-faultnotify  2819/tcp    FC Fault Notification
fc-faultnotify  2819/udp    FC Fault Notification
#               Dave Watkins <davew@boi.hp.com>
univision       2820/tcp    UniVision
univision       2820/udp    UniVision
#               Keith Ansell <KeithA@fastfreenet.com>
vrts-at-port    2821/tcp    VERITAS Authentication Service
vrts-at-port    2821/udp    VERITAS Authentication Service
#               Stefan Winkel <stefan@veritas.com>
ka0wuc          2822/tcp    ka0wuc
ka0wuc          2822/udp    ka0wuc
#               Kit Haskins <kit@ka0wuc.org>
cqg-netlan      2823/tcp    CQG Net/LAN
cqg-netlan      2823/udp    CQG Net/LAN
cqg-netlan-1    2824/tcp    CQG Net/LAN 1
cqg-netlan-1    2824/udp    CQG Net/Lan 1
#               Jeff Wood <jw@cqg.com>
#               2825      (unassigned) Possibly assigned
slc-systemlog   2826/tcp    slc systemlog
slc-systemlog   2826/udp    slc systemlog
slc-ctrlrloops 2827/tcp    slc ctrlrloops
slc-ctrlrloops 2827/udp    slc ctrlrloops
#               Erwin Hogeweg <erwin@airtech.demon.nl>
itm-lm          2828/tcp    ITM License Manager
itm-lm          2828/udp    ITM License Manager
#               Portnoy Boxman <portnoy_boxman@bmc.com>
silkp1         2829/tcp    silkp1
silkp1         2829/udp    silkp1
silkp2         2830/tcp    silkp2
silkp2         2830/udp    silkp2
silkp3         2831/tcp    silkp3
silkp3         2831/udp    silkp3
silkp4         2832/tcp    silkp4
silkp4         2832/udp    silkp4
#               Erik Skyten <eki@silknet.com>
glishd         2833/tcp    glishd
glishd         2833/udp    glishd
#               Darrell Schiebel <dschieb@cv.nrao.edu>
evtp           2834/tcp    EVTP
evtp           2834/udp    EVTP
evtp-data      2835/tcp    EVTP-DATA
evtp-data      2835/udp    EVTP-DATA
#               Eric Bruno <ebruno@solution-soft.com>
catalyst       2836/tcp    catalyst
catalyst       2836/udp    catalyst
#               Garret Tollkuhn <garret@multiviewgroup.com>
repliweb       2837/tcp    Repliweb
repliweb       2837/udp    Repliweb

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#           William Orme <bill@repliweb.com>
starbot      2838/tcp   Starbot
starbot      2838/udp   Starbot
#           Markus Sabadello <sabadello@starbot.org>
nmsgport    2839/tcp   NMSigPort
nmsgport    2839/udp   NMSigPort
#           Peter Egli <peter.egli@mail.inalp.com>
l3-exprt    2840/tcp   l3-exprt
l3-exprt    2840/udp   l3-exprt
l3-ranger   2841/tcp   l3-ranger
l3-ranger   2841/udp   l3-ranger
l3-hawk     2842/tcp   l3-hawk
l3-hawk     2842/udp   l3-hawk
#           Dolores Scott <dolores.scott@l-3security.com>
pdnet       2843/tcp   PDnet
pdnet       2843/udp   PDnet
#           Torsten Scheffler <pdnetadmin@pdnet.info>
bpcp-poll   2844/tcp   BPCP POLL
bpcp-poll   2844/udp   BPCP POLL
bpcp-trap   2845/tcp   BPCP TRAP
bpcp-trap   2845/udp   BPCP TRAP
#           Steve Van Duser
<steve.vanduser@bestpower.gensig.com>
aimpp-hello 2846/tcp   AIMPP Hello
aimpp-hello 2846/udp   AIMPP Hello
aimpp-port-req 2847/tcp   AIMPP Port Req
aimpp-port-req 2847/udp   AIMPP Port Req
#           Brian Martinicky
#           <Brian_Martinicky@automationintelligence.com>
amt-blc-port 2848/tcp   AMT-BLC-PORT
amt-blc-port 2848/udp   AMT-BLC-PORT
#           Sandra Frulloni <frulloni.amtec@interbusiness.it>
fxp         2849/tcp   FXP
fxp         2849/udp   FXP
#           Martin Lichtin <lichtin@oanda.com>
metaconsole 2850/tcp   MetaConsole
metaconsole 2850/udp   MetaConsole
#           Rakesh Mahajan <rmahajan@netaphor-software.com>
webemshttp 2851/tcp   webemshttp
webemshttp 2851/udp   webemshttp
#           Stephen Tsun <stsun@jetstream.com>
bears-01    2852/tcp   bears-01
bears-01    2852/udp   bears-01
#           Bruce McKinnon <brucemck@bears.aust.com>
ispipes     2853/tcp   ISPipes
ispipes     2853/udp   ISPipes
#           Rajesh Nandyalam <rnandyal@emc.com>
infomover   2854/tcp   InfoMover
infomover   2854/udp   InfoMover
#           Carla Caputo <caputo@emc.com>
#           2855           Unassigned
cesdinv     2856/tcp   cesdinv
cesdinv     2856/udp   cesdinv
#           Yoshiaki Tokumoto <toku@pfu.co.jp>
simctlp     2857/tcp   SimCtIP
simctlp     2857/udp   SimCtIP
#           Christian Zietz <czietz@gmx.net>

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ecnp      2858/tcp    ECNP
ecnp      2858/udp    ECNP
#          Robert Reimiller <bob@certsoft.com>
activememory 2859/tcp    Active Memory
activememory 2859/udp    Active Memory
#          Joe Graham <joe@edaconsulting.com>
dialpad-voice1 2860/tcp    Dialpad Voice 1
dialpad-voice1 2860/udp    Dialpad Voice 1
dialpad-voice2 2861/tcp    Dialpad Voice 2
dialpad-voice2 2861/udp    Dialpad Voice 2
#          Wongyu Cho <wgcho@dialpad.com>
ttg-protocol 2862/tcp    TTG Protocol
ttg-protocol 2862/udp    TTG Protocol
#          Mark Boler <markb@ttgsoftware.com>
sonardata 2863/tcp    Sonar Data
sonardata 2863/udp    Sonar Data
#          Ian Higginbottom <sonardata@sonardata.com>
astromed-main 2864/tcp    main 5001 cmd
astromed-main 2864/udp    main 5001 cmd
#          Chris Tate <ctate@astromed.com>
pit-vpn      2865/tcp    pit-vpn
pit-vpn      2865/udp    pit-vpn
#          Norbert Sendetzky <norbert@linuxnetworks.de>
iwlistener 2866/tcp    iwlistener
iwlistener 2866/udp    iwlistener
#          Fred Surr <quest_iana@oz.quest.com>
esps-portal 2867/tcp    esps-portal
esps-portal 2867/udp    esps-portal
#          Nicholas Stowfis <nstowfis@esps.com>
npep-messaging 2868/tcp    NPEP Messaging
npep-messaging 2868/udp    NPEP Messaging
#          Kristian A. Bognaes <kbo@norman.no>
icslap      2869/tcp    ICSLAP
icslap      2869/udp    ICSLAP
#          Richard Lamb <rlamb@microsoft.com>
daishi      2870/tcp    daishi
daishi      2870/udp    daishi
#          Patrick Chipman <pchipman@memphis.edu>
msi-selectplay 2871/tcp    MSI Select Play
msi-selectplay 2871/udp    MSI Select Play
#          Paul Fonte <paul_fonte@mediastation.com>
radix       2872/tcp    RADIX
radix       2872/udp    RADIX
#          Stein Roger Skaflothen
#          <sskaflot@online.no>
#          2873      Unassigned (Removed 2003-07-23)
dxmessagebase1 2874/tcp    dxmessagebase1
dxmessagebase1 2874/udp    dxmessagebase1
dxmessagebase2 2875/tcp    dxmessagebase2
dxmessagebase2 2875/udp    dxmessagebase2
#          Ozz Nixon <root@delphix.com>
sps-tunnel 2876/tcp    SPS Tunnel
sps-tunnel 2876/udp    SPS Tunnel
#          Bill McIntosh <bmcintosh@fortresstech.com>
bluelance 2877/tcp    BLUELANCE
bluelance 2877/udp    BLUELANCE
#          Michael Padrezas <mpaderzas@bluelance.com>
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aap          2878/tcp    AAP
aap          2878/udp    AAP
#           Stephen Hanna <steve.hanna@sun.com>
ucentric-ds  2879/tcp    ucentric-ds
ucentric-ds  2879/udp    ucentric-ds
#           Alex Vasilevsky <alexv@204.165.216.115>
synapse      2880/tcp    Synapse Transport
synapse      2880/udp    Synapse Transport
#           Ali Fracyon <sxdev@modulardreams.com>
ndsp         2881/tcp    NDSP
ndsp         2881/udp    NDSP
ndtp         2882/tcp    NDTP
ndtp         2882/udp    NDTP
ndnp         2883/tcp    NDNP
ndnp         2883/udp    NDNP
#           Khelben Blackstaff <khelben@gmx.at>
flashmsg     2884/tcp    Flash Msg
flashmsg     2884/udp    Flash Msg
#           Jeffrey Zinkerman <jeff@zinknet.com>
topflow      2885/tcp    TopFlow
topflow      2885/udp    TopFlow
#           Ted Ross <ross@toplayer.com>
responselogic 2886/tcp    RESPONSELOGIC
responselogic 2886/udp    RESPONSELOGIC
#           Bruce Casey <bcasey@responselogic.com>
aironetddp   2887/tcp    aironet
aironetddp   2887/udp    aironet
#           Victor Griswold <vgris@aironet.com>
spcsdlobby   2888/tcp    SPCSDLOBBY
spcsdlobby   2888/udp    SPCSDLOBBY
#           Matthew Williams <SPCsd_MWDD@hotmail.com>
rsom         2889/tcp    RSOM
rsom         2889/udp    RSOM
#           Justine Higgins <iana@corsof.com>
cspclmulti   2890/tcp    CSPCLMULTI
cspclmulti   2890/udp    CSPCLMULTI
#           Yoneda Terumasa <yonedat@pfu.co.jp>
cinegrfx-elmd 2891/tcp    CINEGRFX-ELMD License Manager
cinegrfx-elmd 2891/udp    CINEGRFX-ELMD License Manager
#           Greg Ercolano <erco@cinegrfx.com>
snifferdata  2892/tcp    SNIFFERDATA
snifferdata  2892/udp    SNIFFERDATA
#           Jeff Mangasarian <jeffrey_mangasarian@nai.com>
vseconnector 2893/tcp    VSECONNECTOR
vseconnector 2893/udp    VSECONNECTOR
#           Ingo Franzki <ifranzki@de.ibm.com>
abacus-remote 2894/tcp    ABACUS-REMOTE
abacus-remote 2894/udp    ABACUS-REMOTE
#           Mike Bello <mbello@zarak.com>
natuslink    2895/tcp    NATUS LINK
natuslink    2895/udp    NATUS LINK
#           Jonathan Mergy <mergy@natus.com>
ecovisiong6-1 2896/tcp    ECOVISIONG6-1
ecovisiong6-1 2896/udp    ECOVISIONG6-1
#           Henrik Holst <henrik.holst@ecovision.se>
citrix-rtmp  2897/tcp    Citrix RTMP
citrix-rtmp  2897/udp    Citrix RTMP

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#                               Myk Willis <myk.willis@citrix.com>
appliance-cfg 2898/tcp  APPLIANCE-CFG
appliance-cfg 2898/udp  APPLIANCE-CFG
#                               Gary A. James <gary.james@criticallink.com>
powergemplus 2899/tcp  POWERGEMPLUS
powergemplus 2899/udp  POWERGEMPLUS
#                               Koich Nakamura <naka@case.nm.fujitsu.co.jp>
quicksuite   2900/tcp  QUICKSUITE
quicksuite   2900/udp  QUICKSUITE
#                               William Egge <begge@emagisoft.com>
allstorcns   2901/tcp  ALLSTORCNS
allstorcns   2901/udp  ALLSTORCNS
#                               Steve Dobson <sdobson@allstor.com>
netaspi      2902/tcp  NET ASPI
netaspi      2902/udp  NET ASPI
#                               Johnson Luo <johnson_luo@mail.sercomm.com.tw>
suitcase     2903/tcp  SUITCASE
suitcase     2903/udp  SUITCASE
#                               Milton E. Sagen <msagen@extensis.com>
m2ua         2904/tcp  M2UA
m2ua         2904/udp  M2UA
m2ua         2904/sctp M2UA
#                               Lyndon Ong <LyOng@ciena.com>
m3ua         2905/tcp  M3UA
#                               De-registered (2001 June 07)
m3ua         2905/udp  De-registered (2001 June 07)
m3ua         2905/sctp M3UA
#                               Lyndon Ong <LyOng@ciena.com>
caller9      2906/tcp  CALLER9
caller9      2906/udp  CALLER9
#                               Shams Naqi <SSNAQVI@aol.com>
webmethods-b2b 2907/tcp  WEBMETHODS B2B
webmethods-b2b 2907/udp  WEBMETHODS B2B
#                               Joseph Hines <jhines@webmethods.com>
mao          2908/tcp  mao
mao          2908/udp  mao
#                               Marc Baudoin <babafou@babafou.eu.org>
funk-dialout 2909/tcp  Funk Dialout
funk-dialout 2909/udp  Funk Dialout
#                               Cimarron Boozer <cboozer@funk.com>
tdaccess     2910/tcp  TDAccess
tdaccess     2910/udp  TDAccess
#                               Tom Haapanen <tomh@metrics.com>
blockade     2911/tcp  Blockade
blockade     2911/udp  Blockade
#                               VP - Research & Development
<development@blockade.com>
epicon       2912/tcp  Epicon
epicon       2912/udp  Epicon
#                               Michael Khalandovsky <mlk@epicon.com>
boosterware  2913/tcp  Booster Ware
boosterware  2913/udp  Booster Ware
#                               Ido Ben-David <dgntcom@netvision.net.il>
gamelobby    2914/tcp  Game Lobby
gamelobby    2914/udp  Game Lobby
#                               Paul Ford-Hutchinson <paulfordh@uk.ibm.com>
tksocket     2915/tcp  TK Socket
tksocket     2915/udp  TK Socket

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# Alan Fahrner <alan@protix.com>
elvin_server 2916/tcp Elvin Server
elvin_server 2916/udp Elvin Server
elvin_client 2917/tcp Elvin Client
elvin_client 2917/udp Elvin Client
# David Arnold <davida@pobox.com>
kastenchasepad 2918/tcp Kasten Chase Pad
kastenchasepad 2918/udp Kasten Chase Pad
# Marc Gauthier <mgau@kastenchase.com>
roboer 2919/tcp roboER
roboer 2919/udp roboER
# Paul Snook <paul.snook@itheon.com>
roboeda 2920/tcp roboEDA
roboeda 2920/udp roboEDA
# Paul Snook <paul.snook@itheon.com>
cesdcdman 2921/tcp CESD Contents Delivery Management
cesdcdman 2921/udp CESD Contents Delivery Management
# Shinya Abe <abeabe@pfu.co.jp>
cesdcdtrn 2922/tcp CESD Contents Delivery Data Transfer
cesdcdtrn 2922/udp CESD Contents Delivery Data Transfer
# Shinya Abe <abeabe@pfu.co.jp>
wta-wsp-wtp-s 2923/tcp WTA-WSP-WTP-S
wta-wsp-wtp-s 2923/udp WTA-WSP-WTP-S
# Sebastien Bury (WAP Forum)
# <sebastien.bury@art.alcatel.fr>
precise-vip 2924/tcp PRECISE-VIP
precise-vip 2924/udp PRECISE-VIP
# Michael Landwehr <mikel@precisesoft.co.il>
# 2925 Unassigned (FRP-Released 12/7/00)
mobile-file-dl 2926/tcp MOBILE-FILE-DL
mobile-file-dl 2926/udp MOBILE-FILE-DL
# Mitsuji Toda <toda@mmedia.mci.mei.co.jp>
unimobilectrl 2927/tcp UNIMOBILECTRL
unimobilectrl 2927/udp UNIMOBILECTRL
# Vikas <vikas@graycell.com>
redstone-cpss 2928/tcp REDSTONE-CPSS
redstone-cpss 2928/udp REDSTONE-CPSS
# Jeff Looman <jeff@looman.org>
amx-webadmin 2929/tcp AMX-WEBADMIN
amx-webadmin 2929/udp AMX-WEBADMIN
# Mike Morris <mike.morris@amx.com>
amx-weblinx 2930/tcp AMX-WEBLINX
amx-weblinx 2930/udp AMX-WEBLINX
# Mike Morris <mike.morris@amx.com>
circle-x 2931/tcp Circle-X
circle-x 2931/udp Circle-X
# Norm Freedman <normfree@worldnet.att.net>
incp 2932/tcp INCP
incp 2932/udp INCP
# Keith Paulsen <kpaulsen@phobos.com>
4-tieropmgw 2933/tcp 4-TIER OPM GW
4-tieropmgw 2933/udp 4-TIER OPM GW
# Francois Peloffy <fpeloffy@4tier.com>
4-tieropmcli 2934/tcp 4-TIER OPM CLI
4-tieropmcli 2934/udp 4-TIER OPM CLI
# Francois Peloffy <fpeloffy@4tier.com>
qtp 2935/tcp QTP

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qtp	2935/udp	QTP
#		Cameron Young <Cameron_Young@inetco.com>
otpatch	2936/tcp	OTPatch
otpatch	2936/udp	OTPatch
#		Brett Goldstein <bgoldstein@opentable.com>
pnaconsult-lm	2937/tcp	PNACONSULT-LM
pnaconsult-lm	2937/udp	PNACONSULT-LM
#		Theo Nijssen <theon@nijssen.nl>
sm-pas-1	2938/tcp	SM-PAS-1
sm-pas-1	2938/udp	SM-PAS-1
sm-pas-2	2939/tcp	SM-PAS-2
sm-pas-2	2939/udp	SM-PAS-2
sm-pas-3	2940/tcp	SM-PAS-3
sm-pas-3	2940/udp	SM-PAS-3
sm-pas-4	2941/tcp	SM-PAS-4
sm-pas-4	2941/udp	SM-PAS-4
sm-pas-5	2942/tcp	SM-PAS-5
sm-pas-5	2942/udp	SM-PAS-5
#		Tom Haapanen <tomh@metrics.com>
ttnrepository	2943/tcp	TTNRepository
ttnrepository	2943/udp	TTNRepository
#		Robert Orr <rorr@teltone.com>
megaco-h248	2944/tcp	Megaco H-248
megaco-h248	2944/udp	Megaco H-248
#		Tom Taylor <taylor@nortelnetworks.com>
megaco-h248	2944/sctp	Megaco-H.248 text
#		Tom Taylor <taylor@nortel.com> September 2006
h248-binary	2945/tcp	H248 Binary
h248-binary	2945/udp	H248 Binary
#		Tom Taylor <taylor@nortelnetworks.com>
h248-binary	2945/sctp	Megaco/H.248 binary
#		Tom Taylor <taylor@nortel.com> September 2006
fjsvmpor	2946/tcp	FJSVmpor
fjsvmpor	2946/udp	FJSVmpor
#		Naoki Hayashi <ha@fjh.se.fujitsu.co.jp>
gpsd	2947/tcp	GPSD
gpsd	2947/udp	GPSD
#		Derrick J. Brashear <shadow@dementia.org>
wap-push	2948/tcp	WAP PUSH
wap-push	2948/udp	WAP PUSH
wap-pushsecure	2949/tcp	WAP PUSH SECURE
wap-pushsecure	2949/udp	WAP PUSH SECURE
#		WAP FORUM <wap-feedback@mail.wapforum.org>
esip	2950/tcp	ESIP
esip	2950/udp	ESIP
#		David Stephenson <david_stephenson@hp.com>
ottp	2951/tcp	OTTP
ottp	2951/udp	OTTP
#		Brent Foster <brent.foster@onstreamsystems.com>
mpfwsas	2952/tcp	MPFWSAS
mpfwsas	2952/udp	MPFWSAS
#		Toru Murai <murai@saint.nm.fujitsu.co.jp>
ovalarmsrv	2953/tcp	OVALARMSRV
ovalarmsrv	2953/udp	OVALARMSRV
ovalarmsrv-cmd	2954/tcp	OVALARMSRV-CMD
ovalarmsrv-cmd	2954/udp	OVALARMSRV-CMD
#		Eric Pulsipher <eric_pulsipher@hp.com>

csnotify	2955/tcp	CSNOTIFY
csnotify	2955/udp	CSNOTIFY
#		Israel Beniaminy <israel.beniaminy@clickservice.com>
ovrimosdbman	2956/tcp	OVRIMOSDBMAN
ovrimosdbman	2956/udp	OVRIMOSDBMAN
#		Dimitrios Souflis <dsouflis@altera.gr>
jmact5	2957/tcp	JAMCT5
jmact5	2957/udp	JAMCT5
jmact6	2958/tcp	JAMCT6
jmact6	2958/udp	JAMCT6
rmopagt	2959/tcp	RMOPAGT
rmopagt	2959/udp	RMOPAGT
#		Shuji Okubo <okubo@yk.fujitsu.co.jp>
dfoxserver	2960/tcp	DFOXSERVER
dfoxserver	2960/udp	DFOXSERVER
#		David Holden <mdh@rentek.net>
boldsoft-lm	2961/tcp	BOLDSOFT-LM
boldsoft-lm	2961/udp	BOLDSOFT-LM
#		Fredrik Haglund <fredik.haglund@boldsoft.com>
iph-policy-cli	2962/tcp	IPH-POLICY-CLI
iph-policy-cli	2962/udp	IPH-POLICY-CLI
iph-policy-adm	2963/tcp	IPH-POLICY-ADM
iph-policy-adm	2963/udp	IPH-POLICY-ADM
#		Shai Herzog <herzog@iphighway.com>
bullant-srap	2964/tcp	BULLANT SRAP
bullant-srap	2964/udp	BULLANT SRAP
bullant-rap	2965/tcp	BULLANT RAP
bullant-rap	2965/udp	BULLANT RAP
#		Michael Cahill <Michael.Cahill@bullant.net>
idp-infotrieve	2966/tcp	IDP-INFOTRIEVE
idp-infotrieve	2966/udp	IDP-INFOTRIEVE
#		Kevin Bruckert <kbruckert@idpco.com>
ssc-agent	2967/tcp	SSC-AGENT
ssc-agent	2967/udp	SSC-AGENT
#		George Dzieciol <gdzieciol@symantec.com>
enpp	2968/tcp	ENPP
enpp	2968/udp	ENPP
#		Kazuhito Gassho <Gassho.Kasuhito@exc.epson.co.jp>
essp	2969/tcp	ESSP
essp	2969/udp	ESSP
#		Hitoshi Ishida <ishida.hitoshi@exc.epson.co.jp>
index-net	2970/tcp	INDEX-NET
index-net	2970/udp	INDEX-NET
#		Chris J. Wren <C.Wren@lucent.com>
netclip	2971/tcp	NetClip clipboard daemon
netclip	2971/udp	NetClip clipboard daemon
#		Rudi Chiarito <nutello@sweetness.com>
pmsm-webrctl	2972/tcp	PMSM Webrctl
pmsm-webrctl	2972/udp	PMSM Webrctl
#		Markus Michels <mimi@pmsmicado.com>
svnetworks	2973/tcp	SV Networks
svnetworks	2973/udp	SV Networks
#		Sylvia Siu <ssiu@svnetworks.com>
signal	2974/tcp	Signal
signal	2974/udp	Signal
#		Wyatt Williams <wyattw@icall.com>
fjmpcm	2975/tcp	Fujitsu Configuration Management Service

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fjmpcm          2975/udp   Fujitsu Configuration Management Service
#              Hiroki Kawano <kawano@saint.nm.fujitsu.co.jp>
cns-srv-port    2976/tcp   CNS Server Port
cns-srv-port    2976/udp   CNS Server Port
#              Ram Golla <rgolla@cisco.com>
ttc-etap-ns     2977/tcp   TTCs Enterprise Test Access Protocol - NS
ttc-etap-ns     2977/udp   TTCs Enterprise Test Access Protocol - NS
ttc-etap-ds     2978/tcp   TTCs Enterprise Test Access Protocol - DS
ttc-etap-ds     2978/udp   TTCs Enterprise Test Access Protocol - DS
#              Daniel Becker <beckerd@ttc.com>
h263-video     2979/tcp   H.263 Video Streaming
h263-video     2979/udp   H.263 Video Streaming
#              Jauvane C. de Oliveira <jauvane@acm.org>
wimd           2980/tcp   Instant Messaging Service
wimd           2980/udp   Instant Messaging Service
#              Kevin Birch <kbirch@pobox.com>
mylxamport     2981/tcp   MYLXAMPORT
mylxamport     2981/udp   MYLXAMPORT
#              Wei Gao <wei@mylex.com>
iwb-whiteboard 2982/tcp   IWB-WHITEBOARD
iwb-whiteboard 2982/udp   IWB-WHITEBOARD
#              David W. Radcliffe <info@radsolution.co.uk>
netplan        2983/tcp   NETPLAN
netplan        2983/udp   NETPLAN
#              Thomas Driemeyer <thomas@bitrot.de>
hpidsadmin     2984/tcp   HPIDSADMIN
hpidsadmin     2984/udp   HPIDSADMIN
hpidsagent     2985/tcp   HPIDSAGENT
hpidsagent     2985/udp   HPIDSAGENT
#              John Trudeau <jtrudeau@cup.hp.com>
stonefalls     2986/tcp   STONEFALLS
stonefalls     2986/udp   STONEFALLS
#              Scott Grau <sgrau@stonefalls.com>
identify       2987/tcp   identify
identify       2987/udp   identify
hippad         2988/tcp   HIPPA Reporting Protocol
hippad         2988/udp   HIPPA Reporting Protocol
#              William Randolph Royere III
#              <william@royere.net>
zarkov         2989/tcp   ZARKOV Intelligent Agent Communication
zarkov         2989/udp   ZARKOV Intelligent Agent Communication
#              Robin Felix <zarkov_port@zarkov.com>
boscap         2990/tcp   BOSCAP
boscap         2990/udp   BOSCAP
#              Dirk Hillbrecht <dirk@hillbrecht.de>
wkstn-mon      2991/tcp   WKSTN-MON
wkstn-mon      2991/udp   WKSTN-MON
#              William David <william.david@lmco.com>
itb301        2992/tcp   ITB301
itb301        2992/udp   ITB301
#              Bodo Rueskamp <br@itchigo.com>
veritas-vis1   2993/tcp   VERITAS VIS1
veritas-vis1   2993/udp   VERITAS VIS1
veritas-vis2   2994/tcp   VERITAS VIS2
veritas-vis2   2994/udp   VERITAS VIS2
#              Dinkar Chivaluri <dinkar@veritas.com>
idrs           2995/tcp   IDRS

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idrs          2995/udp  IDRS
#             Jeff Eaton <jeaton@intermec.com>
vsixml       2996/tcp  vsixml
vsixml       2996/udp  vsixml
#             Rob Juergens <robj@vsi.com>
rebol        2997/tcp  REBOL
rebol        2997/udp  REBOL
#             Holger Kruse <holger@rebol.net>
realsecure  2998/tcp  Real Secure
realsecure  2998/udp  Real Secure
#             Wes Wilson <wwilson@iss.net>
remoteware-un 2999/tcp  RemoteWare Unassigned
remoteware-un 2999/udp  RemoteWare Unassigned
#             Tim Farley <Tim.Farley@xcellenet.com>
hbc         3000/tcp  HBCI
hbc         3000/udp  HBCI
#             Kurt Haubner <haubner@ibm.net>
# The following entry records an unassigned but widespread use
remoteware-cl 3000/tcp  RemoteWare Client
remoteware-cl 3000/udp  RemoteWare Client
#             Tim Farley <Tim.Farley@xcellenet.com>
#             3001      Unassigned (Removed 2006-05-25)
exlm-agent   3002/tcp  EXLM Agent
exlm-agent   3002/udp  EXLM Agent
#             Randy Martin <exlmoc@clermson.edu>
# The following entry records an unassigned but widespread use
remoteware-srv 3002/tcp  RemoteWare Server
remoteware-srv 3002/udp  RemoteWare Server
#             Tim Farley <Tim.Farley@xcellenet.com>
cgms         3003/tcp  CGMS
cgms         3003/udp  CGMS
#             Jim Mazzonna <jmazzonna@tiscom.uscg.mil>
csoftagent   3004/tcp  Csoft Agent
csoftagent   3004/udp  Csoft Agent
#             Nedelcho Stanev <decho@csoft.bg>
geniuslm     3005/tcp  Genius License Manager
geniuslm     3005/udp  Genius License Manager
#             Jakob Spies <Jakob.Spies@genius.de>
ii-admin     3006/tcp  Instant Internet Admin
ii-admin     3006/udp  Instant Internet Admin
#             Lewis Donzis <ldonzis@nortelnetworks.com>
lotusmtap    3007/tcp  Lotus Mail Tracking Agent Protocol
lotusmtap    3007/udp  Lotus Mail Tracking Agent Protocol
#             Ken Lin <klin@us.ibm.com>
midnight-tech 3008/tcp  Midnight Technologies
midnight-tech 3008/udp  Midnight Technologies
#             Kyle Unice <kyle@midnighttech.com>
pxc-ntfy     3009/tcp  PXC-NTFY
pxc-ntfy     3009/udp  PXC-NTFY
#             Takeshi Nishizawa <takeshi@cp10.es.xerox.com>
gw           3010/tcp  Telerate Workstation
ping-pong    3010/udp  Telerate Workstation
#             Timo Sivonen <timo.sivonen@ccmail.dowjones.com>
trusted-web  3011/tcp  Trusted Web
trusted-web  3011/udp  Trusted Web
twsdss       3012/tcp  Trusted Web Client
twsdss       3012/udp  Trusted Web Client

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# Alex Duncan <alex.duncan@sse.ie>
gilatskysurfer 3013/tcp Gilat Sky Surfer
gilatskysurfer 3013/udp Gilat Sky Surfer
# Yossi Gal <yossi@gilat.com>
broker_service 3014/tcp Broker Service
broker_service 3014/udp Broker Service
# Dale Bethers <dbethers@novell.com>
nati-dstp 3015/tcp NATI DSTP
nati-dstp 3015/udp NATI DSTP
# Paul Austin <paul.austin@natinst.com>
notify_srvr 3016/tcp Notify Server
notify_srvr 3016/udp Notify Server
# Hugo Parra <hparra@novell.com>
event_listener 3017/tcp Event Listener
event_listener 3017/udp Event Listener
# Ted Tronson <ttronson@novell.com>
srvc_registry 3018/tcp Service Registry
srvc_registry 3018/udp Service Registry
# Mark Killgore <MKillgore@novell.com>
resource_mgr 3019/tcp Resource Manager
resource_mgr 3019/udp Resource Manager
# Gary Glover <gglover@novell.com>
cifs 3020/tcp CIFS
cifs 3020/udp CIFS
# Paul Leach <paulle@microsoft.com>
agriserver 3021/tcp AGRI Server
agriserver 3021/udp AGRI Server
# Frank Neulichedl <frank@websmile.com>
csregagent 3022/tcp CSREGAGENT
csregagent 3022/udp CSREGAGENT
# Nedelcho Stanev <nstanev@csoft.bg>
magicnotes 3023/tcp magicnotes
magicnotes 3023/udp magicnotes
# Karl Edwall <karl@magicnotes.com>
nds_sso 3024/tcp NDS_SSO
nds_sso 3024/udp NDS_SSO
# Mel Oyler <mel@novell.com>
arepa-raft 3025/tcp Arepa Raft
arepa-raft 3025/udp Arepa Raft
# Stuart Schaefer <sschaefer@softricity.com>
agri-gateway 3026/tcp AGRI Gateway
agri-gateway 3026/udp AGRI Gateway
# Agri Datalog <contact@agri-datalog.com>
LiebDevMgmt_C 3027/tcp LiebDevMgmt_C
LiebDevMgmt_C 3027/udp LiebDevMgmt_C
LiebDevMgmt_DM 3028/tcp LiebDevMgmt_DM
LiebDevMgmt_DM 3028/udp LiebDevMgmt_DM
LiebDevMgmt_A 3029/tcp LiebDevMgmt_A
LiebDevMgmt_A 3029/udp LiebDevMgmt_A
# Mike Velten <Mike_Velten@Liebert.com>
arepa-cas 3030/tcp Arepa Cas
arepa-cas 3030/udp Arepa Cas
# Stuart Schaefer <sschaefer@softricity.com>
eppc 3031/tcp Remote AppleEvents/PPC Toolbox
eppc 3031/udp Remote AppleEvents/PPC Toolbox
# Steve Zellers <zellers@apple.com>
redwood-chat 3032/tcp Redwood Chat

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redwood-chat	3032/udp	Redwood Chat
#		Songwon Chi <swchi@daou.co.kr>
pdb	3033/tcp	PDB
pdb	3033/udp	PDB
#		Don Bowman <don@pixstream.com>
osmosis-aeaa	3034/tcp	Osmosis / Helix (R) AEEA Port
osmosis-aeaa	3034/udp	Osmosis / Helix (R) AEEA Port
#		Larry Atkin <latkin@commongrnd.com>
fjsv-gssagt	3035/tcp	FJSV gssagt
fjsv-gssagt	3035/udp	FJSV gssagt
#		Tomoji Koike <koike@ael.fujitsu.co.jp>
hagel-dump	3036/tcp	Hagel DUMP
hagel-dump	3036/udp	Hagel DUMP
#		Haim Gelfenbeyn <haim@hageltech.com>
hp-san-mgmt	3037/tcp	HP SAN Mgmt
hp-san-mgmt	3037/udp	HP SAN Mgmt
#		Steve Britt <steve_britt@hp.com>
santak-ups	3038/tcp	Santak UPS
santak-ups	3038/udp	Santak UPS
#		Tom Liu <ssc@sc.stk.com.cn>
cogitate	3039/tcp	Cogitate, Inc.
cogitate	3039/udp	Cogitate, Inc.
#		Jim Harlan <jimh@infowest.com>
tomato-springs	3040/tcp	Tomato Springs
tomato-springs	3040/udp	Tomato Springs
#		Jack Waller III <jack@tomatosprings.com>
di-traceware	3041/tcp	di-traceware
di-traceware	3041/udp	di-traceware
#		Carlos Hung <chung@digisle.net>
journee	3042/tcp	journee
journee	3042/udp	journee
#		Kevin Calman <postmaster@journee.com>
brp	3043/tcp	Broadcast Routing Protocol
brp	3043/udp	Broadcast Routing Protocol
#		John Border <border@hns.com>
epp	3044/tcp	EndPoint Protocol
epp	3044/udp	EndPoint Protocol
#		Stephen Cipolli <scipolli@radvision.com>
responsenet	3045/tcp	ResponseNet
responsenet	3045/udp	ResponseNet
#		Chul Yoon <cyoon@responsenetworks.com>
di-ase	3046/tcp	di-ase
di-ase	3046/udp	di-ase
#		Carlos Hung <chung@digisle.net>
hlserver	3047/tcp	Fast Security HL Server
hlserver	3047/udp	Fast Security HL Server
#		Michael Zunke <mzunke@fast-ag.de>
pctrader	3048/tcp	Sierra Net PC Trader
pctrader	3048/udp	Sierra Net PC Trader
#		Chris Hahn <chrish@sierra.net>
nsws	3049/tcp	NSWS
nsws	3049/udp	NSWS
#		Ray Gwinn <p00321@psilink.com>
gds_db	3050/tcp	gds_db
gds_db	3050/udp	gds_db
#		Madhukar N. Thakur <mthakur@interbase.com>
galaxy-server	3051/tcp	Galaxy Server

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galaxy-server      3051/udp   Galaxy Server
#                  Michael Andre <mandre@gts-tkts.com>
apc-3052           3052/tcp   APC 3052
apc-3052           3052/udp   APC 3052
#                  American Power Conversion <ports@apcc.com>
dsom-server       3053/tcp   dsom-server
dsom-server       3053/udp   dsom-server
#                  Daniel Sisk <daniel.sisk@pnl.gov>
amt-cnf-prot      3054/tcp   AMT CNF PROT
amt-cnf-prot      3054/udp   AMT CNF PROT
#                  Marco Marcucci <mmarcucci.amtec@interbusiness.it>
policyserver      3055/tcp   Policy Server
policyserver      3055/udp   Policy Server
#                  Mark Garti <mgarti@sonusnet.com>
cdl-server 3056/tcp   CDL Server
cdl-server 3056/udp   CDL Server
#                  Paul Roberts <PaulRoberts@engineer.com>
goahead-fldup     3057/tcp   GoAhead FldUp
goahead-fldup     3057/udp   GoAhead FldUp
#                  Alan Pickrell <alanp@goahead.com>
videobeans 3058/tcp   videobeans
videobeans 3058/udp   videobeans
#                  Hiroyuki Takahashi <hiro.takahashi@eng.Sun.COM>
qsoft             3059/tcp   qsoft
qsoft             3059/udp   qsoft
#                  James Kunz <jkunz@earlhaig.com>
interserver       3060/tcp   interserver
interserver       3060/udp   interserver
#                  Madhukar N. Thakur <mthakur@interbase.com>
cautcpd           3061/tcp   cautcpd
cautcpd           3061/udp   cautcpd
ncacn-ip-tcp      3062/tcp   ncacn-ip-tcp
ncacn-ip-tcp      3062/udp   ncacn-ip-tcp
ncadg-ip-udp      3063/tcp   ncadg-ip-udp
ncadg-ip-udp      3063/udp   ncadg-ip-udp
#                  Gabi Kalmar <kalga01@cai.com>
rprt              3064/tcp   Remote Port Redirector
rprt              3064/udp   Remote Port Redirector
#                  Robin Johnston <robinj@learningtree.com>
slinterbase      3065/tcp   slinterbase
slinterbase      3065/udp   slinterbase
#                  Bie Tie <stie@interbase.com>
netattachsdmp    3066/tcp   NETATTACHSDMP
netattachsdmp    3066/udp   NETATTACHSDMP
#                  Mike Young <myong@netattach.com>
fjhpjp           3067/tcp   FJHPJP
fjhpjp           3067/udp   FJHPJP
#                  Ryozo Furutani <furutani@np.lps.cs.fujitsu.co.jp>
ls3broadcast     3068/tcp   ls3 Broadcast
ls3broadcast     3068/udp   ls3 Broadcast
ls3               3069/tcp   ls3
ls3               3069/udp   ls3
#                  Jim Thompson <jim.thompson@powerware.com>
mgxswitch        3070/tcp   MGXSWITCH
mgxswitch        3070/udp   MGXSWITCH
#                  George Walter <george.walter@ascentialsoftware.com>
csd-mgmt-port    3071/tcp   ContinuStor Manager Port

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csd-mgmt-port 3071/udp ContinuStor Manager Port
csd-monitor 3072/tcp ContinuStor Monitor Port
csd-monitor 3072/udp ContinuStor Monitor Port
# Ray Jantz <ray.jantz@lsil.com>
vcrp 3073/tcp Very simple chatroom prot
vcrp 3073/udp Very simple chatroom prot
# Andreas Wurf <a.wurf@mediaTools.de>
xbox 3074/tcp Xbox game port
xbox 3074/udp Xbox game port
# Damon Danieli <damond@microsoft.com>
orbix-locator 3075/tcp Orbix 2000 Locator
orbix-locator 3075/udp Orbix 2000 Locator
orbix-config 3076/tcp Orbix 2000 Config
orbix-config 3076/udp Orbix 2000 Config
orbix-loc-ssl 3077/tcp Orbix 2000 Locator SSL
orbix-loc-ssl 3077/udp Orbix 2000 Locator SSL
orbix-cfg-ssl 3078/tcp Orbix 2000 Locator SSL
orbix-cfg-ssl 3078/udp Orbix 2000 Locator SSL
# Eric Newcomer <eric.newcomer@iona.com>
lv-frontpanel 3079/tcp LV Front Panel
lv-frontpanel 3079/udp LV Front Panel
# Darshan Shah <darshan.shah@ni.com>
stm_pproc 3080/tcp stm_pproc
stm_pproc 3080/udp stm_pproc
# Paul McGinnis <pmcginnis@server.stmi.com>
tll-lv 3081/tcp TL1-LV
tll-lv 3081/udp TL1-LV
tll-raw 3082/tcp TL1-RAW
tll-raw 3082/udp TL1-RAW
tll-telnet 3083/tcp TL1-TELNET
tll-telnet 3083/udp TL1-TELNET
# SONET Internetworking Forum (SIF)
# <bwarijsman@lucent.com> - SONET Contact
itm-mccs 3084/tcp ITM-MCCS
itm-mccs 3084/udp ITM-MCCS
# Portnoy Boxman <portnoy_boxman@bmc.com>
pcihreq 3085/tcp PCIHReq
pcihreq 3085/udp PCIHReq
# Paul Sanders <p.sanders@dial.pipex.com>
jdl-dbkitchen 3086/tcp JDL-DBKitchen
jdl-dbkitchen 3086/udp JDL-DBKitchen
# Hideo Wakabayashi <hiwaka@alles.or.jp>
asoki-sma 3087/tcp Asoki SMA
asoki-sma 3087/udp Asoki SMA
# Andrew Mossberg <amossberg@asoki.net>
xdtp 3088/tcp eXtensible Data Transfer Protocol
xdtp 3088/udp eXtensible Data Transfer Protocol
# Michael Shearson <mshearson@peerglobal.com>
ptk-alink 3089/tcp ParaTek Agent Linking
ptk-alink 3089/udp ParaTek Agent Linking
# Robert Hodgson <robert@paratek.co.uk>
stss 3090/tcp Senforce Session Services
stss 3090/udp Senforce Session Services
# Peter Boucher <pboucher@senforce.com>
lci-smcs 3091/tcp lCi Server Management
lci-smcs 3091/udp lCi Server Management
# Ralf Bensmann <iana@lci.de>

```

njffs	3092/tcp	Netware sync services
njffs	3092/udp	Netware sync services
#		Gordon Ross <G.Ross@ccw.gov.uk>
rapidmq-center	3093/tcp	Jiiva RapidMQ Center
rapidmq-center	3093/udp	Jiiva RapidMQ Center
rapidmq-reg	3094/tcp	Jiiva RapidMQ Registry
rapidmq-reg	3094/udp	Jiiva RapidMQ Registry
#		Mark Ericksen <mark@jiiva.com>
panasas	3095/tcp	Panasas rendezvous port
panasas	3095/udp	Panasas rendezvous port
#		Peter Berger <peterb@panasas.com>
ndl-aps	3096/tcp	Active Print Server Port
ndl-aps	3096/udp	Active Print Server Port
#		Martin Norman <martin@ndl.co.uk>
#	3097/tcp	Reserved
#	3097/udp	Reserved
itu-bicc-stc	3097/sctp	ITU-T Q.1902.1/Q.2150.3
#		Greg Sidebottom <gregside@home.com>
umm-port	3098/tcp	Universal Message Manager
umm-port	3098/udp	Universal Message Manager
#		Phil Braham <phil@braham.net>
chmd	3099/tcp	CHIPSY Machine Daemon
chmd	3099/udp	CHIPSY Machine Daemon
#		Trond Børsting <Trond.Borsting@snota.no>
opcon-xps	3100/tcp	OpCon/xps
opcon-xps	3100/udp	OpCon/xps
#		David Bourland <DBourland@smausa.com>
hp-pxpib	3101/tcp	HP PolicyXpert PIB Server
hp-pxpib	3101/udp	HP PolicyXpert PIB Server
#		Brian O'Keefe <bokeefe@cnd.hp.com>
sflavemon	3102/tcp	SoftlinK Slave Mon Port
sflavemon	3102/udp	SoftlinK Slave Mon Port
#		Moshe Livne <moshe@softlinkusa.com>
autocuesmi	3103/tcp	Autocue SMI Protocol
autocuesmi	3103/udp	Autocue SMI Protocol
autocuelog	3104/tcp	Autocue Logger Protocol
autocuetime	3104/udp	Autocue Time Service
#		Geoff Back <geoff@autocue.co.uk>
cardbox	3105/tcp	Cardbox
cardbox	3105/udp	Cardbox
cardbox-http	3106/tcp	Cardbox HTTP
cardbox-http	3106/udp	Cardbox HTTP
#		Martin Kochanski <martin@cardbox.co.uk>
business	3107/tcp	Business protocol
business	3107/udp	Business protocol
geolocate	3108/tcp	Geolocate protocol
geolocate	3108/udp	Geolocate protocol
personnel	3109/tcp	Personnel protocol
personnel	3109/udp	Personnel protocol
#		William Randolph Royere III
#		<william@royere.net>
sim-control	3110/tcp	simulator control port
sim-control	3110/udp	simulator control port
#		Ian Bell <ianb@arca-technologies.com>
wsynch	3111/tcp	Web Synchronous Services
wsynch	3111/udp	Web Synchronous Services
#		Valery Fremaux <vf@eisti.fr>

ksysguard	3112/tcp	KDE System Guard
ksysguard	3112/udp	KDE System Guard
#		Chris Schlaeger <cs@kde.org>
cs-auth-svr	3113/tcp	CS-Authenticate Svr Port
cs-auth-svr	3113/udp	CS-Authenticate Svr Port
#		Cliff Diamond <cdiamond@crypto-solutions.co.uk>
#		Andy Georgiou <ageorgiou@crypto-solutions.co.uk>
ccmad	3114/tcp	CCM AutoDiscover
ccmad	3114/udp	CCM AutoDiscover
#		Ram Sudama <rsudama@on.com>
mctet-master	3115/tcp	MCTET Master
mctet-master	3115/udp	MCTET Master
mctet-gateway	3116/tcp	MCTET Gateway
mctet-gateway	3116/udp	MCTET Gateway
mctet-jserv	3117/tcp	MCTET Jserv
mctet-jserv	3117/udp	MCTET Jserv
#		Portnoy Boxman <portnoy_boxman@bmc.com>
pkagent	3118/tcp	PKAgent
pkagent	3118/udp	PKAgent
#		Michael Douglass <mikedoug@datafoundry.net>
d2000kernel	3119/tcp	D2000 Kernel Port
d2000kernel	3119/udp	D2000 Kernel Port
d2000webserver	3120/tcp	D2000 Webserver Port
d2000webserver	3120/udp	D2000 Webserver Port
#		Tomas Rajcan <trajcan@ipesoft.sk>
#	3121	Unassigned (Removed 2003-09-17)
vtr-emulator	3122/tcp	MTI VTR Emulator port
vtr-emulator	3122/udp	MTI VTR Emulator port
#		John Mertus <mertus@mathtech.com>
edix	3123/tcp	EDI Translation Protocol
edix	3123/udp	EDI Translation Protocol
#		William Randolph Royere III <william@royere.net>
beacon-port	3124/tcp	Beacon Port
beacon-port	3124/udp	Beacon Port
#		James Paul Duncan <pduncan@beaconcrm.com>
a13-an	3125/tcp	A13-AN Interface
a13-an	3125/udp	A13-AN Interface
#		Douglas Knisely <dnk@lucent.com>
ms-dotnetster	3126/tcp	Microsoft .NETster Port
ms-dotnetster	3126/udp	Microsoft .NETster Port
#		Dave Mendlen <davemen@microsoft.com>
ctx-bridge	3127/tcp	CTX Bridge Port
ctx-bridge	3127/udp	CTX Bridge Port
#		Alexander Dubrovsky <dubrovsky_alex@emc.com>
ndl-aas	3128/tcp	Active API Server Port
ndl-aas	3128/udp	Active API Server Port
#		Martin Norman <martin@ndl.co.uk>
netport-id	3129/tcp	NetPort Discovery Port
netport-id	3129/udp	NetPort Discovery Port
#		P.T.K. Farrar <farrarp@tecon.co.uk>
icpv2	3130/tcp	ICPv2
icpv2	3130/udp	ICPv2
#		Duane Wessels <wessels@nlanr.net>
netbookmark	3131/tcp	Net Book Mark
netbookmark	3131/udp	Net Book Mark
#		Yiftach Ravid <yiftach@haifa.vnet.ibm.com>
ms-rule-engine	3132/tcp	Microsoft Business Rule Engine Update Service

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ms-rule-engine 3132/udp Microsoft Business Rule Engine Update Service
# Anush Kumar <anushk@microsoft.com>
prism-deploy 3133/tcp Prism Deploy User Port
prism-deploy 3133/udp Prism Deploy User Port
# Joan Linck <jlinck@lanovation.com>
ecp 3134/tcp Extensible Code Protocol
ecp 3134/udp Extensible Code Protocol
# Jim Trek <jtrek@rochester.rr.com>
# Mark Bocko <bocko@ece.rochester.edu>
peerbook-port 3135/tcp PeerBook Port
peerbook-port 3135/udp PeerBook Port
# John Flowers <jf@gigamediaaccess.com>
grubd 3136/tcp Grub Server Port
grubd 3136/udp Grub Server Port
# Kord Campbell <kord@grub.org>
rtnt-1 3137/tcp rtnt-1 data packets
rtnt-1 3137/udp rtnt-1 data packets
rtnt-2 3138/tcp rtnt-2 data packets
rtnt-2 3138/udp rtnt-2 data packets
# Ron Muellerschoen <rjm@cobra.jpl.nasa.gov>
incognitorv 3139/tcp Incognito Rendez-Vous
incognitorv 3139/udp Incognito Rendez-Vous
# Stephane Bourque <stephb@incognito.com>
ariliamulti 3140/tcp Arilia Multiplexor
ariliamulti 3140/udp Arilia Multiplexor
# Stephane Bourque <sbourque@arilia.com>
vmodem 3141/tcp VMODEM
vmodem 3141/udp VMODEM
# Ray Gwinn <p00321@psilink.com>
rdc-wh-eos 3142/tcp RDC WH EOS
rdc-wh-eos 3142/udp RDC WH EOS
# Udi Nir <udi_nir@ncc.co.il>
seaview 3143/tcp Sea View
seaview 3143/udp Sea View
# Jim Flaherty <jim_e_flaherty@notes.seagate.com>
tarantella 3144/tcp Tarantella
tarantella 3144/udp Tarantella
# Roger Binns <rogerb@sco.com>
csi-lfap 3145/tcp CSI-LFAP
csi-lfap 3145/udp CSI-LFAP
# Paul Amsden <amsden@ctron.com>
bears-02 3146/tcp bears-02
bears-02 3146/udp bears-02
# Bruce McKinnon <brucemck@bearsolutions.com.au>
rfio 3147/tcp RFIO
rfio 3147/udp RFIO
# Frederic Hemmer <Frederic.Hemmer@cern.ch>
nm-game-admin 3148/tcp NetMike Game Administrator
nm-game-admin 3148/udp NetMike Game Administrator
nm-game-server 3149/tcp NetMike Game Server
nm-game-server 3149/udp NetMike Game Server
nm-asses-admin 3150/tcp NetMike Assessor Administrator
nm-asses-admin 3150/udp NetMike Assessor Administrator
nm-assessor 3151/tcp NetMike Assessor
nm-assessor 3151/udp NetMike Assessor
# Andrew Sharpe <help@smartsims.com>
feitianrockey 3152/tcp FeiTian Port

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feitianrockey	3152/udp	FeiTian Port
#		Huang Yu <llw@ftsafes.com>
s8-client-port	3153/tcp	S8Cargo Client Port
s8-client-port	3153/udp	S8Cargo Client Port
#		Jon S. Kyle <JKyle@SpeedwaySoftware.com>
ccmrmi	3154/tcp	ON RMI Registry
ccmrmi	3154/udp	ON RMI Registry
#		Ram Sudama <rsudama@on.com>
jpegmpeg	3155/tcp	JpegMpeg Port
jpegmpeg	3155/udp	JpegMpeg Port
#		Richard Bassous <rbassous@yahoo.com>
indura	3156/tcp	Indura Collector
indura	3156/udp	Indura Collector
#		Bruce Kosbab <bruce.kosbab@indurasoft.com>
e3consultants	3157/tcp	CCC Listener Port
e3consultants	3157/udp	CCC Listener Port
#		Brian Carnell <brian@e3consultants.com>
stvp	3158/tcp	SmashTV Protocol
stvp	3158/udp	SmashTV Protocol
#		Christian Wolff <stvp@smash.tv>
navegaweb-port	3159/tcp	NavegaWeb Tarification
navegaweb-port	3159/udp	NavegaWeb Tarification
#		Miguel Angel Fernandez <maf@tid.es>
tip-app-server	3160/tcp	TIP Application Server
tip-app-server	3160/udp	TIP Application Server
#		Olivier Mascia <om@tipgroup.com>
docllm	3161/tcp	DOC1 License Manager
docllm	3161/udp	DOC1 License Manager
#		Greg Goodson <ggoodson@group1software.co.uk>
sflm	3162/tcp	SFLM
sflm	3162/udp	SFLM
#		System Administrator <sysadmin@silvaco.com>
res-sap	3163/tcp	RES-SAP
res-sap	3163/udp	RES-SAP
#		Bob Janssen <bob@res.nl>
imprs	3164/tcp	IMPRS
imprs	3164/udp	IMPRS
#		Lars Bohn <Lars.Bohn@nokia.com>
newgenpay	3165/tcp	Newgenpay Engine Service
newgenpay	3165/udp	Newgenpay Engine Service
#		Ilan Zisser <ilan@newgenpay.com>
qrepos	3166/tcp	Quest Repository
qrepos	3166/udp	Quest Repository
#		Fred Surr <quest_iana@oz.quest.com>
nowcontact	3167/tcp	Now Contact Public Server
nowcontact	3167/udp	Now Contact Public Server
poweronnud	3168/tcp	Now Up-to-Date Public Server
poweronnud	3168/udp	Now Up-to-Date Public Server
#		John Wallace <john@nowsoftware.com>
serverview-as	3169/tcp	SERVERVIEW-AS
serverview-as	3169/udp	SERVERVIEW-AS
serverview-asn	3170/tcp	SERVERVIEW-ASN
serverview-asn	3170/udp	SERVERVIEW-ASN
serverview-gf	3171/tcp	SERVERVIEW-GF
serverview-gf	3171/udp	SERVERVIEW-GF
serverview-rm	3172/tcp	SERVERVIEW-RM
serverview-rm	3172/udp	SERVERVIEW-RM

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serverview-icc 3173/tcp SERVERVIEW-ICC
serverview-icc 3173/udp SERVERVIEW-ICC
#
# Guenther Kroenert
# <Guenther.Kroenert@fujitsu-siemens.com>
armi-server 3174/tcp ARMI Server
armi-server 3174/udp ARMI Server
#
# Bobby Martin <bobbymartin@hotmail.com>
t1-e1-over-ip 3175/tcp T1_E1_Over_IP
t1-e1-over-ip 3175/udp T1_E1_Over_IP
#
# Mark Doyle <mark@engagecom.com>
ars-master 3176/tcp ARS Master
ars-master 3176/udp ARS Master
#
# Portnoy Boxman <portnoy_boxman@bmc.com>
phonex-port 3177/tcp Phonex Protocol
phonex-port 3177/udp Phonex Protocol
#
# Doug Grover <dgrover@phonex.com>
radclientport 3178/tcp Radiance UltraEdge Port
radclientport 3178/udp Radiance UltraEdge Port
#
# Sri Subramaniam <sri@radiance.com>
h2gf-w-2m 3179/tcp H2GF W.2m Handover prot.
h2gf-w-2m 3179/udp H2GF W.2m Handover prot.
#
# Arne Norefors <Arne.Norefors@ericsson.com>
mc-brk-srv 3180/tcp Millicent Broker Server
mc-brk-srv 3180/udp Millicent Broker Server
#
# Steve Glassman <steveg@pa.dec.com>
bmcpatrolagent 3181/tcp BMC Patrol Agent
bmcpatrolagent 3181/udp BMC Patrol Agent
bmcpatrolrnvu 3182/tcp BMC Patrol Rendezvous
bmcpatrolrnvu 3182/udp BMC Patrol Rendezvous
#
# Portnoy Boxman <portnoy_boxman@bmc.com>
cops-tls 3183/tcp COPS/TLS
cops-tls 3183/udp COPS/TLS
#
# Mark Stevens <mstevens@ellacoya.com>
apogeex-port 3184/tcp ApogeeX Port
apogeex-port 3184/udp ApogeeX Port
#
# Tom Nys <tom.nys.tn@belgium.agfa.com>
smpppd 3185/tcp SuSE Meta PPPD
smpppd 3185/udp SuSE Meta PPPD
#
# Arvin Schnell <arvin@suse.de>
iiw-port 3186/tcp IIW Monitor User Port
iiw-port 3186/udp IIW Monitor User Port
#
# Corey Burnett <corey.burnett@biopop.com>
odi-port 3187/tcp Open Design Listen Port
odi-port 3187/udp Open Design Listen Port
#
# Phivos Aristides <phivos@opendesign.com>
brcm-comm-port 3188/tcp Broadcom Port
brcm-comm-port 3188/udp Broadcom Port
#
# Thomas L. Johnson <tjohnson@broadcom.com>
pcle-infex 3189/tcp Pinnacle Sys InfEx Port
pcle-infex 3189/udp Pinnacle Sys InfEx Port
#
# Anthon van der Neut <anthon@mnt.org>
csvr-proxy 3190/tcp ConServR Proxy
csvr-proxy 3190/udp ConServR Proxy
csvr-sslproxy 3191/tcp ConServR SSL Proxy
csvr-sslproxy 3191/udp ConServR SSL Proxy
#
# Mikhail Kruk <mkruk@biscom.com>
firemonrcc 3192/tcp FireMon Revision Control

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firemonrcc	3192/udp	FireMon Revision Control
#		Michael Bishop <mbishop@fishnetsecurity.com>
spandataport	3193/tcp	SpanDataPort
spandataport	3193/udp	SpanDataPort
#		Jesse McKay <jesse@spandata.com>
magbind	3194/tcp	Rockstorm MAG protocol
magbind	3194/udp	Rockstorm MAG protocol
#		Jens Nilsson <jens@rockstorm.se>
ncu-1	3195/tcp	Network Control Unit
ncu-1	3195/udp	Network Control Unit
ncu-2	3196/tcp	Network Control Unit
ncu-2	3196/udp	Network Control Unit
#		Charlie Hundre <charlie@rdsrv.reco.com.tw>
embrace-dp-s	3197/tcp	Embrace Device Protocol Server
embrace-dp-s	3197/udp	Embrace Device Protocol Server
embrace-dp-c	3198/tcp	Embrace Device Protocol Client
embrace-dp-c	3198/udp	Embrace Device Protocol Client
#		Elliot Schwartz <elliot@mit.edu>
dmod-workspace	3199/tcp	DMOD WorkSpace
dmod-workspace	3199/udp	DMOD WorkSpace
#		Nick Plante <nplante@dmod.com>
tick-port	3200/tcp	Press-sense Tick Port
tick-port	3200/udp	Press-sense Tick Port
#		Boris Svetlitsky <boris@press-sense.com>
cpq-tasksmart	3201/tcp	CPQ-TaskSmart
cpq-tasksmart	3201/udp	CPQ-TaskSmart
#		Jackie Lau <jackie.lau@compaq.com>
intraintra	3202/tcp	IntraIntra
intraintra	3202/udp	IntraIntra
#		Matthew Asham <matthewa@bcwireless.net>
netwatcher-mon	3203/tcp	Network Watcher Monitor
netwatcher-mon	3203/udp	Network Watcher Monitor
netwatcher-db	3204/tcp	Network Watcher DB Access
netwatcher-db	3204/udp	Network Watcher DB Access
#		Hirokazu Fujisawa <fujisawa@pfu.fujitsu.com>
isns	3205/tcp	iSNS Server Port
isns	3205/udp	iSNS Server Port
#		[RFC4171]
ironmail	3206/tcp	IronMail POP Proxy
ironmail	3206/udp	IronMail POP Proxy
#		Mike Hudack <mike@mhudack.com>
vx-auth-port	3207/tcp	Veritas Authentication Port
vx-auth-port	3207/udp	Veritas Authentication Port
#		Senthil Ponnuswamy <senthil@veritas.com>
pfu-prcallback	3208/tcp	PFU PR Callback
pfu-prcallback	3208/udp	PFU PR Callback
#		Tetsuharu Hanada <hanada@pfu.fujitsu.com>
netwkpathengine	3209/tcp	HP OpenView Network Path Engine Server
netwkpathengine	3209/udp	HP OpenView Network Path Engine Server
#		Anthony Walker <anthony_walker@hp.com>
flamenco-proxy	3210/tcp	Flamenco Networks Proxy
flamenco-proxy	3210/udp	Flamenco Networks Proxy
#		Corey Corrick <corey.corrick@flamenconetworks.com>
avsecuremgmt	3211/tcp	Avocent Secure Management
avsecuremgmt	3211/udp	Avocent Secure Management
#		Brian S. Stewart <Brian.Stewart@Avocent.com>
surveyinst	3212/tcp	Survey Instrument

surveyinst	3212/udp	Survey Instrument
#		Al Amet <aamet@point-inc.com>
neon24x7	3213/tcp	NEON 24X7 Mission Control
neon24x7	3213/udp	NEON 24X7 Mission Control
#		Tony Lubrano <tlubrano@neonsys.com>
jmq-daemon-1	3214/tcp	JMQ Daemon Port 1
jmq-daemon-1	3214/udp	JMQ Daemon Port 1
jmq-daemon-2	3215/tcp	JMQ Daemon Port 2
jmq-daemon-2	3215/udp	JMQ Daemon Port 2
#		Martin West <Martin.West@spirit-soft.com>
ferrari-foam	3216/tcp	Ferrari electronic FOAM
ferrari-foam	3216/udp	Ferrari electronic FOAM
#		Johann Deutinger <deutinger@ferrari-electronic.de>
unite	3217/tcp	Unified IP & Telecomm Env
unite	3217/udp	Unified IP & Telecomm Env
#		Christer Gunnarsson
#		<christer.gunnarsson@ascomtateco.se>
smartpackets	3218/tcp	EMC SmartPackets
smartpackets	3218/udp	EMC SmartPackets
#		Steve Spataro <spataro_steve@emc.com>
wms-messenger	3219/tcp	WMS Messenger
wms-messenger	3219/udp	WMS Messenger
#		Michael Monasterio <michael@wmssoftware.com>
xnm-ssl	3220/tcp	XML NM over SSL
xnm-ssl	3220/udp	XML NM over SSL
xnm-clear-text	3221/tcp	XML NM over TCP
xnm-clear-text	3221/udp	XML NM over TCP
#		Mark Trostler <trostler@juniper.net>
glbp	3222/tcp	Gateway Load Balancing Pr
glbp	3222/udp	Gateway Load Balancing Pr
#		Douglas McLaggan <glbp-info@cisco.com>
digivote	3223/tcp	DIGIVOTE (R) Vote-Server
digivote	3223/udp	DIGIVOTE (R) Vote-Server
#		Christian Treczoks <ct@braehler.com>
aes-discovery	3224/tcp	AES Discovery Port
aes-discovery	3224/udp	AES Discovery Port
#		Ken Richard <kenr@aeseducation.com>
fcip-port	3225/tcp	FCIP
fcip-port	3225/udp	FCIP
#		RFC 3821
isi-irp	3226/tcp	ISI Industry Software IRP
isi-irp	3226/udp	ISI Industry Software IRP
#		Peter Sandstrom <peter.sandstrom@tassen.fi>
dwnmshttp	3227/tcp	DiamondWave NMS Server
dwnmshttp	3227/udp	DiamondWave NMS Server
dwmgsrserver	3228/tcp	DiamondWave MSG Server
dwmgsrserver	3228/udp	DiamondWave MSG Server
#		Varma Bhupatiraju <varma@calient.net>
global-cd-port	3229/tcp	Global CD Port
global-cd-port	3229/udp	Global CD Port
#		Vitaly Revsin <vitaly@netapp.com>
sftdst-port	3230/tcp	Software Distributor Port
sftdst-port	3230/udp	Software Distributor Port
#		Andrea Lanza <andrea.lanza@frameweb.it>
dsnl	3231/tcp	Delta Solutions Direct
dsnl	3231/udp	Delta Solutions Direct
#		Peter Ijkhout <peter@deltasolutions.nl>

mdtp	3232/tcp	MDT port
mdtp	3232/udp	MDT port
#		IJsbrand Wijnands <ice@cisco.com>
whisker	3233/tcp	WhiskerControl main port
whisker	3233/udp	WhiskerControl main port
#		Rudolf Cardinal <rudolf@pobox.com> February 2002
alchemy	3234/tcp	Alchemy Server
alchemy	3234/udp	Alchemy Server
#		Mikhail Belov <mikhail@imrgold.com> February 2002
mdap-port	3235/tcp	MDAP port
mdap-port	3235/udp	MDAP Port
#		Johan Deleu <johan.deleu@alcatel.be> February 2002
apparenet-ts	3236/tcp	appareNet Test Server
apparenet-ts	3236/udp	appareNet Test Server
apparenet-tps	3237/tcp	appareNet Test Packet Sequencer
apparenet-tps	3237/udp	appareNet Test Packet Sequencer
apparenet-as	3238/tcp	appareNet Analysis Server
apparenet-as	3238/udp	appareNet Analysis Server
apparenet-ui	3239/tcp	appareNet User Interface
apparenet-ui	3239/udp	appareNet User Interface
#		Fred Klassen <fklassen@jaalam.com> February 2002
triomotion	3240/tcp	Trio Motion Control Port
triomotion	3240/udp	Trio Motion Control Port
#		Tony Matthews <tmatthews@triomotion.com> February
2002		
sysorb	3241/tcp	SysOrb Monitoring Server
sysorb	3241/udp	SysOrb Monitoring Server
#		Jakob Oestergaard <joe@sysorb.com> February 2002
sdp-id-port	3242/tcp	Session Description ID
sdp-id-port	3242/udp	Session Description ID
#		Greg Rose <ggr@qualcomm.com> February 2002
timelot	3243/tcp	Timelot Port
timelot	3243/udp	Timelot Port
#		David Ferguson <dferguson@xtralot.com> February 2002
onesaf	3244/tcp	OneSAF
onesaf	3244/udp	OneSAF
#		Gene McCulley <mcculley@cuspy.com> February 2002
vieo-fe	3245/tcp	VIEO Fabric Executive
vieo-fe	3245/udp	VIEO Fabric Executive
#		James Cox <jocox@view.com> February 2002
dvt-system	3246/tcp	DVT SYSTEM PORT
dvt-system	3246/udp	DVT SYSTEM PORT
dvt-data	3247/tcp	DVT DATA LINK
dvt-data	3247/udp	DVT DATA LINK
#		Phillip Heil <phil.heil@dvtensors.com> February
2002		
procos-lm	3248/tcp	PROCOS LM
procos-lm	3248/udp	PROCOS LM
#		Torsten Rendelmann
#		<torsten.rendelmann@procos.com> February 2002
ssp	3249/tcp	State Sync Protocol
ssp	3249/udp	State Sync Protocol
#		Stephane Beaulieu <stephane@cisco.com> February 2002
hicp	3250/tcp	HMS hicp port
hicp	3250/udp	HMS hicp port
#		Joel Palsson, HMS Industrial Networks AB
#		<ianacontact@hms.se> February 2002

sysscanner	3251/tcp	Sys Scanner
sysscanner	3251/udp	Sys Scanner
#		Dick Georges <georges@monaco.net> February 2002
dhe	3252/tcp	DHE port
dhe	3252/udp	DHE port
#		Fabrizio Massimo Ferrara <fmf@gesi.it> February 2002
pda-data	3253/tcp	PDA Data
pda-data	3253/udp	PDA Data
pda-sys	3254/tcp	PDA System
pda-sys	3254/udp	PDA System
#		Jian Fan <fjian@dmfsys.com> February 2002
semaphore	3255/tcp	Semaphore Connection Port
semaphore	3255/udp	Semaphore Connection Port
#		Jay Eckles <ecklesweb@yahoo.com> February 2002
cpqrpm-agent	3256/tcp	Compaq RPM Agent Port
cpqrpm-agent	3256/udp	Compaq RPM Agent Port
cpqrpm-server	3257/tcp	Compaq RPM Server Port
cpqrpm-server	3257/udp	Compaq RPM Server Port
#		Royal King <royal.king@compaq.com> February 2002
ivecon-port	3258/tcp	Ivecon Server Port
ivecon-port	3258/udp	Ivecon Server Port
#		Serguei Tevs <STevs@ivecon.com> February 2002
epncdp2	3259/tcp	Epson Network Common Devi
epncdp2	3259/udp	Epson Network Common Devi
#		SEIKO EPSON Corporation - Oishi Toshiaki
#		<Oishi.Toshiaki@exc.epson.co.jp> February 2002
iscsi-target	3260/tcp	iSCSI port
iscsi-target	3260/udp	iSCSI port
#		Julian Satran <Julian_Satran@il.ibm.com>
winshadow	3261/tcp	winShadow
winshadow	3261/udp	winShadow
#		Colin Barry <cbarry@gbahn.com>
necp	3262/tcp	NECP
necp	3262/udp	NECP
#		Alberto Cerpa <cerpa@isi.edu>
ecolor-imager	3263/tcp	E-Color Enterprise Imager
ecolor-imager	3263/udp	E-Color Enterprise Imager
#		Tamara Baker <tbaker@ecolor.com>
ccmail	3264/tcp	cc:mail/lotus
ccmail	3264/udp	cc:mail/lotus
#		<brockman@ccmail.com>
altav-tunnel	3265/tcp	Altav Tunnel
altav-tunnel	3265/udp	Altav Tunnel
#		Gary M. Allen <gallen@symantec.com>
ns-cfg-server	3266/tcp	NS CFG Server
ns-cfg-server	3266/udp	NS CFG Server
#		Aivi Lie <LIEA@netsoft.com>
ibm-dial-out	3267/tcp	IBM Dial Out
ibm-dial-out	3267/udp	IBM Dial Out
#		Skip Booth <sbooth@VNET.IBM.COM>
msft-gc	3268/tcp	Microsoft Global Catalog
msft-gc	3268/udp	Microsoft Global Catalog
msft-gc-ssl	3269/tcp	Microsoft Global Catalog with LDAP/SSL
msft-gc-ssl	3269/udp	Microsoft Global Catalog with LDAP/SSL
#		Asaf Kashi <asafk@microsoft.com>
verismart	3270/tcp	Verismart
verismart	3270/udp	Verismart

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#                               Jay Weber <weber@vfi.com>
csoft-prev      3271/tcp      CSoft Prev Port
csoft-prev      3271/udp      CSoft Prev Port
#                               Nedelcho Stanev <decho@iname.com>
user-manager    3272/tcp      Fujitsu User Manager
user-manager    3272/udp      Fujitsu User Manager
#                               Yukihiko Sakurai <y-sakurai@ael.fujitsu.co.jp>
sxmlp           3273/tcp      Simple Extensible Multiplexed Protocol
sxmlp           3273/udp      Simple Extensible Multiplexed Protocol
#                               admin <iana@sightlinesystems.com>
ordinox-server  3274/tcp      Ordinox Server
ordinox-server  3274/udp      Ordinox Server
#                               Denis Ducharme <dducharme@softek.com>
samd            3275/tcp      SAMD
samd            3275/udp      SAMD
#                               Edgar Circenis <ec@fc.hp.com>
maxim-asics     3276/tcp      Maxim ASICs
maxim-asics     3276/udp      Maxim ASICs
#                               Dave Inman <davei@mxim.com>
awg-proxy       3277/tcp      AWG Proxy
awg-proxy       3277/udp      AWG Proxy
#                               Alex McDonald <alexm@an.hp.com>
lkcmserver     3278/tcp      LKCM Server
lkcmserver     3278/udp      LKCM Server
#                               Javier Jimenez
admind          3279/tcp      admind
admind          3279/udp      admind
#                               Jeff Haynes <haynes@chistech.com>
vs-server      3280/tcp      VS Server
vs-server      3280/udp      VS Server
#                               Scott Godlew <Scott@godlew.com>
sysopt         3281/tcp      SYSOPT
sysopt         3281/udp      SYSOPT
#                               Tony Hoffman <ajh@unx.dec.com>
datusorb       3282/tcp      Datusorb
datusorb       3282/udp      Datusorb
#                               Thomas Martin <thomas@datu-usa.com>
net-assistant  3283/tcp      Net Assistant
net-assistant  3283/udp      Net Assistant
#                               Michael Stein <mvs@apple.com>
4talk          3284/tcp      4Talk
4talk          3284/udp      4Talk
#                               Tony Bushnell <tony_bushnell@four-sight.co.uk>
plato          3285/tcp      Plato
plato          3285/udp      Plato
#                               Jim Battin <battin@tro.com>
e-net          3286/tcp      E-Net
e-net          3286/udp      E-Net
#                               Steven Grigsby <sgrigsby@austin.eent.com>
directvdata    3287/tcp      DIRECTVDATA
directvdata    3287/udp      DIRECTVDATA
#                               Michael Friedman <mfr1@worldnet.att.net>
cops           3288/tcp      COPS
cops           3288/udp      COPS
#                               Shai Herzog <herzog@iphighway.com>
enpc           3289/tcp      ENPC
enpc           3289/udp      ENPC

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#                SEIKO EPSON <Ishida.Hitoshi@exc.epson.co.jp>
caps-lm          3290/tcp    CAPS LOGISTICS TOOLKIT - LM
caps-lm          3290/udp    CAPS LOGISTICS TOOLKIT - LM
#                Joseph Krebs <joek@caps.com>
sah-lm           3291/tcp    S A Holditch & Associates - LM
sah-lm           3291/udp    S A Holditch & Associates - LM
#                Randy Hudgens <rrh@mail.holditch.com>
cart-o-rama      3292/tcp    Cart O Rama
cart-o-rama      3292/udp    Cart O Rama
#                Phillip Dillinger <Phillip.Dillinger@sealabs.com>
fg-fps           3293/tcp    fg-fps
fg-fps           3293/udp    fg-fps
fg-gip           3294/tcp    fg-gip
fg-gip           3294/udp    fg-gip
#                Jean-Marc Frailong <jmf@freegate.net>
dyniplookup      3295/tcp    Dynamic IP Lookup
dyniplookup      3295/udp    Dynamic IP Lookup
#                Eugene Osovetsky <eugeneo@geocities.com>
rib-slm          3296/tcp    Rib License Manager
rib-slm          3296/udp    Rib License Manager
#                Kristean Heisler <kh@rib.de>
cytel-lm         3297/tcp    Cytel License Manager
cytel-lm         3297/udp    Cytel License Manager
#                Yogesh P. Gajjar <yogesh@cytel.com>
deskview         3298/tcp    DeskView
deskview         3298/udp    DeskView
#                Manfred Randelzofer
#                <manfred.randelzofer@fujitsu-siemens.com>
pdrncs           3299/tcp    pdrncs
pdrncs           3299/udp    pdrncs
#                Paul Wissenbach <paulwi@vnd.tek.com>
#####          3300-3301  Unauthorized Use by SAP R/3   #####
mcs-fastmail     3302/tcp    MCS Fastmail
mcs-fastmail     3302/udp    MCS Fastmail
#                Patti Jo Newsom <pjn@mcsdallas.com>
opsession-clnt   3303/tcp    OP Session Client
opsession-clnt   3303/udp    OP Session Client
opsession-srvr   3304/tcp    OP Session Server
opsession-srvr   3304/udp    OP Session Server
#                Amir Blich <amir@netmanage.co.il>
odette-ftp       3305/tcp    ODETTE-FTP
odette-ftp       3305/udp    ODETTE-FTP
#                David Nash <dnash@ford.com>
mysql            3306/tcp    MySQL
mysql            3306/udp    MySQL
#                Monty <monty@analytikerna.se>
opsession-prxy   3307/tcp    OP Session Proxy
opsession-prxy   3307/udp    OP Session Proxy
#                Amir Blich <amir@netmanage.co.il>
tns-server       3308/tcp    TNS Server
tns-server       3308/udp    TNS Server
tns-adv          3309/tcp    TNS ADV
tns-adv          3309/udp    TNS ADV
#                Jerome Albin <albin@taec.enet.dec.com>
dyna-access      3310/tcp    Dyna Access
dyna-access      3310/udp    Dyna Access
#                Dave Belliveau

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#                               <DaveBelliveau@cornerstonesoftware.com>
mcns-tel-ret      3311/tcp    MCNS Tel Ret
mcns-tel-ret      3311/udp    MCNS Tel Ret
#                               Randall Atkinson <rja@home.net>
appman-server     3312/tcp    Application Management Server
appman-server     3312/udp    Application Management Server
uorb              3313/tcp    Unify Object Broker
uorb              3313/udp    Unify Object Broker
uohost            3314/tcp    Unify Object Host
uohost            3314/udp    Unify Object Host
#                               Duane Gibson <ianaportmaster@unify.com>
cdid              3315/tcp    CDID
cdid              3315/udp    CDID
#                               Andrew Borisov <hdr@chat.ru>
aicc-cmi          3316/tcp    AICC/CMI
aicc-cmi          3316/udp    AICC/CMI
#                               William McDonald <billmc@atc.boeing.com>
vsaiport         3317/tcp    VSAI PORT
vsaiport         3317/udp    VSAI PORT
#                               Rieko Asai <asai@isl.mei.co.jp>
ssrip            3318/tcp    Swith to Swith Routing Information Protocol
ssrip            3318/udp    Swith to Swith Routing Information Protocol
#                               Baba Hidekazu <baba@flare.nd.net.fujitsu.co.jp>
sdt-lmd          3319/tcp    SDT License Manager
sdt-lmd          3319/udp    SDT License Manager
#                               Salvo Nassisi <sdtech@tin.it>
officelink2000   3320/tcp    Office Link 2000
officelink2000   3320/udp    Office Link 2000
#                               Mike Balch <mbalch@teltone.com>
vnsstr           3321/tcp    VNSSTR
vnsstr           3321/udp    VNSSTR
#                               Takeshi Ohmura <ohmura@isl.mei.co.jp>
active-net       3322-3325  Active Networks
#                               Bob Braden <braden@isi.edu>
sftu             3326/tcp    SFTU
sftu             3326/udp    SFTU
#                               Eduardo Rosenberg de Moura <eduardor@spacenet.com.br>
bbars            3327/tcp    BBARS
bbars            3327/udp    BBARS
#                               Lou Harris <lharris@outlx.bandl.com>
egptlm          3328/tcp    Eaglepoint License Manager
egptlm          3328/udp    Eaglepoint License Manager
#                               Dave Benton <dave.benton@eaglepoint.com>
hp-device-disc   3329/tcp    HP Device Disc
hp-device-disc   3329/udp    HP Device Disc
#                               Shivaun Albright <shivaun_albright@hp.com>
mcs-calypsoicf   3330/tcp    MCS Calypso ICF
mcs-calypsoicf   3330/udp    MCS Calypso ICF
mcs-messaging    3331/tcp    MCS Messaging
mcs-messaging    3331/udp    MCS Messaging
mcs-mailsvr      3332/tcp    MCS Mail Server
mcs-mailsvr      3332/udp    MCS Mail Server
#                               Patti Jo Newsom <pjn@mcsdallas.com>
dec-notes        3333/tcp    DEC Notes
dec-notes        3333/udp    DEC Notes
#                               Kim Moraros <moraros@via.enet.dec.com>
directv-web      3334/tcp    Direct TV Webcasting

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directv-web      3334/udp    Direct TV Webcasting
directv-soft    3335/tcp    Direct TV Software Updates
directv-soft    3335/udp    Direct TV Software Updates
directv-tick    3336/tcp    Direct TV Tickers
directv-tick    3336/udp    Direct TV Tickers
directv-catlg   3337/tcp    Direct TV Data Catalog
directv-catlg   3337/udp    Direct TV Data Catalog
#               Michael Friedman <mfr1@worldnet.att.net>
anet-b          3338/tcp    OMF data b
anet-b          3338/udp    OMF data b
anet-l          3339/tcp    OMF data l
anet-l          3339/udp    OMF data l
anet-m          3340/tcp    OMF data m
anet-m          3340/udp    OMF data m
anet-h          3341/tcp    OMF data h
anet-h          3341/udp    OMF data h
#               Per Sahlqvist <psahlqvi@sw.seisy.abb.se>
webtie         3342/tcp    WebTIE
webtie         3342/udp    WebTIE
#               Kevin Frender <kbf@ngdc.noaa.gov>
ms-cluster-net 3343/tcp    MS Cluster Net
ms-cluster-net 3343/udp    MS Cluster Net
#               Mike Massa <mikemas@microsoft.com>
bnt-manager    3344/tcp    BNT Manager
bnt-manager    3344/udp    BNT Manager
#               Brian J. Ives <Brian.Ives@BadgerNT.com>
influence      3345/tcp    Influence
influence      3345/udp    Influence
#               Russ Ferriday <russf@topia.com>
trnsprntproxy 3346/tcp    Trnsprnt Proxy
trnsprntproxy 3346/udp    Trnsprnt Proxy
#               Grant Kirby <grant_kirby@ccm.al.intel.com>
phoenix-rpc    3347/tcp    Phoenix RPC
phoenix-rpc    3347/udp    Phoenix RPC
#               Ian Anderson <ian_anderson@phoenix.com>
pangolin-laser 3348/tcp    Pangolin Laser
pangolin-laser 3348/udp    Pangolin Laser
#               William Benner <William_Benner@msn.com>
chevinservices 3349/tcp    Chevin Services
chevinservices 3349/udp    Chevin Services
#               Gus McNaughton <gus@chevin.com>
findviatv     3350/tcp    FINDVIATV
findviatv     3350/udp    FINDVIATV
#               Oran Davis <oran@8x8.com>
btrieve        3351/tcp    Btrieve port
btrieve        3351/udp    Btrieve port
ssql           3352/tcp    Scalable SQL
ssql           3352/udp    Scalable SQL
#               Chuck Talk <ctalk@pervasive.com>
fatpipe        3353/tcp    FATPIPE
fatpipe        3353/udp    FATPIPE
#               Sanchaita Datta <sdatta@ragula.com>
suitjd         3354/tcp    SUITJD
suitjd         3354/udp    SUITJD
#               Todd Moyer <tsm@unx.dec.com>
ordinox-dbase  3355/tcp    Ordinox Dbase
ordinox-dbase  3355/udp    Ordinox Dbase

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#                               Denis Ducharme <dducharme@softek.com>
upnotifyps 3356/tcp   UPNOTIFYPS
upnotifyps 3356/udp   UPNOTIFYPS
#                               Mark Fox <markf@uplanet.com>
adtech-test 3357/tcp   Adtech Test IP
adtech-test 3357/udp   Adtech Test IP
#                               Robin Uyeshiro <robin_u@adtech-inc.com>
mpsysrmsvr 3358/tcp   Mp Sys Rmsvr
mpsysrmsvr 3358/udp   Mp Sys Rmsvr
#                               Hiroyuki Kawabuchi <buchi@ael.fujitsu.co.jp>
wg-netforce 3359/tcp   WG NetForce
wg-netforce 3359/udp   WG NetForce
#                               Lee Wheat <wheat@wg.com>
kv-server 3360/tcp   KV Server
kv-server 3360/udp   KV Server
kv-agent 3361/tcp   KV Agent
kv-agent 3361/udp   KV Agent
#                               Thomas Soranno <tom_soranno@cipartners.com>
dj-ilm 3362/tcp   DJ ILM
dj-ilm 3362/udp   DJ ILM
#                               Don Tyson
nati-vi-server 3363/tcp   NATI Vi Server
nati-vi-server 3363/udp   NATI Vi Server
#                               Robert Dye <rob@natinst.com>
creativeserver 3364/tcp   Creative Server
creativeserver 3364/udp   Creative Server
contentserver 3365/tcp   Content Server
contentserver 3365/udp   Content Server
creativepartnr 3366/tcp   Creative Partner
creativepartnr 3366/udp   Creative Partner
#                               Jesus Ortiz <Jesus_A._Ortiz@notes.emotion.com>
satvid-datalnk 3367-3371 Satellite Video Data Link
#                               Scott Engel <ScottX_Engel@ccm.jf.intel.com>
tip2 3372/tcp   TIP 2
tip2 3372/udp   TIP 2
#                               Keith Evans <keith@loc252.tandem.com>
lavenir-lm 3373/tcp   Lavenir License Manager
lavenir-lm 3373/udp   Lavenir License Manager
#                               Marius Matioc <marius@lavenir.com>
cluster-disc 3374/tcp   Cluster Disc
cluster-disc 3374/udp   Cluster Disc
#                               Jeff Hughes <Jeff.Hughes@columbiasc.ncr.com>
vsnm-agent 3375/tcp   VSNM Agent
vsnm-agent 3375/udp   VSNM Agent
#                               Venkat Rangan <venkatr@vitalsigns.com>
cdbroker 3376/tcp   CD Broker
cdbroker 3376/udp   CD Broker
#                               Moon Ho Chung <mchung@esps.com>
cogsys-lm 3377/tcp   Cogsys Network License Manager
cogsys-lm 3377/udp   Cogsys Network License Manager
#                               Simon Chinnick <support@cogsys.co.uk>
wsicopy 3378/tcp   WSICOPY
wsicopy 3378/udp   WSICOPY
#                               James Overby
socorfs 3379/tcp   SOCORFS
socorfs 3379/udp   SOCORFS
#                               Hugo Charbonneau
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sns-channels      3380/tcp    SNS Channels
sns-channels      3380/udp    SNS Channels
#                Shekar Pasumarthi <shekarp@firstfloor.com>
geneous           3381/tcp    Geneous
geneous           3381/udp    Geneous
#                Nick de Smith <nick@desmith.net>
fujitsu-neat     3382/tcp    Fujitsu Network Enhanced Antitheft function
fujitsu-neat     3382/udp    Fujitsu Network Enhanced Antitheft function
#                Markku Viima <markku.viima@team.icl.se>
esp-lm           3383/tcp    Enterprise Software Products License Manager
esp-lm           3383/udp    Enterprise Software Products License Manager
#                George Rudy <george@entsoft.com>
hp-clic          3384/tcp    Cluster Management Services
hp-clic          3384/udp    Hardware Management
#                Rajesh Srinivasaraghavan <srajesh@cup.hp.com>
qnxnetman        3385/tcp    qnxnetman
qnxnetman        3385/udp    qnxnetman
#                Michael Hunter <mphunter@qnx.com>
gprs-data        3386/tcp    GPRS Data
gprs-sig         3386/udp    GPRS SIG
#                Ansgar Bergmann <Ansgar.Bergmann@etsi.fr>
backroomnet      3387/tcp    Back Room Net
backroomnet      3387/udp    Back Room Net
#                Clayton Wilkinson <cwilkinson@carreker.com>
cbserver         3388/tcp    CB Server
cbserver         3388/udp    CB Server
#                Allen Wei <Allen_Wei@arborsoft.com>
ms-wbt-server    3389/tcp    MS WBT Server
ms-wbt-server    3389/udp    MS WBT Server
#                Ritu Bahl <ritub@microsoft.com>
dsc              3390/tcp    Distributed Service Coordinator
dsc              3390/udp    Distributed Service Coordinator
#                Chas Honton <chas@secant.com>
savant           3391/tcp    SAVANT
savant           3391/udp    SAVANT
#                Andy Bruce <franklin_yah@yahoo.com>
efi-lm           3392/tcp    EFI License Management
efi-lm           3392/udp    EFI License Management
#                Ross E. Greinke <greinker@execpc.com>
d2k-tapestry1    3393/tcp    D2K Tapestry Client to Server
d2k-tapestry1    3393/udp    D2K Tapestry Client to Server
d2k-tapestry2    3394/tcp    D2K Tapestry Server to Server
d2k-tapestry2    3394/udp    D2K Tapestry Server to Server
#                Eric Lan <elan@d2k.com>
dyna-lm          3395/tcp    Dyna License Manager (Elam)
dyna-lm          3395/udp    Dyna License Manager (Elam)
#                Anjana Iyer <anjana@dyna.com>
printer_agent    3396/tcp    Printer Agent
printer_agent    3396/udp    Printer Agent
#                Devon Taylor <dtaylor@novell.com>
cloanto-lm       3397/tcp    Cloanto License Manager
cloanto-lm       3397/udp    Cloanto License Manager
#                Takeo Sato <takeo_sato-iana@cloanto.com>
mercantile       3398/tcp    Mercantile
mercantile       3398/udp    Mercantile
#                Erik Kragh Jensen <kragh@inet.uni2.dk>
csms             3399/tcp    CSMS

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csms	3399/udp	CSMS
csms2	3400/tcp	CSMS2
csms2	3400/udp	CSMS2
#		Markus Michels <mimi@cedros.com>
filecast	3401/tcp	filecast
filecast	3401/udp	filecast
#		Eden Sherry <eden@pair.com>
fxaengine-net	3402/tcp	FXa Engine Network Port
fxaengine-net	3402/udp	FXa Engine Network Port
#		Lucas Alonso <luke@demiurgestudios.com> February
2002		
#	3403	De-registered on 2006-10-27
#	3404	Removed (2002-05-01)
nokia-ann-ch1	3405/tcp	Nokia Announcement ch 1
nokia-ann-ch1	3405/udp	Nokia Announcement ch 1
nokia-ann-ch2	3406/tcp	Nokia Announcement ch 2
nokia-ann-ch2	3406/udp	Nokia Announcement ch 2
#		Morteza Kalhour <Morteza.Kalhour@Nokia.com> February
2002		
ldap-admin	3407/tcp	LDAP admin server port
ldap-admin	3407/udp	LDAP admin server port
#		Stephen Tsun <stsun@calient.net> February 2002
issapi	3408/tcp	POWERpack API Port
issapi	3408/udp	POWERpack API Port
#		Colin Griffiths <colin.griffiths@int-link.com>
February 2002		
networklens	3409/tcp	NetworkLens Event Port
networklens	3409/udp	NetworkLens Event Port
networklenss	3410/tcp	NetworkLens SSL Event
networklenss	3410/udp	NetworkLens SSL Event
#		Greg Bailey <gbailey@lxpro.com> February 2002
biolink-auth	3411/tcp	BioLink Authenteon server
biolink-auth	3411/udp	BioLink Authenteon server
#		BioLink Support <reginfo@biolinkusa.com> February
2002		
xmlblaster	3412/tcp	xmlBlaster
xmlblaster	3412/udp	xmlBlaster
#		Marcel Ruff <mr@marcelruff.info> February 2002
svnet	3413/tcp	SpecView Networking
svnet	3413/udp	SpecView Networking
#		Richard Dickins <rad@specview.com> February 2002
wip-port	3414/tcp	BroadCloud WIP Port
wip-port	3414/udp	BroadCloud WIP Port
bcinameservice	3415/tcp	BCI Name Service
bcinameservice	3415/udp	BCI Name Service
#		Dennis Parker <dparker@broadcloud.com> February 2002
commandport	3416/tcp	AirMobile IS Command Port
commandport	3416/udp	AirMobile IS Command Port
#		Mike Klein <m.klein@motorla.com> February 2002
csvr	3417/tcp	ConServR file translation
csvr	3417/udp	ConServR file translation
#		Albert Leung <aleung@biscom.com> February 2002
rnmap	3418/tcp	Remote nmap
rnmap	3418/udp	Remote nmap
#		Tuomo Makinen <tmakinen@pp.htv.fi> February 2002
softaudit	3419/tcp	Isogon SoftAudit
softaudit	3419/udp	ISogon SoftAudit

#		Per Hellberg <phellberg@isogon.com> February 2002
ifcp-port	3420/tcp	iFCP User Port
ifcp-port	3420/udp	iFCP User Port
#		RFC 4172 - September 2005
bmap	3421/tcp	Bull Apprise portmapper
bmap	3421/udp	Bull Apprise portmapper
#		Jeremy Gilbert <J.Gilbert@ma30.bull.com>
rusb-sys-port	3422/tcp	Remote USB System Port
rusb-sys-port	3422/udp	Remote USB System Port
#		Steven Klein <stevek@ionetworks.com> February 2002
xtrm	3423/tcp	xTrade Reliable Messaging
xtrm	3423/udp	xTrade Reliable Messaging
xtrms	3424/tcp	xTrade over TLS/SSL
xtrms	3424/udp	xTrade over TLS/SSL
#		Mats Nilsson <mats.nilsson@xware.se> February 2002
agps-port	3425/tcp	AGPS Access Port
agps-port	3425/udp	AGPS Access Port
#		Kristoffer Nilsson
#		<kristoffer.nilsson@hutchison3g.com> February 2002
arkivio	3426/tcp	Arkivio Storage Protocol
arkivio	3426/udp	Arkivio Storage Protocol
#		Bruce Greenblatt <bruce@arkivio.com> February 2002
websphere-snmp	3427/tcp	WebSphere SNMP
websphere-snmp	3427/udp	WebSphere SNMP
#		Richard Mills <ramills@us.ibm.com> February 2002
twcss	3428/tcp	2Wire CSS
twcss	3428/udp	2Wire CSS
#		2Wire IANA Contact <iana@2wire.com> February 2002
gcsp	3429/tcp	GCSP user port
gcsp	3429/udp	GCSP user port
#		Anirban Majumder <majumderanirban@lycos.com> March
2002		
ssdispatch	3430/tcp	Scott Studios Dispatch
ssdispatch	3430/udp	Scott Studios Dispatch
#		Michael Settles <michael.settles@verizon.net> March
2002		
ndl-als	3431/tcp	Active License Server Port
ndl-als	3431/udp	Active License Server Port
#		Quentin Brown <ndldev@ndl.co.uk> March 2002
osdcp	3432/tcp	Secure Device Protocol
osdcp	3432/udp	Secure Device Protocol
#		Peter Fernandez <fernandez@omnisec.ch> March 2002
alta-smp	3433/tcp	Altaworks Service Management Platform
alta-smp	3433/udp	Altaworks Service Management Platform
#		Ted Macomber <TedM@Altaworks.com> March 2002
opencm	3434/tcp	OpenCM Server
opencm	3434/udp	OpenCM Server
#		Jonathan S. Shapiro <registrar@eros-os.org> March
2002		
pacom	3435/tcp	Pacom Security User Port
pacom	3435/udp	Pacom Security User Port
#		Steve Barton <steveb@pacom.com> March 2002
gc-config	3436/tcp	GuardControl Exchange Protocol
gc-config	3436/udp	GuardControl Exchange Protocol
#		Andreas Schwarz <andi@trancefield.de> March 2002
autocueds	3437/tcp	Autocue Directory Service
autocueds	3437/udp	Autocue Directory Service

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# Geoff Back <geoff@autocue.co.uk> March 2002
spiral-admin 3438/tcp Spiralcraft Admin
spiral-admin 3438/udp Spiralcraft Admin
# Michael Toth <mike@spiralcraft.com> March 2002
hri-port 3439/tcp HRI Interface Port
hri-port 3439/udp HRI Interface Port
# John Fayos <john.fayos@criticallink.com> March 2002
ans-console 3440/tcp Net Steward Mgmt Console
ans-console 3440/udp Net Steward Mgmt Console
# John Richmond <developers@securitydesigners.com>
March 2002
connect-client 3441/tcp OC Connect Client
connect-client 3441/udp OC Connect Client
connect-server 3442/tcp OC Connect Server
connect-server 3442/udp OC Connect Server
# Mike Velten <mike.Velten@liebert.com> March 2002
ov-nnm-websrv 3443/tcp OpenView Network Node Manager WEB Server
ov-nnm-websrv 3443/udp OpenView Network Node Manager WEB Server
# Anthony Walker <anthony_walker@hp.com> March 2002
denali-server 3444/tcp Denali Server
denali-server 3444/udp Denali Server
# Joe Devlin <Joe.Devlin@rocketsoftware.com> March
2002
monp 3445/tcp Media Object Network
monp 3445/udp Media Object Network
# Ron Herardian <rherardi@gssnet.com> March 2002
3comfaxrpc 3446/tcp 3Com FAX RPC port
3comfaxrpc 3446/udp 3Com FAX RPC port
# Christopher Wells <christopher_wells@3com.com> April
2002
directnet 3447/tcp DirectNet IM System
directnet 3447/udp DirectNet IM System
# Gregory Richards <Richards@codu.org> April 2002
dnc-port 3448/tcp Discovery and Net Config
dnc-port 3448/udp Discovery and Net Config
# Chi Chen <chichen@us.ibm.com> April 2002
hotu-chat 3449/tcp HotU Chat
hotu-chat 3449/udp HotU Chat
# Tim Burgess <tim@hotu.com> April 2002
castorproxy 3450/tcp CASTorProxy
castorproxy 3450/udp CASTorProxy
# Raymond J. Young <Raymond.Young@ca.com> April 2002
asam 3451/tcp ASAM Services
asam 3451/udp ASAM Services
# Mike Gossett <mike@omnibond.com> April 2002
sabp-signal 3452/tcp SABP-Signalling Protocol
sabp-signal 3452/udp SABP-Signalling Protocol
# Brendan McWilliams
<brendan.mcwilliams@vf.vodafone.co.uk> April 2002
pscupd 3453/tcp PSC Update Port
pscupd 3453/udp PSC Update Port
# Reid B. Ligon <reid.ligon@pscnet.com>
mira 3454/tcp Apple Remote Access Protocol
# Mike Alexander <mta@um.cc.umich.edu>
prsvp 3455/tcp RSVP Port
prsvp 3455/udp RSVP Port
# Bob Braden <Braden@isi.edu>

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vat	3456/tcp	VAT default data
vat	3456/udp	VAT default data
#		Van Jacobson <van@ee.lbl.gov>
vat-control	3457/tcp	VAT default control
vat-control	3457/udp	VAT default control
#		Van Jacobson <van@ee.lbl.gov>
d3winosfi	3458/tcp	D3WinOSFI
d3winosfi	3458/udp	D3WinOSFI
#		Brad Hamilton <bh@picksys.com>
integral	3459/tcp	TIP Integral
integral	3459/udp	TIP Integral
#		Olivier Mascia <om@tipgroup.com>
edm-manager	3460/tcp	EDM Manger
edm-manager	3460/udp	EDM Manger
edm-stager	3461/tcp	EDM Stager
edm-stager	3461/udp	EDM Stager
edm-std-notify	3462/tcp	EDM STD Notify
edm-std-notify	3462/udp	EDM STD Notify
edm-adm-notify	3463/tcp	EDM ADM Notify
edm-adm-notify	3463/udp	EDM ADM Notify
edm-mgr-sync	3464/tcp	EDM MGR Sync
edm-mgr-sync	3464/udp	EDM MGR Sync
edm-mgr-cntrl	3465/tcp	EDM MGR Cntrl
edm-mgr-cntrl	3465/udp	EDM MGR Cntrl
#		Tom Hennessy <thenn@novadigm.com>
workflow	3466/tcp	WORKFLOW
workflow	3466/udp	WORKFLOW
#		Robert Hufsky <rhufsky@csesys.co.at>
rcst	3467/tcp	RCST
rcst	3467/udp	RCST
#		Kit Sturgeon <Kit@remotecontrolsextoys.com>
ttdcmremotectl	3468/tcp	TTCM Remote Controll
ttdcmremotectl	3468/udp	TTCM Remote Controll
#		Yossi Cohen-Shahar <yossi@proxy.co.il>
pluribus	3469/tcp	Pluribus
pluribus	3469/udp	Pluribus
#		Mark Miller <markm@caplet.com>
jt400	3470/tcp	jt400
jt400	3470/udp	jt400
jt400-ssl	3471/tcp	jt400-ssl
jt400-ssl	3471/udp	jt400-ssl
#		Clifton Nock <cnock@us.ibm.com>
jaugsremotec-1	3472/tcp	JAUGS N-G Remotec 1
jaugsremotec-1	3472/udp	JAUGS N-G Remotec 1
jaugsremotec-2	3473/tcp	JAUGS N-G Remotec 2
jaugsremotec-2	3473/udp	JAUGS N-G Remotec 2
#		Steven B. Cliff <scliff@remotec-andros.com> April
2002		
ttntspauto	3474/tcp	TSP Automation
ttntspauto	3474/udp	TSP Automation
#		Arnie Koster <akoster@teltone.com> April 2002
genisar-port	3475/tcp	Genisar Comm Port
genisar-port	3475/udp	Genisar Comm Port
#		Candace Niccolson <cniccolson@genisar.com> April
2002		
nppmp	3476/tcp	NVIDIA Mgmt Protocol
nppmp	3476/udp	NVIDIA Mgmt Protocol

#		Gilbert Yeung <gyeung@nvidia.com> April 2002
ecomm	3477/tcp	eComm link port
ecomm	3477/udp	eComm link port
#		Thomas Soerensen <thomassoerensen@stofanet.dk> April
2002		
nat-stun-port	3478/tcp	Simple Traversal of UDP Through NAT (STUN) port
nat-stun-port	3478/udp	Simple Traversal of UDP Through NAT (STUN) port
#		Jonathan Rosenberg <jdrosen@dynamicsoft.com> April
2002		
twrpc	3479/tcp	2Wire RPC
twrpc	3479/udp	2Wire RPC
#		2Wire IANA Contact <iana@2wire.com> April 2002
plethora	3480/tcp	Secure Virtual Workspace
plethora	3480/udp	Secure Virtual Workspace
#		Tim Simms <tsimms@plethoratech.com> April 2002
cleanerliverc	3481/tcp	CleanerLive remote ctrl
cleanerliverc	3481/udp	CleanerLive remote ctrl
#		David Mojdehi <david.mojdehi@autodesk.com> April
2002		
vulture	3482/tcp	Vulture Monitoring System
vulture	3482/udp	Vulture Monitoring System
#		Jason Santos <jason.santos@megaslow.net> April 2002
slim-devices	3483/tcp	Slim Devices Protocol
slim-devices	3483/udp	Slim Devices Protocol
#		Sean Adams <sean@slimdevices.com> May 2002
gbs-stp	3484/tcp	GBS SnapTalk Protocol
gbs-stp	3484/udp	GBS SnapTalk Protocol
#		Eric Harris-Braun <eric@glassbead.com> May 2002
celatalk	3485/tcp	CelaTalk
celatalk	3485/udp	CelaTalk
#		Carl Blundell <cblundell@celador.co.uk> May 2002
ifsf-hb-port	3486/tcp	IFSF Heartbeat Port
ifsf-hb-port	3486/udp	IFSF Heartbeat Port
#		IFSF Secretary <secretary@ifsf.org> May 2002
ltctcp	3487/tcp	LISA TCP Transfer Channel
lrcudp	3487/udp	LISA UDP Transfer Channel
#		Pit Vetterick <pit@3dgo.com> May 2002
fs-rh-srv	3488/tcp	FS Remote Host Server
fs-rh-srv	3488/udp	FS Remote Host Server
#		Brian Nickles <RogueSpear91@hotmail.com> May 2002
dtp-dia	3489/tcp	DTP/DIA
dtp-dia	3489/udp	DTP/DIA
#		Alexei V. Soloviev <avsolov@lab127.karelia.ru> May
2002		
colubris	3490/tcp	Colubris Management Port
colubris	3490/udp	Colubris Management Port
#		Gilbert Moineau <gilbert.moineau@colubris.com> May
2002		
swr-port	3491/tcp	SWR Port
swr-port	3491/udp	SWR Port
#		Ian Manning <imanning@dtsuk.com> May 2002
tvdumtray-port	3492/tcp	TVDUM Tray Port
tvdumtray-port	3492/udp	TVDUM Tray Port
#		Peter Boers <boers@isisglobal.nl> May 2002
nut	3493/tcp	Network UPS Tools
nut	3493/udp	Network UPS Tools
#		Russell Kroll <nut-iana@exploits.org> May 2002

ibm3494	3494/tcp	IBM 3494
ibm3494	3494/udp	IBM 3494
#		Jeffrey Pilch <jpilch@us.ibm.com>
seclayer-tcp	3495/tcp	securitylayer over tcp
seclayer-tcp	3495/udp	securitylayer over tcp
seclayer-tls	3496/tcp	securitylayer over tls
seclayer-tls	3496/udp	securitylayer over tls
#		Arno Hollosi <arno.hollosi@cio.gv.at> March 2002
ipether232port	3497/tcp	ipEther232Port
ipether232port	3497/udp	ipEther232Port
#		Marcus Leufgen <leufgen@ipc.as.de> May 2002
dashpas-port	3498/tcp	DASHPAS user port
dashpas-port	3498/udp	DASHPAS user port
#		Albrecht Mayer <albrecht.mayer@infineon.com> May 2002
sccip-media	3499/tcp	SccIP Media
sccip-media	3499/udp	SccIP Media
#		David Yon <dyon@dialout.net> May 2002
rtmp-port	3500/tcp	RTMP Port
rtmp-port	3500/udp	RTMP Port
#		Miriam Wohlgelernter <miriamw@adirtech.com>
isoft-p2p	3501/tcp	iSoft-P2P
isoft-p2p	3501/udp	iSoft-P2P
#		David Walling <dwalling@isoft.com>
avinstalldisc	3502/tcp	Avocent Install Discovery
avinstalldisc	3502/udp	Avocent Install Discovery
#		Brian S. Stewart <Brian.Stewart@Avovent.com>
lsp-ping	3503/tcp	MPLS LSP-echo Port
lsp-ping	3503/udp	MPLS LSP-echo Port
#		Ping Pan <pingpan@juniper.net>
ironstorm	3504/tcp	IronStorm game server
ironstorm	3504/udp	IronStorm game server
#		Arnaud Clermonte <clermonte@4xtechnologies.com>
ccmcomm	3505/tcp	CCM communications port
ccmcomm	3505/udp	CCM communications port
#		Tom Bougan <tomb@apptechsys.com>
apc-3506	3506/tcp	APC 3506
apc-3506	3506/udp	APC 3506
#		American Power Conversion <ports@apcc.com>
nesh-broker	3507/tcp	Nesh Broker Port
nesh-broker	3507/udp	Nesh Broker Port
#		Jeremy Maiden <jeremy@komarr.demon.co.uk>
interactionweb	3508/tcp	Interaction Web
interactionweb	3508/udp	Interaction Web
#		Mike Gagle <mikeg@inin.com>
vt-ssl	3509/tcp	Virtual Token SSL Port
vt-ssl	3509/udp	Virtual Token SSL Port
#		Libor Sykora <libor.sykora@st.com> May 2002
xss-port	3510/tcp	XSS Port
xss-port	3510/udp	XSS Port
#		Joe Purcell <jpurcell@ensuretech.com> May 2002
webmail-2	3511/tcp	WebMail/2
webmail-2	3511/udp	WebMail/2
#		Dimitris Michelinakis <dimitris@michelinakis.gr> May 2002
aztec	3512/tcp	Aztec Distribution Port
aztec	3512/udp	Aztec Distribution Port

#		Alan Francis <AlanF@zonal.co.uk> May 2002
arcpd	3513/tcp	Adaptec Remote Protocol
arcpd	3513/udp	Adaptec Remote Protocol
#		Hardy Doelfel <hardy_doelfel@adaptec.com> May 2002
must-p2p	3514/tcp	MUST Peer to Peer
must-p2p	3514/udp	MUST Peer to Peer
must-backplane	3515/tcp	MUST Backplane
must-backplane	3515/udp	MUST Backplane
#		Rick Stefanik <r.stefanik@gatelinx.com> May 2002
smartcard-port	3516/tcp	Smartcard Port
smartcard-port	3516/udp	Smartcard Port
#		Scott Guthery <sguthery@mobile-mind.com> May 2002
802-11-iapp	3517/tcp	IEEE 802.11 WLANs WG IAPP
802-11-iapp	3517/udp	IEEE 802.11 WLANs WG IAPP
#		Stuart J. Kerry (Chair IEEE 802.11 WG)
#		<stuart@ok-brit.com> May 2002
artifact-msg	3518/tcp	Artifact Message Server
artifact-msg	3518/udp	Artifact Message Server
#		Ron Capwell <ron@artifactsoftware.com> June 2002
nvmsgd	3519/tcp	Netvion Messenger Port
galileo	3519/udp	Netvion Galileo Port
galileolog	3520/tcp	Netvion Galileo Log Port
galileolog	3520/udp	Netvion Galileo Log Port
#		Ray Caruso <ray.caruso@netvion.com> June 2002
mc3ss	3521/tcp	Telequip Labs MC3SS
mc3ss	3521/udp	Telequip Labs MC3SS
#		Michael Sparks <msparks@telequiplabs.com> June 2002
nsocketport	3522/tcp	DO over NSSocketPort
nsocketport	3522/udp	DO over NSSocketPort
#		Douglas Davidson <drd@apple.com> June 2002
odeumservlink	3523/tcp	Odeum Serverlink
odeumservlink	3523/udp	Odeum Serverlink
#		Mads Peter Back <iana-contact@webhouse.dk> June 2002
ecmport	3524/tcp	ECM Server port
ecmport	3524/udp	ECM Server port
eisport	3525/tcp	EIS Server port
eisport	3525/udp	EIS Server port
#		Paul Kraus <paul.kraus@veritas.com> June 2002
starquiz-port	3526/tcp	starQuiz Port
starquiz-port	3526/udp	starQuiz Port
#		Adam Ernst <contact@cosmicsoft.net> June 2002
beserver-msg-q	3527/tcp	VERITAS Backup Exec Server
beserver-msg-q	3527/udp	VERITAS Backup Exec Server
#		Katherine Wattwood <katherine.wattwood@veritas.com>
June 2002		
jboss-iiop	3528/tcp	JBoss IIOP
jboss-iiop	3528/udp	JBoss IIOP
jboss-iiop-ssl	3529/tcp	JBoss IIOP/SSL
jboss-iiop-ssl	3529/udp	JBoss IIOP/SSL
#		Francisco Reverbel <reverbel@ime.usp.br> June 2002
gf	3530/tcp	Grid Friendly
gf	3530/udp	Grid Friendly
#		Daivd P. Chassin <david.chassin@pnl.gov> June 2002
joltid	3531/tcp	Joltid
joltid	3531/udp	Joltid
#		Ahti Heinla <ahti@ahti.blumoon.ee> June 2002
raven-rmp	3532/tcp	Raven Remote Management Control

raven-rmp	3532/udp	Raven Remote Management Control
raven-rdp	3533/tcp	Raven Remote Management Data
raven-rdp	3533/udp	Raven Remote Management Data
#		Daniel Sorlov <daniel@sorlov.com> June 2002
urld-port	3534/tcp	URL Daemon Port
urld-port	3534/udp	URL Daemon Port
#		Jim Binkley <jrb@cs.pdx.edu> June 2002
ms-la	3535/tcp	MS-LA
ms-la	3535/udp	MS-LA
#		Eric Ledoux <ericle@microsoft.com>
snac	3536/tcp	SNAC
snac	3536/udp	SNAC
#		Tatsuya Igarashi <Tatsuya.Igarashi@jp.sony.com> July 2002
ni-visa-remote	3537/tcp	Remote NI-VISA port
ni-visa-remote	3537/udp	Remote NI-VISA port
#		Sinnadurai Dharshan <sinnadurai.dharshan@ni.com>
July 2002		
ibm-diradm	3538/tcp	IBM Directory Server
ibm-diradm	3538/udp	IBM Directory Server
ibm-diradm-ssl	3539/tcp	IBM Directory Server SSL
ibm-diradm-ssl	3539/udp	IBM Directory Server SSL
#		Mark Cavage <mcavage@us.ibm.com> July 2002
pnrp-port	3540/tcp	PNRP User Port
pnrp-port	3540/udp	PNRP User Port
#		Igor Kostic <igoriko@microsoft.com> July 2002
voispeed-port	3541/tcp	VoiSpeed Port
voispeed-port	3541/udp	VoiSpeed Port
#		Virgilio Lattanzi <virgilio@harpax.com> July 2002
hacl-monitor	3542/tcp	HA cluster monitor
hacl-monitor	3542/udp	HA cluster monitor
#		Jason Ko <jason_ko@hp.com> July 2002
qftest-lookup	3543/tcp	qftest Lookup Port
qftest-lookup	3543/udp	qftest Lookup Port
#		Gregor Schmid <gs@qfs.de> July 2002
teredo	3544/tcp	Teredo Port
teredo	3544/udp	Teredo Port
#		Dave Thaler <dthaler@microsoft.com> July 2002
camac	3545/tcp	CAMAC equipment
camac	3545/udp	CAMAC equipment
#		Eugene Zhiganov <zed@dfc3300.karelia.ru> July 2002
#	3546	Unassigned (removed September 2002)
symantec-sim	3547/tcp	Symantec SIM
symantec-sim	3547/udp	Symantec SIM
#		George Dzieciol <gdzieciol@symantec.com> July 2002
interworld	3548/tcp	Interworld
interworld	3548/udp	Interworld
#		John Stephen <iana@mundocani.com> July 2002
tellumat-nms	3549/tcp	Tellumat MDR NMS
tellumat-nms	3549/udp	Tellumat MDR NMS
#		Hennie van der Merwe <hvandermerwe@tellumat.com>
July 2002		
ssmpps	3550/tcp	Secure SMPP
ssmpps	3550/udp	Secure SMPP
#		Cormac Long <webmaster@smsforum.net> July 2002
apcupsd	3551/tcp	Apcupsd Information Port
apcupsd	3551/udp	Apcupsd Information Port

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# Riccardo Facchetti <riccardo@inetcosmos.org> July
2002
taserver      3552/tcp    TeamAgenda Server Port
taserver      3552/udp    TeamAgenda Server Port
# Dany Ayotte <ayotte@teamssoft.com> July 2002
rbr-discovery 3553/tcp    Red Box Recorder ADP
rbr-discovery 3553/udp    Red Box Recorder ADP
# Simon Jolly <simon.jolly@origin-data.co.uk> July
2002
questnotify   3554/tcp    Quest Notification Server
questnotify   3554/udp    Quest Notification Server
# Rob Griffin <quest_iana@oz.quest.com> July 2002
razor         3555/tcp    Vipul's Razor
razor         3555/udp    Vipul's Razor
# Vipul Ved Prakash <mail@vipul.net> July 2002
sky-transport 3556/tcp    Sky Transport Protocol
sky-transport 3556/udp    Sky Transport Protocol
# Michael Paddon <michael.paddon@activesky.com> July
2002
personalos-001 3557/tcp    PersonalOS Comm Port
personalos-001 3557/udp    PersonalOS Comm Port
# Shane Roberts <shane@shaneroberts.com> July 2002
mcp-port      3558/tcp    MCP user port
mcp-port      3558/udp    MCP user port
# Professor Paul S. Wang <pwang@cs.kent.edu> July 2002
cctv-port     3559/tcp    CCTV control port
cctv-port     3559/udp    CCTV control port
# John Skidmore <JSkidmore@vicon-cctv.com> July 2002
iniserive-port 3560/tcp    INIServe port
iniserive-port 3560/udp    INIServe port
# Peter Moylan <peter@ee.newcastle.edu.au> August 2002
bmc-onekey    3561/tcp    BMC-OneKey
bmc-onekey    3561/udp    BMC-OneKey
# Portnoy Boxman <portnoy_boxman@bmc.com> August 2002
sdbproxy      3562/tcp    SDBProxy
sdbproxy      3562/udp    SDBProxy
# Eric Grange <egrange@creative-it.net> August 2002
watcomdebug   3563/tcp    Watcom Debug
watcomdebug   3563/udp    Watcom Debug
# Dave Neudoerffer <Dave.Neudoerffer@ianywhere.com>
esimport      3564/tcp    Electromed SIM port
esimport      3564/udp    Electromed SIM port
# Francois Marchand <francois.marchand@electromed.com>
August 2002
m2pa          3565/tcp    M2PA
m2pa          3565/sctp   M2PA
# [RFC4165]
quest-launcher 3566/tcp    Quest Agent Manager
quest-launcher 3566/udp    Quest Agent Manager
# Eyal Kalderon <eyal.kalderon@quest.com> April 2002
oap           3567/tcp    Object Access Protocol
oap           3567/udp    Object Access Protocol
# Bryant Eastham <protocols@slc.mew.com> August 2002
oap-s         3568/tcp    Object Access Protocol over SSL
oap-s         3568/udp    Object Access Protocol over SSL
# Bryant Eastham <protocols@slc.mew.com> January 2003
mbg-ctrl      3569/tcp    Meinberg Control Service

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mbg-ctrl	3569/udp	Meinberg Control Service
#		Martin Burnicki <martin.burnicki@meinberg.de> August
2002		
mccwebsvr-port	3570/tcp	MCC Web Server Port
mccwebsvr-port	3570/udp	MCC Web Server Port
megardsvr-port	3571/tcp	MegaRAID Server Port
megardsvr-port	3571/udp	MegaRAID Server Port
megaregsvrport	3572/tcp	Registration Server Port
megaregsvrport	3572/udp	Registration Server Port
#		Sreenivas Bagalkote <sreenib@lsil.com> August 2002
tag-ups-1	3573/tcp	Advantage Group UPS Suite
tag-ups-1	3573/udp	Advantage Group UPS Suite
#		James Goddard <jamesg@taglim.com> August 2002
dmaf-server	3574/tcp	DMAF Server
dmaf-caster	3574/udp	DMAF Caster
#		Ramakrishna Nadendla <rama_nadendla@agilent.com>
August 2002		
ccm-port	3575/tcp	Coalsere CCM Port
ccm-port	3575/udp	Coalsere CCM Port
cmc-port	3576/tcp	Coalsere CMC Port
cmc-port	3576/udp	Coalsere CMC Port
#		Chris Hawkinson <chawkinson@coalsere.com> August
2002		
config-port	3577/tcp	Configuration Port
config-port	3577/udp	Configuration Port
data-port	3578/tcp	Data Port
data-port	3578/udp	Data Port
#		Anupam Bharali <ianaports@juniper.net> August 2002
ttat3lb	3579/tcp	Tarantella Load Balancing
ttat3lb	3579/udp	Tarantella Load Balancing
#		Jim Musgrave <jimm@tarantella.com> August 2002
nati-svrloc	3580/tcp	NATI-ServiceLocator
nati-svrloc	3580/udp	NATI-ServiceLocator
#		Jason Case <jason.case@ni.com> August 2002
kfxaclicensing	3581/tcp	Ascent Capture Licensing
kfxaclicensing	3581/udp	Ascent Capture Licensing
#		Brad Hamilton <brad_hamilton@kofax.com> August 2002
press	3582/tcp	PEG PRESS Server
press	3582/udp	PEG PRESS Server
#		Jim DeLisle <jdelisle@swellsoftware.com> August 2002
canex-watch	3583/tcp	CANEX Watch System
canex-watch	3583/udp	CANEX Watch System
#		Peter Kollath <peter.kollath@canex.sk> August 2002
u-dbap	3584/tcp	U-DBase Access Protocol
u-dbap	3584/udp	U-DBase Access Protocol
#		Bodo Rueskamp <br@itchigo.com> August 2002
emprise-lls	3585/tcp	Emprise License Server
emprise-lls	3585/udp	Emprise License Server
emprise-lsc	3586/tcp	License Server Console
emprise-lsc	3586/udp	License Server Console
#		James J. Diaz <JDiaz@EmpriseCorporation.com> August
2002		
p2pgroup	3587/tcp	Peer to Peer Grouping
p2pgroup	3587/udp	Peer to Peer Grouping
#		Igor Kostic <igor@microsoft.com> August 2002
sentinel	3588/tcp	Sentinel Server
sentinel	3588/udp	Sentinel Server

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# Ian Gordon <ian.s.gordon@btopenworld.com> August
2002
isomair 3589/tcp isomair
isomair 3589/udp isomair
# Richard Fleming <richard@apoapsis.com> August 2002
wv-csp-sms 3590/tcp WV CSP SMS Binding
wv-csp-sms 3590/udp WV CSP SMS Binding
# Matti Salmi <matti.salmi@nokia.com> August 2002
gtrack-server 3591/tcp LOCANIS G-TRACK Server
gtrack-server 3591/udp LOCANIS G-TRACK Server
gtrack-ne 3592/tcp LOCANIS G-TRACK NE Port
gtrack-ne 3592/udp LOCANIS G-TRACK NE Port
# Juergen.Edelhaeuser
<Juergen.Edelhaeuser@locanis.com> August 2002
bpmd 3593/tcp BP Model Debugger
bpmd 3593/udp BP Model Debugger
# Keith Fligg <keith@projtech.com> September 2002
mediaspace 3594/tcp MediaSpace
mediaspace 3594/udp MediaSpace
shareapp 3595/tcp ShareApp
shareapp 3595/udp ShareApp
# Jeff King <jking@wave3software.com> September 2002
iw-mmogame 3596/tcp Illusion Wireless MMOG
iw-mmogame 3596/udp Illusion Wireless MMOG
# Jan Vrsinsky <jan.vrsinsky@illusionsoftworks.com>
September 2002
a14 3597/tcp A14 (AN-to-SC/MM)
a14 3597/udp A14 (AN-to-SC/MM)
a15 3598/tcp A15 (AN-to-AN)
a15 3598/udp A15 (AN-to-AN)
# David Ott <dott@qualcomm.com> September 2002
quasar-server 3599/tcp Quasar Accounting Server
quasar-server 3599/udp Quasar Accounting Server
# Brad Pepers <brad@linuxcanada.com> September 2002
trap-daemon 3600/tcp text relay-answer
trap-daemon 3600/udp text relay-answer
# John Willis <jwillis@arielusa.com> September 2002
visinet-gui 3601/tcp Visinet Gui
visinet-gui 3601/udp Visinet Gui
# Jeff Douglass <ist@att.net> September 2002
infiniswitchcl 3602/tcp InfiniSwitch Mgr Client
infiniswitchcl 3602/udp InfiniSwitch Mgr Client
# Lee VanTine <lvantine@infiniswitc.com> September
2002
int-rcv-cntrl 3603/tcp Integrated Rcvr Control
int-rcv-cntrl 3603/udp Integrated Rcvr Control
# Dave Stone <dstone01@harris.com> September 2002
bmc-jmx-port 3604/tcp BMC JMX Port
bmc-jmx-port 3604/udp BMC JMX Port
# Portnoy Boxman <portnoy_boxman@bmc.com> September
2002
comcam-io 3605/tcp ComCam IO Port
comcam-io 3605/udp ComCam IO Port
# Don Gilbreath <don@comcam.net> September 2002
splitlock 3606/tcp Splitlock Server
splitlock 3606/udp Splitlock Server

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#		Andrew Tune <Andrew.Tune@splitlock.com> September
2002		
precise-i3	3607/tcp	Precise I3
precise-i3	3607/udp	Precise I3
#		Tomer Shain <tshain@precise.com> September 2002
trendchip-dcp	3608/tcp	Trendchip control protocol
trendchip-dcp	3608/udp	Trendchip control protocol
#		Ming-Jen Chen <mjchen@trendchip.com.tw> September
2002		
cpdi-pidas-cm	3609/tcp	CPDI PIDAS Connection Mon
cpdi-pidas-cm	3609/udp	CPDI PIDAS Connection Mon
#		Tony Splaver <tony@cpdi.com> September 2002
echonet	3610/tcp	ECHONET
echonet	3610/udp	ECHONET
#		Takeshi Saito <takeshi.saito@toshiba.co.jp>
September 2002		
six-degrees	3611/tcp	Six Degrees Port
six-degrees	3611/udp	Six Degrees Port
#		Zach Nies <znies@creo.com> September 2002
hp-dataprotect	3612/tcp	HP Data Protector
hp-dataprotect	3612/udp	HP Data Protector
#		Stephen Gold <stephen_gold@hp.com> September 2002
alaris-disc	3613/tcp	Alaris Device Discovery
alaris-disc	3613/udp	Alaris Device Discovery
#		Chris Dern <cdern@nospam.alarismed.com> October
2002, June 2004		
sigma-port	3614/tcp	Invensys Sigma Port
sigma-port	3614/udp	Invensys Sigma Port
#		Dr. Sajed Husein <sajed.husein@invensys.com> October
2002		
start-network	3615/tcp	Start Messaging Network
start-network	3615/udp	Start Messaging Network
#		Peter Rocca <rocca@multiboard.com> October 2002
cd3o-protocol	3616/tcp	cd3o Control Protocol
cd3o-protocol	3616/udp	cd3o Control Protocol
#		Chris Wilcox <cwilcox@cd3o.com> October 2002
sharp-server	3617/tcp	ATI SHARP Logic Engine
sharp-server	3617/udp	ATI SHARP Logic Engine
#		Bill Reveile <breveile@allentek.com>
aaairnet-1	3618/tcp	AAIR-Network 1
aaairnet-1	3618/udp	AAIR-Network 1
aaairnet-2	3619/tcp	AAIR-Network 2
aaairnet-2	3619/udp	AAIR-Network 2
#		James Mealey <jymealey@yahoo.com> October 2002
ep-pcp	3620/tcp	EPSON Projector Control Port
ep-pcp	3620/udp	EPSON Projector Control Port
ep-nsp	3621/tcp	EPSON Network Screen Port
ep-nsp	3621/udp	EPSON Network Screen Port
#		SEIKO EPSON <Sato.Minoru3@exc.epson.co.jp> October
2002		
ff-lr-port	3622/tcp	FF LAN Redundancy Port
ff-lr-port	3622/udp	FF LAN Redundancy Port
#		Fieldbus Foundation <dave.glanzer@fieldbus.org>
October 2002		
haipe-discover	3623/tcp	HAIPIS Dynamic Discovery
haipe-discover	3623/udp	HAIPIS Dynamic Discovery
#		Mike Irani <irani_mike@bah.com> October 2002

dist-upgrade	3624/tcp	Distributed Upgrade Port
dist-upgrade	3624/udp	Distributed Upgrade Port
#		Jason Schoon <jason.schoon@intermec.com> October 2002
volley	3625/tcp	Volley
volley	3625/udp	Volley
#		David Catmull <uncommon@uncommonplace.com> October 2002
bvcd daemon-port	3626/tcp	bvControl Daemon
bvcd daemon-port	3626/udp	bvControl Daemon
#		Ravi Gokhale <rgokhale@bindview.com> October 2002
jams serverport	3627/tcp	Jam Server Port
jams serverport	3627/udp	Jam Server Port
#		Art Pope <apope@sarnoff.com> October 2002
ept-machine	3628/tcp	EPT Machine Interface
ept-machine	3628/udp	EPT Machine Interface
#		Victor H. Farrace <vfarrace@eaglept.com> October 2002
escvpnet	3629/tcp	ESC/VP.net
escvpnet	3629/udp	ESC/VP.net
#		Hiroyuki Hashimoto <easymp@exc.epson.co.jp> October 2002
cs-remote-db	3630/tcp	C&S Remote Database Port
cs-remote-db	3630/udp	C&S Remote Database Port
cs-services	3631/tcp	C&S Web Services Port
cs-services	3631/udp	C&S Web Services Port
#		Computer Software GmbH <BrunoRistok@cs-ag.de> October 2002
distcc	3632/tcp	distributed compiler
distcc	3632/udp	distributed compiler
#		Martin Pool <mbp@samba.org> November 2002
wacp	3633/tcp	Wyrnix AIS port
wacp	3633/udp	Wyrnix AIS port
#		Harry T. Vennik <htvennik@zonnet.nl> November 2002
hlibmgr	3634/tcp	hNTSP Library Manager
hlibmgr	3634/udp	hNTSP Library Manager
#		Kenji Tetsuyama <kenji@onkyo.co.jp> November 2002
sdo	3635/tcp	Simple Distributed Objects
sdo	3635/udp	Simple Distributed Objects
#		Alexander Philippou <alex@noemax.com> November 2002
servistaitsm	3636/tcp	SerVistaITSM
servistaitsm	3636/udp	SerVistaITSM
#		Ralph Campbell <ralph.campbell@xasystems.com> November 2002
scservp	3637/tcp	Customer Service Port
scservp	3637/udp	Customer Service Port
#		Jonathan A. Zdziarski <johathan@networkdweebs.com> November 2002
ehp-backup	3638/tcp	EHP Backup Protocol
ehp-backup	3638/udp	EHP Backup Protocol
#		Ed Fair <ed_fair@yahoo.com> November 2002
xap-ha	3639/tcp	Extensible Automation
xap-ha	3639/udp	Extensible Automation
#		Mark Harrison <Mark@xapautomation.org> November 2002
netplay-port1	3640/tcp	Netplay Port 1
netplay-port1	3640/udp	Netplay Port 1
netplay-port2	3641/tcp	Netplay Port 2

netplay-port2	3641/udp	Netplay Port 2
#		Predrag Filipovic <pfilipovic@digital5.com> November
2002		
juxml-port	3642/tcp	Juxml Replication port
juxml-port	3642/udp	Juxml Replication port
#		Colin Reid <creid@projux.com> November 2002
audiojuggler	3643/tcp	AudioJuggler
audiojuggler	3643/udp	AudioJuggler
#		Morten Mertner <mm@audiojuggler.com> November 2002
ssowatch	3644/tcp	ssowatch
ssowatch	3644/udp	ssowatch
#		Marie-France Dubreuil <Marie-France.Dubreuil@evidian.com> November 2002
cyc	3645/tcp	Cyc
cyc	3645/udp	Cyc
#		Stephen Reed <reed@cyc.com> January 2003
xss-srv-port	3646/tcp	XSS Server Port
xss-srv-port	3646/udp	XSS Server Port
#		Joe Purcell <jpurcell@ensuretech.com> January 2003
splitlock-gw	3647/tcp	Splitlock Gateway
splitlock-gw	3647/udp	Splitlock Gateway
#		Andrew Tune <Andrew.Tune@splitlock.com> January 2003
fjcp	3648/tcp	Fujitsu Cooperation Port
fjcp	3648/udp	Fujitsu Cooperation Port
#		Kouji Sugisawa <sugisawa.kouji@soft.fujitsu.com>
January 2003		
nmmp	3649/tcp	Nishioka Miyuki Msg Protocol
nmmp	3649/udp	Nishioka Miyuki Msg Protocol
#		TAKEDA Hiroyuki <takeda@atashi.net> January 2003
prismiq-plugin	3650/tcp	PRISMIQ VOD plug-in
prismiq-plugin	3650/udp	PRISMIQ VOD plug-in
#		Richard Hodges <rhodges@prismiq.com> January 2003
xrpc-registry	3651/tcp	XRPC Registry
xrpc-registry	3651/udp	XRPC Registry
#		Slava Monich <Slava.Monich@nokia.com> January 2003
vxcrnbuport	3652/tcp	VxCR NBU Default Port
vxcrnbuport	3652/udp	VxCR NBU Default Port
#		Boris Star <boris.star@veritas.com> January 2003
tsp	3653/tcp	Tunnel Setup Protocol
tsp	3653/udp	Tunnel Setup Protocol
#		Marc Blanchet <Marc.Blanchet@viagenie.qc.ca> January
2003		
vaprtm	3654/tcp	VAP RealTime Messenger
vaprtm	3654/udp	VAP RealTime Messenger
#		Boris Polevoy <vapcom@mail.ru> January 2003
abatemgr	3655/tcp	ActiveBatch Exec Agent
abatemgr	3655/udp	ActiveBatch Exec Agent
abatjss	3656/tcp	ActiveBatch Job Scheduler
abatjss	3656/udp	ActiveBatch Job Scheduler
#		Ben Rosenberg <brosenberg@advsyscon.com> January
2003		
immedianet-bcn	3657/tcp	ImmediaNet Beacon
immedianet-bcn	3657/udp	ImmediaNet Beacon
#		Bill Homan <bhoman@spanworks.com> January 2003
ps-ams	3658/tcp	PlayStation AMS (Secure)
ps-ams	3658/udp	PlayStation AMS (Secure)

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# Edgar Alan Tu <Edgar_Tu@playstation.sony.com>
January 2003
apple-sasl 3659/tcp Apple SASL
apple-sasl 3659/udp Apple SASL
# David M. O'Rourke <daveo@apple.com> January 2003
can-nds-ssl 3660/tcp IBM Tivoli Directory Service using SSL
can-nds-ssl 3660/udp IBM Tivoli Directory Service using SSL
can-ferret-ssl 3661/tcp IBM Tivoli Directory Service using SSL
can-ferret-ssl 3661/udp IBM Tivoli Directory Service using SSL
# Nic Catrambone <ncatramb@us.ibm.com> January 2003
pserver 3662/tcp pserver
pserver 3662/udp pserver
# Patrick Furlong <pfurlong@darkknight.ca> January
2003
dtp 3663/tcp DIRECWAY Tunnel Protocol
dtp 3663/udp DIRECWAY Tunnel Protocol
# John Border <border@hns.com> January 2003
ups-engine 3664/tcp UPS Engine Port
ups-engine 3664/udp UPS Engine Port
ent-engine 3665/tcp Enterprise Engine Port
ent-engine 3665/udp Enterprise Engine Port
# Mike Delgrosso <mdelgros@tripplite.com> January 2003
eserver-pap 3666/tcp IBM eServer PAP
eserver-pap 3666/udp IBM EServer PAP
# Dave Gimpl <gimpl@us.ibm.com> January 2003
infoexch 3667/tcp IBM Information Exchange
infoexch 3667/udp IBM Information Exchange
# Paul Ford-Hutchinson <paulfordh@uk.ibm.com> January
2003
dell-rm-port 3668/tcp Dell Remote Management
dell-rm-port 3668/udp Dell Remote Management
# Bradley Bransom <bradley_bransom@dell.com> January
2003
casanswmgmt 3669/tcp CA SAN Switch Management
casanswmgmt 3669/udp CA SAN Switch Management
# Emre Tunar <emre.tunar@ca.com> January 2003
smile 3670/tcp SMILE TCP/UDP Interface
smile 3670/udp SMILE TCP/UDP Interface
# Andre Petras <#remove#a.petras@arcor.de#remove_too#>
January 2003
efcp 3671/tcp e Field Control (EIBnet)
efcp 3671/udp e Field Control (EIBnet)
# Marc Goossens <mgoossens@eiba.com> January 2003
lispworks-orb 3672/tcp LispWorks ORB
lispworks-orb 3672/udp LispWorks ORB
# Lisp Support <lisp-support@xanalys.com>
mediavault-gui 3673/tcp Openview Media Vault GUI
mediavault-gui 3673/udp Openview Media Vault GUI
# Stephen Gold <stephen_gold@hp.com> January 2003
wininstall-ipc 3674/tcp WinINSTALL IPC Port
wininstall-ipc 3674/udp WinINSTALL IPC Port
# Bill Somerville
<Bill.Somerville@OnDemandSoftware.com> January 2003
calltrax 3675/tcp CallTrax Data Port
calltrax 3675/udp CallTrax Data Port
# Oliver Bailey <zzf66jjlm@time-lines.com> January
2003

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va-pacbase	3676/tcp	VisualAge Pacbase server
va-pacbase	3676/udp	VisualAge Pacbase server
#		Dominique Lelievre <dominique.lelievre@fr.ibm.com>
January 2003		
roverlog	3677/tcp	RoverLog IPC
roverlog	3677/udp	RoverLog IPC
#		Tom Mayo <tmayo1@rochester.rr.com> January 2003
ipr-dglt	3678/tcp	DataGuardianLT
ipr-dglt	3678/udp	DataGuardianLT
#		Bruce Carlson <bruce.carlson@iprintl.com> January
2003		
newton-dock	3679/tcp	Newton Dock
newton-dock	3679/udp	Newton Dock
npds-tracker	3680/tcp	NPDS Tracker
npds-tracker	3680/udp	NPDS Tracker
#		Paul Guyot <pguyot@kallisys.net> January 2003
bts-x73	3681/tcp	BTS X73 Port
bts-x73	3681/udp	BTS X73 Port
#		Todd Cooper <todd@DO11073.com> January 2003
cas-mapi	3682/tcp	EMC SmartPackets-MAPI
cas-mapi	3682/udp	EMC SmartPackets-MAPI
#		Koen Schoofs <schoofs_koen@emc.com> January 2003
bmc-ea	3683/tcp	BMC EDV/EA
bmc-ea	3683/udp	BMC EDV/EA
#		Portnoy Boxman <portnoy_boxman@bmc.com> January 2003
faxstfx-port	3684/tcp	FAXstfX
faxstfx-port	3684/udp	FAXstfX
#		Alec Carlson <acarlson@smithmicro.com> January 2003
dsx-agent	3685/tcp	DS Expert Agent
dsx-agent	3685/udp	DS Expert Agent
#		NetPro Computing <ports@netpro.com> January 2003
tnmpv2	3686/tcp	Trivial Network Management
tnmpv2	3686/udp	Trivial Network Management
#		Andrea Premoli <Andrea_maria.Premoli@icn.siemens.it>
January 2003		
simple-push	3687/tcp	simple-push
simple-push	3687/udp	simple-push
simple-push-s	3688/tcp	simple-push Secure
simple-push-s	3688/udp	simple-push Secure
#		C. Enrique Ortiz <eortiz@j2medeveloper.com> January
2003		
daap	3689/tcp	Digital Audio Access Protocol
daap	3689/udp	Digital Audio Access Protocol
#		Amandeep Jawa <daap@apple.com> January 2003
svn	3690/tcp	Subversion
svn	3690/udp	Subversion
#		Greg Hudson <ghudson@mit.edu> January 2003
magaya-network	3691/tcp	Magaya Network Port
magaya-network	3691/udp	Magaya Network Port
#		Jesus David Rodriguez <jesusdavid@magaya.com>
February 2003		
intelsync	3692/tcp	Brimstone IntelSync
intelsync	3692/udp	Brimstone IntelSync
#		Davey Taylor <davey.taylor@brimstone.net> February
2003		
gttp	3693/tcp	GTTTP
gttp	3693/udp	GTTTP

vpntpp	3694/tcp	VPN Token Propagation Protocol
vpntpp	3694/udp	VPN Token Propagation Protocol
#		Ronald P. Bonica <Ronald.P.Bonica@mci.com> February
2003		
bmc-data-coll	3695/tcp	BMC Data Collection
bmc-data-coll	3695/udp	BMC Data Collection
#		Portnoy Boxman <portnoy_boxman@bmc.com> February
2003		
telnetcpd	3696/tcp	Telnet Com Port Control
telnetcpd	3696/udp	Telnet Com Port Control
#		Thomas J. Pinkl <tom@pinkl.com> February 2003
nw-license	3697/tcp	NavisWorks License System
nw-license	3697/udp	NavisWorks License System
#		Tim Wiegand <tim.wiegand@navisworks.com> February
2003		
sagectlpanel	3698/tcp	SAGECTLPANEL
sagectlpanel	3698/udp	SAGECTLPANEL
#		Mark Gamble <mark.gamble@sage.com> February 2003
kpn-icw	3699/tcp	Internet Call Waiting
kpn-icw	3699/udp	Internet Call Waiting
#		B.J. Kortekaas <b.j.kortekaas@kpn.com> February 2003
lrs-paging	3700/tcp	LRS NetPage
lrs-paging	3700/udp	LRS NetPage
#		Geoffrey Wossum <geoffrey@pager.net> February 2003
netcelera	3701/tcp	NetCelera
netcelera	3701/udp	NetCelera
#		Tarek Nabhan <standards@itworx.com> February 2003
ws-discovery	3702/tcp	Web Service Discovery
ws-discovery	3702/udp	Web Service Discovery
#		Christian Huitema <huitema@microsoft.com> February
2003		
adobeserver-3	3703/tcp	Adobe Server 3
adobeserver-3	3703/udp	Adobe Server 3
adobeserver-4	3704/tcp	Adobe Server 4
adobeserver-4	3704/udp	Adobe Server 4
adobeserver-5	3705/tcp	Adobe Server 5
adobeserver-5	3705/udp	Adobe Server 5
#		Frank Soetebeer <frsoeteb@adobe.com> January 2003
rt-event	3706/tcp	Real-Time Event Port
rt-event	3706/udp	Real-Time Event Port
rt-event-s	3707/tcp	Real-Time Event Secure Port
rt-event-s	3707/udp	Real-Time Event Secure Port
#		Terry Gin <terry_gin@inter-tel.com> February 2003
sun-as-iiops	3708/tcp	Sun App Svr - Naming
sun-as-iiops	3708/udp	Sun App Svr - Naming
#		Abhijit Kumar <as-iana-ports@sun.com> November 2005
ca-idms	3709/tcp	CA-IDMS Server
ca-idms	3709/udp	CA-IDMS Server
#		Dave Ross <david.ross@ca.com>
portgate-auth	3710/tcp	PortGate Authentication
portgate-auth	3710/udp	PortGate Authentication
#		Scott Harris <Scott@XRamp.com> February 2003
edb-server2	3711/tcp	EBD Server 2
edb-server2	3711/udp	EBD Server 2
#		Carlos Portela <cportela@simple-sw.com> February
2003		
sentinel-ent	3712/tcp	Sentinel Enterprise

sentinel-ent	3712/udp	Sentinel Enterprise
#		Ian Gordon <ian@n-genltd.co.uk> March 2003
tftps	3713/tcp	TFTP over TLS
tftps	3713/udp	TFTP over TLS
#		Mark mayernick <Mark.Mayernick@thomson.net> March
2003		
delos-dms	3714/tcp	DELOS Direct Messaging
delos-dms	3714/udp	DELOS Direct Messaging
#		Ekkehard Morgenstern <flnca@gmx.de> March 2003
anoto-rendezv	3715/tcp	Anoto Rendezvous Port
anoto-rendezv	3715/udp	Anoto Rendezvous Port
#		Ola Sandstrom <ola.sandstrom@anoto.com> March 2003
wv-csp-sms-cir	3716/tcp	WV CSP SMS CIR Channel
wv-csp-sms-cir	3716/udp	WV CSP SMS CIR Channel
wv-csp-udp-cir	3717/tcp	WV CSP UDP/IP CIR Channel
wv-csp-udp-cir	3717/udp	WV CSP UDP/IP CIR Channel
#		Jon Ingi Ingimundarson <jii@oz.com> March 2003
opus-services	3718/tcp	OPUS Server Port
opus-services	3718/udp	OPUS Server Port
#		Detlef Stoeber <mail@ivotec.com> March 2003
itelserversport	3719/tcp	iTel Server Port
itelserversport	3719/udp	iTel Server Port
#		Mark Hendricks <markah@copper.net> March 2003
ufastro-instr	3720/tcp	UF Astro. Instr. Services
ufastro-instr	3720/udp	UF Astro. Instr. Services
#		David B. Hon <hon@astro.ufl.edu> March 2003
xsync	3721/tcp	Xsync
xsync	3721/udp	Xsync
xserveraid	3722/tcp	Xserve RAID
xserveraid	3722/udp	Xserve RAID
#		Bob Bradley <bradley@apple.com> March 2003
sychron	3723/tcp	Sychron Service Daemon
sychron	3723/udp	Sychron Service Daemon
#		Robert Marinelli <bob@sychron.com> March 2003
blizwow	3724/tcp	World of Warcraft
blizwow	3724/udp	World of Warcraft
#		Domain Tech <Domainnametech@blizzard.com> April 2005
na-er-tip	3725/tcp	Netia NA-ER Port
na-er-tip	3725/udp	Netia NA-ER Port
#		Jean-Pierre Garcia <jp.garcia@netia.net> April 2003
array-manager	3726/tcp	Xyratex Array Manager
array-manager	3726/udp	Xyartex Array Manager
#		David A. Lethe <david_lethe@us.xyrate.com> April
2003		
e-mdu	3727/tcp	Ericsson Mobile Data Unit
e-mdu	3727/udp	Ericsson Mobile Data Unit
e-woa	3728/tcp	Ericsson Web on Air
e-woa	3728/udp	Ericsson Web on Air
#		Marco Casole <marco.casole@ericsson.com> April 2003
fksp-audit	3729/tcp	Fireking Audit Port
fksp-audit	3729/udp	Fireking Audit Port
#		Richard Thurman <richt@fireking.com> April 2003
client-ctrl	3730/tcp	Client Control
client-ctrl	3730/udp	Client Control
#		Lawrence W. Dunn <larrydunn@aptcomp.com> April 2003
smap	3731/tcp	Service Manager
smap	3731/udp	Service Manager

m-wnn	3732/tcp	Mobile Wnn
m-wnn	3732/udp	Mobile Wnn
#		Yasunari Yamashita <yamasita@omronsoft.co.jp> April 2003
2003		
multip-msg	3733/tcp	Multipuesto Msg Port
multip-msg	3733/udp	Multipuesto Msg Port
#		Felisa Ares <faa06@tid.es> April 2003
synel-data	3734/tcp	Synel Data Collection Port
synel-data	3734/udp	Synel Data Collection Port
#		David Ashkenazi <david@synel.co.il> April 2003
pwdis	3735/tcp	Password Distribution
pwdis	3735/udp	Password Distribution
#		Robert Erl <roerl@web.de> April 2003
rs-rmi	3736/tcp	RealSpace RMI
rs-rmi	3736/udp	RealSpace RMI
#		Barry McDarby <realspace@starwolf.biz> April 2003
#	3737	Unassigned (Removed 2003-02-26)
versatalk	3738/tcp	versaTalk Server Port
versatalk	3738/udp	versaTalk Server Port
#		Dr. Kingsley C. Nwosu <knwosu@aglowmail.com> April 2003
2003		
launchbird-lm	3739/tcp	Launchbird LicenseManager
launchbird-lm	3739/udp	Launchbird LicenseManager
#		Tom Hawkins <tom1@launchbird.com> April 2003
heartbeat	3740/tcp	Heartbeat Protocol
heartbeat	3740/udp	Heartbeat Protocol
#		Jeroen Massar <jeroen@unfix.org> April 2003
wysdma	3741/tcp	WysDM Agent
wysdma	3741/udp	WysDM Agent
#		Jim McDonald <Jim.McDonald@sysdm.com> April 2003
cst-port	3742/tcp	CST - Configuration & Service Tracker
cst-port	3742/udp	CST - Configuration & Service Tracker
#		Hai Ou-Yang <hai.ou-yang@sun.com> April 2003
ipcs-command	3743/tcp	IP Control Systems Ltd.
ipcs-command	3743/udp	IP Control Systems Ltd.
#		Paul Anderson <paul.anderson@ip-cs.com> April 2003
sasg	3744/tcp	SASG
sasg	3744/udp	SASG
#		Cristian Petculescu <crisp@hotmail.com> April 2003
gw-call-port	3745/tcp	GWRTC Call Port
gw-call-port	3745/udp	GWRTC Call Port
#		Felisa Ares <faa06@tid.es> April 2003
linktest	3746/tcp	LXPRO.COM LinkTest
linktest	3746/udp	LXPRO.COM LinkTest
linktest-s	3747/tcp	LXPRO.COM LinkTest SSL
linktest-s	3747/udp	LXPRO.COM LinkTest SSL
#		Greg Bailey <gbailey@lxpro.com> April 2003
webdata	3748/tcp	webData
webdata	3748/udp	webData
#		Michael Whiteley <michael@whiteley.com> April 2003
cimtrak	3749/tcp	CimTrak
cimtrak	3749/udp	CimTrak
		Robert E. Johnson, III <johnson.robert@cimcor.com>
April 2003		
cbos-ip-port	3750/tcp	CBOS/IP ncapsalation port
cbos-ip-port	3750/udp	CBOS/IP ncapsalatoin port

#		Thomas Dannemiller <tom.dannemiller@rolls-royce.com>
April 2003		
gprs-cube	3751/tcp	CommLinx GPRS Cube
gprs-cube	3751/udp	CommLinx GPRS Cube
#		Peter Johnson <peter@commlinx.com.au> April 2003
vipremoteagent	3752/tcp	Vigil-IP RemoteAgent
vipremoteagent	3752/udp	Vigil-IP RemoteAgent
#		Bryan Alvord <bryan@vaticor.com> April 2003
nattyserver	3753/tcp	NattyServer Port
nattyserver	3753/udp	NattyServer Port
#		Akira Saito <admin@kobu.com> April 2003
timestenbroker	3754/tcp	TimesTen Broker Port
timestenbroker	3754/udp	TimesTen Broker Port
#		David Aspinwall <aspinwall@TimesTen.com> April 2003
sas-remote-hlp	3755/tcp	SAS Remote Help Server
sas-remote-hlp	3755/udp	SAS Remote Help Server
#		Gary T. Ciampa <Gary.Ciampa@sas.com> April 2003
canon-capt	3756/tcp	Canon CAPT Port
canon-capt	3756/udp	Canon CAPT Port
#		Takashi Okazawa <okazawa.takashi@canon.co.jp> April
2003		
grf-port	3757/tcp	GRF Server Port
grf-port	3757/udp	GRF Server Port
#		Robert Banfill <robert@banfill.net> April 2003
apw-registry	3758/tcp	apw RMI registry
apw-registry	3758/udp	apw RMI registry
#		Dan Davis <Dan.A.Davis@hp.com> April 2003
exapt-lmgr	3759/tcp	Exapt License Manager
exapt-lmgr	3759/udp	Exapt License Manager
#		Christoph Kukulies <info@exapt.de> April 2003
adtempusclient	3760/tcp	adTempus Client
adtempusclient	3760/udp	adTempus Client
#		Bill Wingate <bill.wingate@arcanadev.com> May 2003
gsakmp	3761/tcp	gsakmp port
gsakmp	3761/udp	gsakmp port
#		[RFC4535]
gbs-smp	3762/tcp	GBS SnapMail Protocol
gbs-smp	3762/udp	GBS SnapMail Protocol
#		Eric Harris-Braun <eric@glassbead.com> June 2003
xo-wave	3763/tcp	XO Wave Control Port
xo-wave	3763/udp	XO Wave Control Port
#		Bjorn Dittmer-Roche <bjorn@xowave.com> June 2003
mni-prot-rout	3764/tcp	MNI Protected Routing
mni-prot-rout	3764/udp	MNI Protected Routing
#		Tim Behne <timothyb@microwavenetworks.com> June 2003
rtracerroute	3765/tcp	Remote Traceroute
rtracerroute	3765/udp	Remote Traceroute
#		A. Blake Cooper <blake@cluebie.net> June 2003
listmgr-port	3767/tcp	ListMGR Port
listmgr-port	3767/udp	ListMGR Port
#		Takashi Kubota <kubota.takashi@pfu.fugitsu.com> June
2003		
rblcheckd	3768/tcp	rblcheckd server daemon
rblcheckd	3768/udp	rblcheckd server daemon
#		Sabri Berisha <sabri@cluecentral.net> June 2003
haipe-otnk	3769/tcp	HAIPE Network Keying
haipe-otnk	3769/udp	HAIPE Network Keying

#		Mike Irani <irani@spawar.navy.mil> June 2003
cindycollab	3770/tcp	Cinderella Collaboration
cindycollab	3770/udp	Cinderella Collaboration
#		Ulrich Kortenkamp <kortenkamp@cinderella.de> June
2003		
paging-port	3771/tcp	RTP Paging Port
paging-port	3771/udp	RTP Paging Port
#		Patrick Ferriter <Patrick.Ferriter@zultys.com> June
2003		
ctp	3772/tcp	Chantry Tunnel Protocol
ctp	3772/udp	Chantry Tunnel Protocol
#		Inderpreet Singh <isingh@chantrynetworks.com> June
2003		
ctdhercules	3773/tcp	ctdhercules
ctdhercules	3773/udp	ctdhercules
#		Carl Banzhof <cbanzhof@citadel.com> June 2003
zicom	3774/tcp	ZICOM
zicom	3774/udp	ZICOM
#		Sabu Das <sabud@zicomsecure.com> June 2003
ispmmgr	3775/tcp	ISPM Manager Port
ispmmgr	3775/udp	ISPM Manager Port
#		Eric Anderson <eanderson@netvision.com> June 2003
dvcprov-port	3776/tcp	Device Provisioning Port
dvcprov-port	3776/udp	Device Provisioning Port
#		Rob Lehew <rlehew@microsoft.com> June 2003
jibe-eb	3777/tcp	Jibe EdgeBurst
jibe-eb	3777/udp	Jibe EdgeBurst
#		Chap Tippin <chad.tippin@jibeinc.com> June 2003
c-h-it-port	3778/tcp	Cutler-Hammer IT Port
c-h-it-port	3778/udp	Cutler-Hammer IT Port
#		Thomas Ruchti <thomasmruchti@eaton.com> June 2003
cognima	3779/tcp	Cognima Replication
cognima	3779/udp	Cognima Replication
#		Raplh Greenwell <iana@cognima.com> June 2003
nnp	3780/tcp	Nuzzler Network Protocol
nnp	3780/udp	Nuzzler Network Protocol
#		Andreas Schwarz <andreas.schwarz@securepoint.de>
June 2003		
abcvoice-port	3781/tcp	ABCvoice server port
abcvoice-port	3781/udp	ABCvoice server port
#		Carlos Gonzalez-Roman Ferrer <iana@abcdatos.com>
June 2003		
iso-tp0s	3782/tcp	Secure ISO TP0 port
iso-tp0s	3782/udp	Secure ISO TP0 port
#		Herbert Falk <herb@sisconet.com> June 2003
bim-pem	3783/tcp	Impact Mgr./PEM Gateway
bim-pem	3783/udp	Impact Mgr./PEM Gateway
#		Walter G. Giroir <walt_giroir@bmc.com> July 2003
bfd-control	3784/tcp	BFD Control Protocol
bfd-control	3784/udp	BFD Control Protocol
bfd-echo	3785/tcp	BFD Echo Protocol
bfd-echo	3785/udp	BFD Echo Protocol
#		Dave Katz <dkatz@juniper.net> Dave Ward
<dward@cisco.com>	July 2003	
upstriggervsw	3786/tcp	VSW Upstrigger port
upstriggervsw	3786/udp	VSW Upstrigger port

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# Mark-Tim Junghanns <mjunghanns@vangerow.de> July
2003
fintrx 3787/tcp Fintrx
fintrx 3787/udp Fintrx
# Peter G.L. Potgieser <p.g.l.potgieser@interpay.nl>
July 2003
isrp-port 3788/tcp SPACEWAY Routing port
isrp-port 3788/udp SPACEWAY Routing port
# Vaibhav Kumar <vakumar@hns.com> July 2003
remotedeploy 3789/tcp RemoteDeploy Administration Port
remotedeploy 3789/udp RemoteDeploy Administration Port
# Guenther Kroenert <guenther.kroenert@fujitsu-
siemens.com> July 2003
quickbooksrds 3790/tcp QuickBooks RDS
quickbooksrds 3790/udp QuickBooks RDS
# Almira <almira_niciu@intuit.com> July 2003
tvnetworkvideo 3791/tcp TV NetworkVideo Data port
tvnetworkvideo 3791/udp TV NetworkVideo Data port
# Kevin Brunner <brunner@tivo.com> July 2003
sitewatch 3792/tcp e-Watch Corporation SiteWatch
sitewatch 3792/udp e-Watch Corporation SiteWatch
# John M. Baird <jbaird@e-watch.com> July 2003
dcsoftware 3793/tcp DataCore Software
dcsoftware 3793/udp DataCore Software
# Andre Cato <andre.cato@datacore.com> July 2003
jaus 3794/tcp JAUS Robots
jaus 3794/udp JAUS Robots
# Steven B. Cliff <scliff@remotec-andros.com> July
2003
myblast 3795/tcp myBLAST Mekentosj port
myblast 3795/udp myBLAST Mekentosj port
# Alexander Griekspoor <a.griekspoor@nki.nl> July 2003
spw-dialer 3796/tcp Spaceway Dialer
spw-dialer 3796/udp Spaceway Dialer
# Patrick Fisher <pfisher@hns.com> July 2003
idps 3797/tcp idps
idps 3797/udp idps
# Jean-Francois Rabasse <jfr@idps.org> July 2003
minilock 3798/tcp Minilock
minilock 3798/udp Minilock
# Daniel Julio Reyes <danieljreyes@yahoo.com> August
2003
radius-dynauth 3799/tcp RADIUS Dynamic Authorization
radius-dynauth 3799/udp RADIUS Dynamic Authorization
# RFC 3576 - July 2003
pwgpsi 3800/tcp Print Services Interface
pwgpsi 3800/udp Print Services Interface
# Harry Lewis <harryl@us.ibm.com> May 2003
ibm-mgr 3801/tcp ibm manager service
ibm-mgr 3801/udp ibm manager service
# Tim Hahn <hahnt@us.ibm.com> March 2006
vhd 3802/tcp VHD
vhd 3802/udp VHD
# Chris Duncombe <cdunc@atpeng.com>
soniqsync 3803/tcp SoniqSync
soniqsync 3803/udp SoniqSync

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# Ryan Melville <ryan_melville@soniqcast.com> January
2004
iqnet-port 3804/tcp Harman IQNet Port
iqnet-port 3804/udp Harman IQNet Port
# Bruce Vander Werf <bvanderwerf@crowntl.com>
February 2004
tcpdataserver 3805/tcp ThorGuard Server Port
tcpdataserver 3805/udp ThorGuard Server Port
# Joel E. Steiger <jsteiger@eic-us.com> February 2004
wsmlb 3806/tcp Remote System Manager
wsmlb 3806/udp Remote System Manager
# Thomas Fiege <tfiege@us.ibm.com> February 2004
spugna 3807/tcp SpuGNA Communication Port
spugna 3807/udp SpuGNA Communication Port
# Samuele Sequi <samuelesequi@defcom.it> February 2004
sun-as-iiops-ca 3808/tcp Sun App Svr-IIOPClntAuth
sun-as-iiops-ca 3808/udp Sun App Svr-IIOPClntAuth
# Abhijit Kumar <as-iana-ports@sun.com> November 2005
apocd 3809/tcp Java Desktop System Configuration Agent
apocd 3809/udp Java Desktop System Configuration Agent
# Geoff Higgins <geoff.higgins@sun.com> March 2006
wlanauth 3810/tcp WLAN AS server
wlanauth 3810/udp WLAN AS server
# Bianling Zhang <blzhang@iwncomm.com> February 2004
amp 3811/tcp AMP
amp 3811/udp AMP
# Northon Rodrigues <northon.rodrigues@thomson.net>
February 2004
neto-wol-server 3812/tcp netO WOL Server
neto-wol-server 3812/udp netO WOL Server
# Martin Bestmann <martin@no.netopia.com> March 2004
rap-ip 3813/tcp Rhapsody Interface Protocol
rap-ip 3813/udp Rhapsody Interface Protocol
# Paul Zander (Philips CFT) <p.j.zander@philips.com>
March 2004
neto-dcs 3814/tcp netO DCS
neto-dcs 3814/udp netO DCS
# Martin Bestmann <martin@no.netopia.com> March 2004
lansurveyorxml 3815/tcp LANsurveyor XML
lansurveyorxml 3815/udp LANsurveyor XML
# Michael Swan <swan@neon.com> April 2004
sunlps-http 3816/tcp Sun Local Patch Server
sunlps-http 3816/udp Sun Local Patch Server
# Barry Greenberg <barry.greenberg@sun.com> April 2004
tapeware 3817/tcp Yosemite Tech Tapeware
tapeware 3817/udp Yosemite Tech Tapeware
# Luke Dion <ldion@tapeware.com> April 2004
crinis-hb 3818/tcp Crinis Heartbeat
crinis-hb 3818/udp Crinis Heartbeat
# Eric McMurry <emcmurry@crinisnetworks.com> April
2004
epl-slp 3819/tcp EPL Sequ Layer Protocol
epl-slp 3819/udp EPL Sequ Layer Protocol
# Hans Weibel <hans.weibel@zhwin.ch> October 2004
scp 3820/tcp Siemens AuD SCP
scp 3820/udp Siemens AuD SCP

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# Johann Arnold <johann.arnold@siemens.com> October
2004
pmcp 3821/tcp ATSC PMCP Standard
pmcp 3821/udp ATSC PMCP Standard
# Graham Jones <gjones@nab.org> November 2004
acp-discovery 3822/tcp Compute Pool Discovery
acp-discovery 3822/udp Compute Pool Discovery
acp-conduit 3823/tcp Compute Pool Conduit
acp-conduit 3823/udp Compute Pool Conduit
acp-policy 3824/tcp Compute Pool Policy
acp-policy 3824/udp Compute Pool Policy
# Andy Belk <register1@azulsystems.com> February 2005
# 3825-3830 Unassigned
dvapps 3831/tcp Docsvault Application Service
dvapps 3831/udp Docsvault Application Service
# Ketul Patel <ketulp76@yahoo.com> October 2006
xxnetserver 3832/tcp xxNETserver
xxnetserver 3832/udp xxNETserver
# Lawrence R. Bulduc <LBulduc@ATTGlobal.net> October 2006
aipn-auth 3833/tcp AIPN LS Authentication
aipn-auth 3833/udp AIPN LS Authentication
# Qiang Zhang <qzhang@iwncomm.com> October 2006
spectardata 3834/tcp Spectar Data Stream Service
spectardata 3834/udp Spectar Data Stream Service
spectardb 3835/tcp Spectar Database Rights Service
spectardb 3835/udp Spectar Database Rights Service
# Jan Rutger Voorhorst <janrutger@roadware.nl> October 2006
markem-dcp 3836/tcp MARKEM NEXTGEN DCP
markem-dcp 3836/udp MARKEM NEXTGEN DCP
mkm-discovery 3837/tcp MARKEM Auto-Discovery
mkm-discovery 3837/udp MARKEM Auto-Discovery
# Vadym Kargin <vkargin@markem.com> August 2005
sos 3838/tcp Scito Object Server
sos 3838/udp Scito Object Server
# Arno Klaassen <arno@ccr.jussieu.fr> November 2003
amx-rms 3839/tcp AMX Resource Management Suite
amx-rms 3839/udp AMX Resource Management Suite
# Ron Barber <ron.barber@amx.com> November 2003
flirtmitmir 3840/tcp www.FlirtMitMir.de
flirtmitmir 3840/udp www.FlirtMitMir.de
# Carsten Falticska <falticska@freenet.de> November
2003
zfirm-shiprush3 3841/tcp Z-Firm ShipRush v3
zfirm-shiprush3 3841/udp Z-Firm ShipRush v3
# Rafael Zimmeroff <rafael@zfirmllc.com> November 2003
nhci 3842/tcp NHCI status port
nhci 3842/udp NHCI status port
# Eric Welch <eric@innosys.com> November 2003
quest-agent 3843/tcp Quest Common Agent
quest-agent 3843/udp Quest Common Agent
# Peter Maher <quest_iana@oz.quest.com> November 2003
rnm 3844/tcp RNM
rnm 3844/udp RNM
# sn0w of renegade labs <sn0w@devious.tsongkie.com>
November 2003
v-one-spp 3845/tcp V-ONE Single Port Proxy
v-one-spp 3845/udp V-ONE Single Port Proxy

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#		Daniel Becker <dbecker@v-one.com>
an-pcp	3846/tcp	Astare Network PCP
an-pcp	3846/udp	Astare Network PCP
#		Tony Gulino <astaregod@hotmail.com> August 2003
msfw-control	3847/tcp	MS Firewall Control
msfw-control	3847/udp	MS Firewall Control
#		Oren Trutner <orentrut@microsoft.com> August 2003
item	3848/tcp	IT Environmental Monitor
item	3848/udp	IT Environmental Monitor
#		Keith Wright <kwright@sensatronics.com> August 2003
spw-dnspreload	3849/tcp	SPACEWAY DNS Preload
spw-dnspreload	3849/udp	SPACEWAY DNS Preload
#		Daniel Friedman <dfriedman@hns.com> August 2003
qtms-bootstrap	3850/tcp	QTMS Bootstrap Protocol
qtms-bootstrap	3850/udp	QTMS Bootstrap Protocol
#		Phil Willis <phil.willis@prism-uk.com> August 2003
spectraport	3851/tcp	SpectraTalk Port
spectraport	3851/udp	SpectraTalk Port
#		Madhav Karhade <madhav.karhade@wibhu.com> August 2003
sse-app-config	3852/tcp	SSE App Configuration
sse-app-config	3852/udp	SSE App Configuration
#		Tim Wilson <tim.wilson@motorola.com> August 2003
sscan	3853/tcp	SONY scanning protocol
sscan	3853/udp	SONY scanning protocol
#		Takashi Aihara <aiharat@sm.sony.co.jp> August 2003
stryker-com	3854/tcp	Stryker Comm Port
stryker-com	3854/udp	Stryker Comm Port
#		Andrew Schultz <aschultz@strykercom.com> August 2003
opentrac	3855/tcp	OpenTRAC
opentrac	3855/udp	OpenTRAC
#		Scott Miller <scott@opentrac.org> August 2003
informer	3856/tcp	INFORMER
informer	3856/udp	INFORMER
#		Filippo Fadda <fadda@osway.com> August 2003
trap-port	3857/tcp	Trap Port
trap-port	3857/udp	Trap Port
#		Norm Freedman <normfree@san.rr.com> August 2003
trap-port-mom	3858/tcp	Trap Port MOM
trap-port-mom	3858/udp	Trap Port MOM
#		Norm Freedman <normfree@san.rr.com> August 2003
nav-port	3859/tcp	Navini Port
nav-port	3859/udp	Navini Port
#		Chris Sanders <csanders@navini.com> August 2003
sasp	3860/tcp	Server/Application State Protocol (SASP)
sasp	3860/udp	Server/Application State Protocol (SASP)
#		Alan Bivens <jbivens@us.ibm.com> August 2003
winshadow-hd	3861/tcp	winShadow Host Discovery
winshadow-hd	3861/udp	winShadow Host Discovery
#		Shu-Wei Tan <stan@omnicomtech.com> March 2003
giga-pocket	3862/tcp	GIGA-POCKET
giga-pocket	3862/udp	GIGA-POCKET
#		Yoshikazu Watanabe <nabe@sm.sony.co.jp>
asap-tcp	3863/tcp	asap tcp port
asap-udp	3863/udp	asap udp port
#		Lyndon Ong <lyong@ciena.com> August 2003
asap-sctp	3863/sctp	asap sctp

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# Lyndon Ong <lyong@ciena.com> November 2005
asap-tcp-tls 3864/tcp asap/tls tcp port
# Lyndon Ong <lyong@ciena.com> August 2003
asap-sctp-tls 3864/sctp asap-sctp/tls
# Lyndon Ong <lyong@ciena.com> June 2006
xpl 3865/tcp xpl automation protocol
xpl 3865/udp xpl automation protocol
# Ian Lowe <ian@xplproject.org.uk> August 2003
dzdaemon 3866/tcp Sun SDViz DZDAEMON Port
dzdaemon 3866/udp Sun SDViz DZDAEMON Port
# Kevin Rushforth <kevin.rushforth@sun.com> August
2003
dzoglserver 3867/tcp Sun SDViz DZOGLSERVER Port
dzoglserver 3867/udp Sun SDViz DZOGLSERVER Port
# Kevin Rushforth <kevin.rushforth@sun.com> August
2003
diameter 3868/tcp DIAMETER
# 3868/udp Reserved
diameter 3868/sctp DIAMETER
# RFC-ietf-aaa-diameter-17.txt
ovsam-mgmt 3869/tcp hp OVSAM MgmtServer Disco
ovsam-mgmt 3869/udp hp OVSAM MgmtServer Disco
# Mike Pontillo <pontillo@hp.com> August 2003
ovsam-d-agent 3870/tcp hp OVSAM HostAgent Disco
ovsam-d-agent 3870/udp hp OVSAM HostAgent Disco
# Mike Pontillo <pontillo@hp.com> August 2003
avocent-adsap 3871/tcp Avocent DS Authorization
avocent-adsap 3871/udp Avocent DS Authorization
# Eduardo Fernandez <eduardo.fernandez@avocent.com>
August 2003
oem-agent 3872/tcp OEM Agent
oem-agent 3872/udp OEM Agent
# Narain Jagathesan <narain.jagathesan@oracle.com>
November 2003
fagordnc 3873/tcp fagordnc
fagordnc 3873/udp fagordnc
# Luis Zugasti <lzugasti@fagorautomation.es> November
2003
sixxsconfig 3874/tcp SixXS Configuration
sixxsconfig 3874/udp SixXS Configuration
# Jeroen Massar <jeroen@unfix.org> November 2003
pnbscada 3875/tcp PNBSCADA
pnbscada 3875/udp PNBSCADA
# Philip N. Bergstresser <phil@bergstresser.org>
dl_agent 3876/tcp DirectoryLockdown Agent
dl_agent 3876/udp DirectoryLockdown Agent
# NetPro Computing <ports@netpro.com> October 2003
xmpcr-interface 3877/tcp XMPCR Interface Port
xmpcr-interface 3877/udp XMPCR Interface Port
# Christopher Carlson <cjc@dobbz.com> October 2003
fotogcad 3878/tcp FotoG CAD interface
fotogcad 3878/udp FotoG CAD interface
# Jason Szabo <jason.szabo@vexcel.com> October 2003
appss-lm 3879/tcp appss license manager
appss-lm 3879/udp appss license manager
# Peter Krueger <krueger@appss.de> October 2003
igrs 3880/tcp IGRS

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igrs	3880/udp	IGRS
#		Huang Jingnan <huangjnb@lenovo.com> October 2003
idac	3881/tcp	Data Acquisition and Control
idac	3881/udp	Data Acquisition and Control
#		Chatziandreoglou Christos <chatzi@xan.forthnet.gr>
October 2003		
msdts1	3882/tcp	DTS Service Port
msdts1	3882/udp	DTS Service Port
#		Sergei Ivanov <sergei@microsoft.com> October 2003
vrpn	3883/tcp	VR Peripheral Network
vrpn	3883/udp	VR Peripheral Network
#		Russell M. Taylor II <taylor@cs.unc.edu> October
2003		
softrack-meter	3884/tcp	SofTrack Metering
softrack-meter	3884/udp	SofTrack Metering
#		John T. McCann <jmccann@softwaremetering.com>
October 2003		
topflow-ssl	3885/tcp	TopFlow SSL
topflow-ssl	3885/udp	TopFlow SSL
#		Ken Nelson <nelson@TopLayer.com>
nei-management	3886/tcp	NEI management port
nei-management	3886/udp	NEI management port
#		Kevin Murphy <kevin.murphy@networkengines.com>
October 2003		
ciphire-data	3887/tcp	Ciphire Data Transport
ciphire-data	3887/udp	Ciphire Data Transport
#		Lars Eilebrecht <le+iana@leogic.com> October 2003
ciphire-serv	3888/tcp	Ciphire Services
ciphire-serv	3888/udp	Ciphire Services
#		Lars Eilebrecht <le+iana@leogic.com> October 2003
dandv-tester	3889/tcp	D and V Tester Control Port
dandv-tester	3889/udp	D and V Tester Control Port
#		Voiko Loukanov <v.loukanov@dvelectronics.com>
October 2003		
ndsconnect	3890/tcp	Niche Data Server Connect
ndsconnect	3890/udp	Niche Data Server Connect
#		Roland Schneider <rsch@nicherms.com> October 2003
rtc-pm-port	3891/tcp	Oracle RTC-PM port
rtc-pm-port	3891/udp	Oracle RTC-PM port
#		PV Shivkumar <p.shivkumar@oracle.com> October 2003
pcc-image-port	3892/tcp	PCC-image-port
pcc-image-port	3892/udp	PCC-image-port
#		Shiro Tamoto <tamoto.shiro@jp.panasonic.com> October
2003		
cgi-starapi	3893/tcp	CGI StarAPI Server
cgi-starapi	3893/udp	CGI StarAPI Server
#		Garry Moore <garry.moore@cgi.com> October 2003
syam-agent	3894/tcp	SyAM Agent Port
syam-agent	3894/udp	SyAM Agent Port
#		Michael Daniele <michael.daniele@syamssoftware.com>
October 2003		
syam-smc	3895/tcp	SyAm SMC Service Port
syam-smc	3895/udp	SyAm SMC Service Port
#		Michael Daniele <michael.daniele@syamssoftware.com>
October 2003		
sdo-tls	3896/tcp	Simple Distributed Objects over TLS
sdo-tls	3896/udp	Simple Distributed Objects over TLS

#		Alexander Philippou <alex@noemax.com> October 2003
sdo-ssh	3897/tcp	Simple Distributed Objects over SSH
sdo-ssh	3897/udp	Simple Distributed Objects over SSH
#		Alexander Philippou <alex@noemax.com> October 2003
senip	3898/tcp	IAS, Inc. SmartEye NET Internet Protocol
senip	3898/udp	IAS, Inc. SmartEye NET Internet Protocol
#		Matt Nowicki <nowickim@iasdirect.com> October 2003
itv-control	3899/tcp	ITV Port
itv-control	3899/udp	ITV Port
#		Alex Nicu <alex.nicu@philips.com> October 2003
udt_os	3900/tcp	Unidata UDT OS
udt_os	3900/udp	Unidata UDT OS
#		James Powell <james@mailhost.unidata.com>
nimsh	3901/tcp	NIM Service Handler
nimsh	3901/udp	NIM Service Handler
#		Paul B. Finley <pfinley@us.ibm.com> October 2003
nimaux	3902/tcp	NIMsh Auxiliary Port
nimaux	3902/udp	NIMsh Auxiliary Port
#		Paul B. Finley <pfinley@us.ibm.com> October 2003
charsetmgr	3903/tcp	CharsetMGR
charsetmgr	3903/udp	CharsetMGR
#		Tatsuya Ueda <tatsu@ist.fujitsu.com> October 2003
omnilink-port	3904/tcp	Arnet Omnilink Port
omnilink-port	3904/udp	Arnet Omnilink Port
#		Ronen Shaul <ronen@arnetsystems.com> October 2003
mupdate	3905/tcp	Mailbox Update (MUPDATE) protocol
mupdate	3905/udp	Mailbox Update (MUPDATE) protocol
#		RFC-draft-siemborski-mupdate-04.txt October 2003
topovista-data	3906/tcp	TopoVista elevation data
topovista-data	3906/udp	TopoVista elevation data
#		Gregg Townsend <gmt@cs.arizona.edu> November 2003
imoguia-port	3907/tcp	Imoguia Port
imoguia-port	3907/udp	Imoguia Port
#		Emidio Cunha <emidio@janeladigital.com> November
2003		
hppronetman	3908/tcp	HP Procurve NetManagement
hppronetman	3908/udp	HP Procurve NetManagement
#		Devon Dawson <devon.dawson@hp.com> November 2003
surfcontrolcpa	3909/tcp	SurfControl CPA
surfcontrolcpa	3909/udp	SurfControl CPA
#		Hywel Morgan <hywel@surfcontrol.com> November 2003
prnrequest	3910/tcp	Printer Request Port
prnrequest	3910/udp	Printer Request Port
#		Brett Green <brett_green@hp.com> November 2003
prnstatus	3911/tcp	Printer Status Port
prnstatus	3911/udp	Printer Status Port
#		Brett Green <brett_green@hp.com> November 2003
gbmt-stars	3912/tcp	Global Maintech Stars
gbmt-stars	3912/udp	Global Maintech Stars
#		Harry Goldschmitt <hgoldschmitt@hgac.com> November
2003		
listcrt-port	3913/tcp	ListCREATOR Port
listcrt-port	3913/udp	ListCREATOR Port
#		Tomokazu Asai <asai.tomokazu@pfu.fujitsu.com>
November 2003		
listcrt-port-2	3914/tcp	ListCREATOR Port 2
listcrt-port-2	3914/udp	ListCREATOR Port 2

#		Tomokazu Asai <asai.tomokazu@pfu.fujitsu.com>
November 2003		
agcat	3915/tcp	Auto-Graphics Cataloging
agcat	3915/udp	Auto-Graphics Cataloging
#		Paul Cope <prc@auto-graphics.com> November 2003
wysdmc	3916/tcp	WysDM Controller
wysdmc	3916/udp	WysDM Controller
#		Jim McDonald <jim.mcdonald@sysdm.com> November 2003
aftmux	3917/tcp	AFT multiplex port
aftmux	3917/udp	AFT multiples port
#		Alfred Schmidt <a.schmidt@aft-werdohl.de> November
2003		
pktcablemmcps	3918/tcp	PacketCableMultimediaCOPS
pktcablemmcps	3918/udp	PacketCableMultimediaCOPS
#		Eric Rosenfeld <e.rosenfeld@cablelabs.com> November
2003		
hyperip	3919/tcp	HyperIP
hyperip	3919/udp	HyperIP
#		Dave Reiland <dave.reiland@netex.com> November 2003
exasoftport1	3920/tcp	Exasoft IP Port
exasoftport1	3920/udp	Exasoft IP Port
#		Alan Malik <alan@exasoft.co.uk> November 2003
herodotus-net	3921/tcp	Herodotus Net
herodotus-net	3921/udp	Herodotus Net
#		Adam Gawne-Cain <adam@gawncainresearch.co.uk>
November 2003		
sor-update	3922/tcp	Soronti Update Port
sor-update	3922/udp	Soronti Update Port
#		Carleton Watkins <carleton@soronti.com> November
2003		
symb-sb-port	3923/tcp	Symbian Service Broker
symb-sb-port	3923/udp	Symbian Service Broker
#		Ian McDowall <ian.mcdowall@symbian.com> November
2003		
mpl-gprs-port	3924/tcp	MPL_GPRS_PORT
mpl-gprs-port	3924/udp	MPL_GPRS_Port
#		David Barrass <david.barrass@minorplante.com>
November 2003		
zmp	3925/tcp	Zoran Media Port
zmp	3925/udp	Zoran Media Port
#		Gerard Cerchio gjpc@circlesoft.com November 2003
winport	3926/tcp	WINPort
winport	3926/udp	WINPort
#		Alwin Egger <alwin.egger@tegonal.com> November 2003
natdataservice	3927/tcp	ScsTsr
natdataservice	3927/udp	ScsTsr
#		Ghanshyam Patel <gpatel@natinc.com> November 2003
netboot-pxe	3928/tcp	PXE NetBoot Manager
netboot-pxe	3928/udp	PXE NetBoot Manager
#		Markus Treinen <markus.treinen@siemens.com> November
2003		
smauth-port	3929/tcp	AMS Port
smauth-port	3929/udp	AMS Port
#		Angelique Dokos <angelique.dokos@hp.com> November
2003		
syam-webserver	3930/tcp	Syam Web Server Port
syam-webserver	3930/udp	Syam Web Server Port

#		Michael Daniele <michael.daniele@syamssoftware.com>
November 2003		
msr-plugin-port	3931/tcp	MSR Plugin Port
msr-plugin-port	3931/udp	MSR Plugin Port
#		Ron Steed <rsteed@cemaphore.com> November 2003
dyn-site	3932/tcp	Dynamic Site System
dyn-site	3932/udp	Dynamic Site System
#		Steve Qi <steve.qi@dyn-site.com> November 2003
plbserve-port	3933/tcp	PL/B App Server User Port
plbserve-port	3933/udp	PL/B App Server User Port
#		Edward R. Boedecker <boedeck1@flash.net> November
2003		
sunfm-port	3934/tcp	PL/B File Manager Port
sunfm-port	3934/udp	PL/B File Manager Port
#		Edward R. Boedecker <boedeck1@flash.net> November
2003		
sdp-portmapper	3935/tcp	SDP Port Mapper Protocol
sdp-portmapper	3935/udp	SDP Port Mapper Protocol
#		James Pinkerton <jpink@microsoft.com> November 2003
mailprox	3936/tcp	Mailprox
mailprox	3936/udp	Mailprox
#		Christof Drescher <drescher@mailprox.net> November
2003		
dvbservdscport	3937/tcp	DVB Service Disc Port
dvbservdscport	3937/udp	DVB Service Disc Port
#		Bert van Willigen <bert.vanwilligen@philips.com>
November 2003		
dbcontrol_agent	3938/tcp	Oracle dbControl Agent po
dbcontrol_agent	3938/udp	Oracel dbControl Agent po
#		Todd Guay <todd.guay@oracle.com> November 2003
aamp	3939/tcp	Anti-virus Application Management Port
aamp	3939/udp	Anti-virus Application Management Port
#		In-sik Choi <iscard@virusdesk.com> February 2002
xecp-node	3940/tcp	XeCP Node Service
xecp-node	3940/udp	XeCP Node Service
#		Brent McCullough <bmccullough@timemgmt.com> November
2003		
homeportal-web	3941/tcp	Home Portal Web Server
homeportal-web	3941/udp	Home Portal Web Server
#		Christian Beaumont <chrisb@lantronix.com> November
2003		
srdp	3942/tcp	satellite distribution
srdp	3942/udp	satellite distribution
#		Simone Molendini <simone.molendini@unile.it>
November 2003		
tig	3943/tcp	TetraNode Ip Gateway
tig	3943/udp	TetraNode Ip Gateway
#		B. van Klinken <b.vklinken@rohill.nl> December 2003
sops	3944/tcp	S-Ops Management
sops	3944/udp	S-Ops Management
#		Stefan Hochuli <iana.org@dunes.ch> December 2003
emcads	3945/tcp	EMCADS Server Port
emcads	3945/udp	EMCADS Server Port
#		Jimi Thor Joergensen <jimi@giritech.com> January
2004		
backupedge	3946/tcp	BackupEDGE Server
backupedge	3946/udp	BackupEDGE Server

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#                               Frank Liberato <frank@microlite.com> June 2004
ccp                3947/tcp      Connect and Control Protocol for Consumer,
Commercial, and Industrial Electronic Devices
ccp                3947/udp      Connect and Control Protocol for Consumer,
Commercial, and Industrial Electronic Devices
#                               Aaron Myer <aaron.myer@in2nets.com> June 2004
apdap             3948/tcp      Anton Paar Device Administration Protocol
apdap             3948/udp      Anton Paar Device Administration Protocol
#                               Martin Leitner <info@anton-paar.com> June 2004
drip              3949/tcp      Dynamic Routing Information Protocol
drip              3949/udp      Dynamic Routing Information Protocol
#                               Dana Blair <dblair@cisco.com> June 2004
namemunge         3950/tcp      Name Munging
namemunge         3950/udp      Name Munging
#                               John C. Klensin <klensin@jck.com> July 2004
pwgippfax         3951/tcp      PWG IPP Facsimile
pwgippfax         3951/udp      PWG IPP Facsimile
#                               Ira McDonald <imcdonald@sharplabs.com> August 2004
i3-sessionmgr    3952/tcp      I3 Session Manager
i3-sessionmgr    3952/udp      I3 Session Manager
#                               Mike Gagle <mikeg@inin.com> August 2004
xmlink-connect   3953/tcp      Eydeas XMLink Connect
xmlink-connect   3953/udp      Eydeas XMLink Connect
#                               David Crewson <davidc@eydeas.net> September 2004
adrep            3954/tcp      AD Replication RPC
adrep            3954/udp      AD Replication RPC
#                               Robert Ball <robert.ball@smiths-aerospace.com>
August 2005
p2pcommunity     3955/tcp      p2pCommunity
p2pcommunity     3955/udp      p2pCommunity
#                               Tiago Bittencourt Silva <tiagobs@ufpr.br> August
2005
gvcp              3956/tcp      GigE Vision Control
gvcp              3956/udp      GigE Vision Control
#                               Eric Carey <ecarey@corecoimaging.com> August 2005
mqe-broker       3957/tcp      MQEnterprise Broker
mqe-broker       3957/udp      MQEnterprise Broker
mqe-agent        3958/tcp      MQEnterprise Agent
mqe-agent        3958/udp      MQEnterprise Agent
#                               Don Celli <don.celli@asg.com> August 2005
treehopper       3959/tcp      Tree Hopper Networking
treehopper       3959/udp      Tree Hopper Networking
#                               Gary Whelan <gwhelan@sybonic.com> August 2005
bess             3960/tcp      Bess Peer Assessment
bess             3960/udp      Bess Peer Assessment
#                               Peter Verdon <bess@dcs.warwick.ac.uk> August 2005
proxess          3961/tcp      ProAcess Server
proxess          3961/udp      ProAcess Server
#                               Jonas Ahlqvist <jonas.a@informationssystem.se>
August 2005
sbi-agent        3962/tcp      SBI Agent Protocol
sbi-agent        3962/udp      SBI Agent Protocol
#                               Yossi Applebourn <yossia@web-silicon.com> August 2005
thrp             3963/tcp      Teran Hybrid Routing Protocol
thrp             3963/udp      Teran Hybrid Routing Protocol
#                               Spencer Teran <steran@dotalot.com> August 2005
sasgprs          3964/tcp      SASG GPRS

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sasggprs 3964/udp SASG GPRS
Cristian Petculescu <petcu40@gmail.com> August 2005
ati-ip-to-ncpe 3965/tcp Avanti IP to NCPE API
ati-ip-to-ncpe 3965/udp Avanti IP to NCPE API
Steve Meyer, Sr. <stevem@avanti-tech.com> August
2005
bflckmgr 3966/tcp BuildForge Lock Manager
bflckmgr 3966/udp BuildForge Lock Manager
Joe Senner <jsenner@buildforge.com> August 2005
ppsms 3967/tcp PPS Message Service
ppsms 3967/udp PPS Message Service
Bart Schaefer <bart@suburbansoftware.com> August
2005
ianywhere-dbns 3968/tcp iAnywhere DBNS
ianywhere-dbns 3968/udp iAnywhere DBNS
Graeme Perrow <gperrow@ianywhere.com> August 2005
landmarks 3969/tcp Landmark Messages
landmarks 3969/udp Landmark Messages
Petri Rauhala <petri.rauhala@nokia.com> August 2005
lanrevagent 3970/tcp LANrev Agent
lanrevagent 3970/udp LANrev Agent
lanrevserver 3971/tcp LANrev Server
lanrevserver 3971/udp LANrev Server
Martin Bestmann <martin@poleposition-sw.com> August
2005
iconp 3972/tcp ict-control Protocol
iconp 3972/udp ict-control Protocol
Roel Harbers <r.harbers@ict-control.com> August 2005
progistics 3973/tcp ConnectShip Progistics
progistics 3973/udp ConnectShip Progistics
Jeff Skaistis <jskaistis@connectship.com> August
2005
citysearch 3974/tcp Remote Applicant Tracking Service
citysearch 3974/udp Remote Applicant Tracking Service
Marc Castelluccio <mcastell@areanetworks.net> August
2005
airshot 3975/tcp Air Shot
airshot 3975/udp Air Shot
Shingo Kimura <Shingo.Kimura@jp.sony.com> August
2005
opswagent 3976/tcp Opsware Agent
opswagent 3976/udp Opsware Agent
opswmanager 3977/tcp Opsware Manager
opswmanager 3977/udp Opsware Manager
Dave Jagoda <dj@opsware.com> June 2006
secure-cfg-svr 3978/tcp Secured Configuration Server
secure-cfg-svr 3978/udp Secured Configuration Server
Dr. Anupam Bharali <paniana@gmail.com> June 2006
smwan 3979/tcp Smith Micro Wide Area Network Service
smwan 3979/udp Smith Micro Wide Area Network Service
David Sperling <dsperling@smithmicro.com> June 2006
acms 3980/tcp Aircraft Cabin Management System
acms 3980/udp Aircraft Cabin Management System
Dustin Zack <dustin.e.zack@gmail.com> June 2006
starfish 3981/tcp Starfish System Admin
starfish 3981/udp Starfish System Admin
Dan Razzell <dan@starfishsystems.ca> June 2006

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eis          3982/tcp    ESRI Image Server
eis          3982/udp    ESRI Image Server
eisp        3983/tcp    ESRI Image Service
eisp        3983/udp    ESRI Image Service
#           Keith Ryden <kryden@esri.com> July 2006
mapper-nodemgr 3984/tcp    MAPPER network node manager
mapper-nodemgr 3984/udp    MAPPER network node manager
mapper-mapethd 3985/tcp    MAPPER TCP/IP server
mapper-mapethd 3985/udp    MAPPER TCP/IP server
mapper-ws_ethd 3986/tcp    MAPPER workstation server
mapper-ws_ethd 3986/udp    MAPPER workstation server
#           John C. Horton <jch@unirsvl.rsvl.unisys.com>
centerline    3987/tcp    Centerline
centerline    3987/udp    Centerline
#           Mark Simpson <simpson@centerline.com>
dcs-config    3988/tcp    DCS Configuration Port
dcs-config    3988/udp    DCS Configuration Port
#           Ian Cargill <ian.cargill@e-dendrite.com> August 2005
bv-queryengine 3989/tcp    BindView-Query Engine
bv-queryengine 3989/udp    BindView-Query Engine
bv-is         3990/tcp    BindView-IS
bv-is         3990/udp    BindView-IS
bv-smcsrv     3991/tcp    BindView-SMCServer
bv-smcsrv     3991/udp    BindView-SMCServer
bv-ds         3992/tcp    BindView-DirectoryServer
bv-ds         3992/udp    BindView-DirectoryServer
bv-agent      3993/tcp    BindView-Agent
bv-agent      3993/udp    BindView-Agent
#           David A. Gayler <David.Gayler@bindview.com> August
2005
objserver     3994/tcp    Objectika Administrator Server
objserver     3994/udp    Objectika Administrator Server
#           Objectika Ltd <objectika@gmail.com> July 2006
iss-mgmt-ssl  3995/tcp    ISS Management Svcs SSL
iss-mgmt-ssl  3995/udp    ISS Management Svcs SSL
#           Wes Wilson <wwilson@iss.net> October 2003
abcsoftware   3996/tcp    abcsoftware-01
abscoftware   3996/udp    abcsoftware-01
#           Andrew Zimmerman <andrew@zimmerman.net> June 2004
agentsease-db 3997/tcp    aes_db
agentsease-db 3997/udp    aes_db
#           Colin Hughes <chughes@agentsease.net> February 2006
#           3998-3999 Unassigned
terabase      4000/tcp    Terabase
terabase      4000/udp    Terabase
#           Thor Olson <Thor@terabase.com>
##### Potential Conflict of ports #####
##### PORT 4000 also used by ICQ <www.icq.com> #####
newoak        4001/tcp    NewOak
newoak        4001/udp    NewOak
#           Jim Philippou <jphilippou@newoak.com>
pxc-spvr-ft   4002/tcp    pxc-spvr-ft
pxc-spvr-ft   4002/udp    pxc-spvr-ft
pxc-splr-ft   4003/tcp    pxc-splr-ft
pxc-splr-ft   4003/udp    pxc-splr-ft
pxc-roid      4004/tcp    pxc-roid
pxc-roid      4004/udp    pxc-roid

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pxc-pin          4005/tcp   pxc-pin
pxc-pin          4005/udp   pxc-pin
pxc-spvr        4006/tcp   pxc-spvr
pxc-spvr        4006/udp   pxc-spvr
pxc-splr        4007/tcp   pxc-splr
pxc-splr        4007/udp   pxc-splr
#
netcheque       4008/tcp   NetCheque accounting
netcheque       4008/udp   NetCheque accounting
#
chimera-hwm     4009/tcp   Chimera HWM
chimera-hwm     4009/udp   Chimera HWM
#
samsung-unidex 4010/tcp   Samsung Unidex
samsung-unidex 4010/udp   Samsung Unidex
#
altserviceboot 4011/tcp   Alternate Service Boot
altserviceboot 4011/udp   Alternate Service Boot
#
pda-gate        4012/tcp   PDA Gate
pda-gate        4012/udp   PDA Gate
#
acl-manager     4013/tcp   ACL Manager
acl-manager     4013/udp   ACL Manager
#
taiclock        4014/tcp   TAICLOCK
taiclock        4014/udp   TAICLOCK
#
talarian-mcast1 4015/tcp   Talarian Mcast
talarian-mcast1 4015/udp   Talarian Mcast
talarian-mcast2 4016/tcp   Talarian Mcast
talarian-mcast2 4016/udp   Talarian Mcast
talarian-mcast3 4017/tcp   Talarian Mcast
talarian-mcast3 4017/udp   Talarian Mcast
talarian-mcast4 4018/tcp   Talarian Mcast
talarian-mcast4 4018/udp   Talarian Mcast
talarian-mcast5 4019/tcp   Talarian Mcast
talarian-mcast5 4019/udp   Talarian Mcast
#
trap            4020/tcp   TRAP Port
trap            4020/udp   TRAP Port
#
nexus-portal    4021/tcp   Nexus Portal
nexus-portal    4021/udp   Nexus Portal
#
dnox            4022/tcp   DNOX
dnox            4022/udp   DNOX
#
esnm-zoning     4023/tcp   ESNM Zoning Port
esnm-zoning     4023/udp   ESNM Zoning Port
#
tnp1-port       4024/tcp   TNP1 User Port
tnp1-port       4024/udp   TNP1 User Port
#
partimage       4025/tcp   Partition Image Port
partimage       4025/udp   Partition Image Port
#

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as-debug	4026/tcp	Graphical Debug Server
as-debug	4026/udp	Graphical Debug Server
#		Steve Halverson <shalver@us.ibm.com>
bxp	4027/tcp	bitxpress
bxp	4027/udp	bitxpress
#		Morgan Doyle <morgan@mpt.ie>
dtserver-port	4028/tcp	DTServer Port
dtserver-port	4028/udp	DTServer Port
#		Stephen Aikins <stephen.aikins@embarcadero.com>
ip-qsig	4029/tcp	IP Q signaling protocol
ip-qsig	4029/udp	IP Q signaling protocol
#		Toru Tachibana <tatibana@exs.ts.fujitsu.co.jp>
jdmn-port	4030/tcp	Accell/JSP Daemon Port
jdmn-port	4030/udp	Accell/JSP Daemon Port
#		Art Grand <aig@unify.com>
suucp	4031/tcp	UUCP over SSL
suucp	4031/udp	UUCP over SSL
#		Harald Welte <laforge@gnumonks.org>
vrts-auth-port	4032/tcp	VERITAS Authorization Service
vrts-auth-port	4032/udp	VERITAS Authorization Service
#		Stefan Winkel <stefan@veritas.com>
sanavigator	4033/tcp	SANavigator Peer Port
sanavigator	4033/udp	SANavigator Peer Port
#		Robert J. Chansler <robert.chansler@mcddata.com>
ubxd	4034/tcp	Ubiquinox Daemon
ubxd	4034/udp	Ubiquinox Daemon
#		Kit Smithers <ksmithers@argogroup.com>
wap-push-http	4035/tcp	WAP Push OTA-HTTP port
wap-push-http	4035/udp	WAP Push OTA-HTTP port
wap-push-https	4036/tcp	WAP Push OTA-HTTP secure
wap-push-https	4036/udp	WAP Push OTA-HTTP secure
#		Matthieu Lachance
#		<matthieu.lachance@openwave.com>
ravehd	4037/tcp	RaveHD network control
ravehd	4037/udp	RaveHD network control
#		Jason Howard <jason@spectsoft.com> January 2006
fazzt-ptp	4038/tcp	Fazzt Point-To-Point
fazzt-ptp	4038/udp	Fazzt Point-To-Point
fazzt-admin	4039/tcp	Fazzt Administration
fazzt-admin	4039/udp	Fazzt Administration
#		Lewis Wolfgang <wolfgang@kencast.com> May 2006
yo-main	4040/tcp	Yo.net main service
yo-main	4040/udp	Yo.net main service
#		John Tintor <jt@yo.net>
houston	4041/tcp	Rocketeer-Houston
houston	4041/udp	Rocketeer-Houston
#		Johnny C. Norris II <jnorris@uiuc.edu>
ldxp	4042/tcp	LDXP
ldxp	4042/udp	LDXP
#		Craig Calef <craig@katmango.com>
nirp	4043/tcp	Neighbour Identity Resolution
nirp	4043/udp	Neighbour Identity Resolution
ltp	4044/tcp	Location Tracking Protocol
ltp	4044/udp	Location Tracking Protocol
npp	4045/tcp	Network Paging Protocol
npp	4045/udp	Network Paging Protocol
acp-proto	4046/tcp	Accounting Protocol

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acp-proto      4046/udp      Accounting Protocol
ctp-state      4047/tcp      Context Transfer Protocol
ctp-state      4047/udp      Context Transfer Protocol
#
#              Hesham Soliman <H.Soliman@flarion.com> November 2005
objadmin       4048/tcp      Objectika Administrator Agent
objadmin       4048/udp      Objectika Administrator Agent
#
#              Objectika Ltd <objectika@gmail.com> June 2006
wafs           4049/tcp      Wide Area File Services
wafs           4049/udp      Wide Area File Services
#
#              Yuval Hager <yuval@avramzon.net> January 2006
cisco-wafs     4050/tcp      Wide Area File Services
cisco-wafs     4050/udp      Wide Area File Services
#
#              Etai Lev-Ran <elevran@cisco.com> February 2005
cppdp          4051/tcp      Cisco Peer to Peer Distribution Protocol
cppdp          4051/udp      Cisco Peer to Peer Distribution Protocol
#
#              Susan Sauter <ssauter@cisco.com> July 2006
interact       4052/tcp      VoiceConnect Interact
interact       4052/udp      VoiceConnect Interact
#
#              Jonathan Custance <jevc@camrivo.com> July 2006
ccu-comm-1     4053/tcp      CosmoCall Universe Communications Port 1
ccu-comm-1     4053/udp      CosmoCall Universe Communications Port 1
ccu-comm-2     4054/tcp      CosmoCall Universe Communications Port 2
ccu-comm-2     4054/udp      CosmoCall Universe Communications Port 2
ccu-comm-3     4055/tcp      CosmoCall Universe Communications Port 3
ccu-comm-3     4055/udp      CosmoCall Universe Communications Port 3
#
#              Steve Dellutri <sdellutri@cosmocom.com> July 2006
lms            4056/tcp      Location Message Service
lms            4056/udp      Location Message Service
#
#              Sergey Burnevsky <sergey.burnevsky@nokia.com> August 2006
wfm            4057/tcp      Servigistics WFM server
wfm            4057/udp      Servigistics WFM server
#
#              Yuri Machkasov <ymachkasov@servigistics.com> August 2006
kingfisher     4058/tcp      Kingfisher protocol
kingfisher     4058/udp      Kingfisher protocol
#
#              Vaughan Wesson <vaughanw@rtunet.com> October 2006
dlms-cosem     4059/tcp      DLMS/COSEM
dlms-cosem     4059/udp      DLMS/COSEM
#
#              Gyozo Kmethy <gyozo.kmethy@gnarus.hu> November 2006
dsmeter_iatc   4060/tcp      DSMETER Inter-Agent Transfer Channel
dsmeter_iatc   4060/udp      DSMETER Inter-Agent Transfer Channel
#
#              john mccann <jmccann@visualclick.com> December 2006
ice-location   4061/tcp      Ice Location Service (TCP)
ice-location   4061/udp      Ice Location Service (TCP)
ice-slocation  4062/tcp      Ice Location Service (SSL)
ice-slocation  4062/udp      Ice Location Service (SSL)
ice-router     4063/tcp      Ice Firewall Traversal Service (TCP)
ice-router     4063/udp      Ice Firewall Traversal Service (TCP)
ice-srouter    4064/tcp      Ice Firewall Traversal Service (SSL)
ice-srouter    4064/udp      Ice Firewall Traversal Service (SSL)
#
#              Bernard Normier <bernard@zeroc.com> December 2006
avanti_cdp     4065/tcp      Avanti Common Data
avanti_cdp     4065/udp      Avanti Common Data
#
#              Steve Meyer, Sr. <stevem@avanti-tech.com> February 2007
pmas           4066/tcp      Performance Measurement and Analysis
pmas           4066/udp      Performance Measurement and Analysis
#
#              Zenon Fortuna <zenon@mips.com> February 2007
idp            4067/tcp      Information Distribution Protocol

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idp          4067/udp    Information Distribution Protocol
#           Michaela Vanderveen <mvandervn@yahoo.com> February 2007
#           4068-4088  Unassigned
opencore     4089/tcp    OpenCORE Remote Control Service
opencore     4089/udp    OpenCORE Remote Control Service
#           Pim van Riezen <registries@panelsix.com> July 2006
omasgport    4090/tcp    OMA BCAST Service Guide
omasgport    4090/udp    OMA BCAST Service Guide
#           Mark Lipford <mark.a.lipford@sprint.com> July 2006
ewinstaller  4091/tcp    EminentWare Installer
ewinstaller  4091/udp    EminentWare Installer
ewdgs        4092/tcp    EminentWare DGS
ewdgs        4092/udp    EminentWare DGS
#           David A. Gayler <dgayler@eminentware.com> July 2006
pvxpluscs   4093/tcp    Pvx Plus CS Host
pvxpluscs   4093/udp    Pvx Plus CS Host
#           Michael King <mike.king@pvxplus.com> July 2006
sysrqd      4094/tcp    sysrq daemon
sysrqd      4094/udp    sysrq daemon
#           Julien Danjou <acid@debian.org> July 2006
xtgui       4095/tcp    xtgui information service
xtgui       4095/udp    xtgui information service
#           Jim Robanske <jimr@cray.com> May 2006
bre         4096/tcp    BRE (Bridge Relay Element)
bre         4096/udp    BRE (Bridge Relay Element)
#           Stephen Egbert <egbert@ra.timeplex.com>
patrolview  4097/tcp    Patrol View
patrolview  4097/udp    Patrol View
#           Portnoy Boxman <portnoy_boxman@bmc.com>
drmsfsd     4098/tcp    drmsfsd
drmsfsd     4098/udp    drmsfsd
#           Masao Iwai <iwai@kel.fujitsu.co.jp>
dpcp        4099/tcp    DPCP
dpcp        4099/udp    DPCP
#           John Croft <john.croft@calista.demon.co.uk>
igo-incognito 4100/tcp    IGo Incognito Data Port
igo-incognito 4100/udp    IGo Incognito Data Port
#           Paul Reddy <support@igo-incognito.com> February 2002
brlp-0      4101/tcp    Braille protocol
brlp-0      4101/udp    Braille protocol
brlp-1      4102/tcp    Braille protocol
brlp-1      4102/udp    Braille protocol
brlp-2      4103/tcp    Braille protocol
brlp-2      4103/udp    Braille protocol
brlp-3      4104/tcp    Braille protocol
brlp-3      4104/udp    Braille protocol
#           SÈbastien Hinderer <Sebastien.Hinderer@ens-lyon.org> March
2006
shofarplayer 4105/tcp    ShofarPlayer
shofarplayer 4105/udp    ShofarPlayer
#           John Kozlowski <John.Kozlowski@HeritageSystems.com> July
2006
synchronite  4106/tcp    Synchronite
synchronite  4106/udp    Synchronite
#           James Figgins <james.figgins@durodata.co.uk> July 2006
j-ac        4107/tcp    JDL Accounting LAN Service
j-ac        4107/udp    JDL Accounting LAN Service

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#           Takashi Sahara <sahara@jdl.co.jp> September 2006
accel      4108/tcp    ACCEL
accel      4108/udp    ACCEL
#           Masahiro Koiwai <Koiwai.Masahiro@exc.epson.co.jp> October
2006
izm        4109/tcp    Instantiated Zero-control Messaging
izm        4109/udp    Instantiated Zero-control Messaging
#           David Miller <dave.dsm@gmail.com> February 2007
g2tag     4110/tcp    G2 RFID Tag Telemetry Data
g2tag     4110/udp    G2 RFID Tag Telemetry Data
#           David Goodall <david.goodall@g2microsystems.com> February
2007
xgrid     4111/tcp    Xgrid
xgrid     4111/udp    Xgrid
#           David Kramer <dkramer@apple.com> November 2004
apple-vpns-rp 4112/tcp    Apple VPN Server Reporting Protocol
apple-vpns-rp 4112/udp    Apple VPN Server Reporting Protocol
#           Christophe Allie <callie@apple.com> August 2006
aipn-reg  4113/tcp    AIPN LS Registration
aipn-reg  4113/udp    AIPN LS Registration
#           Qiang Zhang <iad@iwncomm.com> October 2006
jomamqmonitor 4114/tcp    JomaMQMonitor
jomamqmonitor 4114/udp    JomaMQMonitor
#           Marcel Hofstetter <marcel.hofstetter@jomasoft.ch>
January 2003
cds       4115/tcp    CDS Transfer Agent
cds       4115/udp    CDS Transfer Agent
#           Neil Coggins <neil.coggins@6thsight.com> July 2006
smartcard-tls 4116/tcp    smartcard-TLS
smartcard-tls 4116/udp    smartcard-TLS
#           Ilan Mahalal <imahalal@axalto.com> April 2006
xmlivestream 4117/tcp    xmLive Streaming Service
xmlivestream 4117/udp    xmLive Streaming Service
#           Freddy A. Ayuso-Henson <frecom32@hotmail.com> November 2006
netscript 4118/tcp    Netadmin Systems NETscript service
netscript 4118/udp    Netadmin Systems NETscript service
#           G^ran Runfeldt <goran@netadmin.se> December 2006
assuria-slm 4119/tcp    Assuria Log Manager
assuria-slm 4119/udp    Assuria Log Manager
#           Nick Connor <nickc@assuria.com> December 2006
#           4120      Unassigned (Returned on 2007-02-01)
e-builder  4121/tcp    e-Builder Application Communication
e-builder  4121/udp    e-Builder Application Communication
#           James Caza <jcaza@e-builder.net> December 2006
fprams     4122/tcp    Fiber Patrol Alarm Service
fprams     4122/udp    Fiber Patrol Alarm Service
#           Zhizhong Zhuang <ZZhuang@Optellios.com> December 2006
z-wave     4123/tcp    Zensys Z-Wave Control Protocol
z-wave     4123/udp    Zensys Z-Wave Control Protocol
#           Anders Brandt, Zensys Inc. <abr@zen-sys.com> February 2007
#           4124-4131 Unassigned
nuts_dem   4132/tcp    NUTS Daemon
nuts_dem   4132/udp    NUTS Daemon
nuts_bootp 4133/tcp    NUTS Bootp Server
nuts_bootp 4133/udp    NUTS Bootp Server
#           Martin Freiss <freiss.pad@sni.>
nifty-hmi  4134/tcp    NIFTY-Serve HMI protocol

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nifty-hmi      4134/udp    NIFTY-Serve HMI protocol
#              Ryuichi Suzuki <SCI00376@niftyserve.or.jp>
cl-db-attach  4135/tcp    Classic Line Database Server Attach
cl-db-attach  4135/udp    Classic Line Database Server Attach
cl-db-request 4136/tcp    Classic Line Database Server Request
cl-db-request 4136/udp    Classic Line Database Server Request
cl-db-remote  4137/tcp    Classic Line Database Server Remote
cl-db-remote  4137/udp    Classic Line Database Server Remote
#              Arno Kirmeir <Arno.kirmeir@sage.de> January 2007
nettest       4138/tcp    nettest
nettest       4138/udp    nettest
#              David Borman <dab@windriver.com> March 2003
thrtx         4139/tcp    Imperfect Networks Server
thrtx         4139/udp    Imperfect Networks Server
#              Dinkar Chivaluri <dchivaluri@imperfectnetworks.com>
February 2006
cedros_fds    4140/tcp    Cedros Fraud Detection System
cedros_fds    4140/udp    Cedros Fraud Detection System
#              Markus Michels <markus.michels@cedros.com> October 2006
oirtgsvc     4141/tcp    Workflow Server
oirtgsvc     4141/udp    Workflow Server
oidocsvc     4142/tcp    Document Server
oidocsvc     4142/udp    Document Server
oidsr        4143/tcp    Document Replication
oidsr        4143/udp    Document Replication
#              Norman Brie <norm_brie@sns.ca>
##### Compuserve (unofficially) is using port 4144 #####
#              4144 Unassigned
vvr-control  4145/tcp    VVR Control
vvr-control  4145/udp    VVR Control
#              Ming Xu <ming@veritas.com>
tgconnect    4146/tcp    TGConnect Beacon
tgconnect    4146/udp    TGConnect Beacon
#              Brian Becker <bbecker@tgc-usa.com> October 2006
vrxpervman   4147/tcp    Multum Service Manager
vrxpervman   4147/udp    Multum Service Manager
#              Scott Mager <Scott.Mager@cerner.com> October 2006
#              4148-4153 Unassigned
atlinks      4154/tcp    atlinks device discovery
atlinks      4154/udp    atlinks device discovery
#              Scott Griepentrog <griepentrog@atlinks.com> October
2002
bzz          4155/tcp    Bazaar version control system
bzz          4155/udp    Bazaar version control system
#              Martin Pool <mbp@canonical.com> February 2007
#              4156-4158 Unassigned
nss          4159/tcp    Network Security Service
nss          4159/udp    Network Security Service
#              Dave Wierbowski <wierbowski@us.ibm.com> August 2006
jini-discovery 4160/tcp    Jini Discovery
jini-discovery 4160/udp    Jini Discovery
#              Mark Hodapp <mark.hodapp@sun.com>
omscontact   4161/tcp    OMS Contact
omscontact   4161/udp    OMS Contact
omstopology  4162/tcp    OMS Topology
omstopology  4162/udp    OMS Topology
#              David Page <david.page@sun.com> August 2005

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#           4163-4177  Unassigned
storman    4178/tcp    StorMan
storman    4178/udp    StorMan
#           Werner Guertler <Werner.Guertler@fujitsu-siemens.com>
February 2007
#           4179-4198  Unassigned
eims-admin 4199/tcp    EIMS ADMIN
eims-admin 4199/udp    EIMS ADMIN
#           Glenn Anderson <glenn@qualcomm.co.nz>
vrml-multi-use 4200-4299 VRML Multi User Systems
#           Mitra <mitra@earth.path.net>
corelccam 4300/tcp    Corel CCam
corelccam 4300/udp    Corel CCam
#           Jason Aiken <jasona@corelcomputer.com>
d-data     4301/tcp    Diagnostic Data
d-data     4301/udp    Diagnostic Data
d-data-control 4302/tcp    Diagnostic Data Control
d-data-control 4302/udp    Diagnostic Data Control
#           Jon March <jon.march@paget-analyst-services.co.uk>
September 2006
srcp       4303/tcp    Simple Railroad Command Protocol
srcp       4303/udp    Simple Railroad Command Protocol
#           Matthias Trute <mtrute@web.de> January 2007
owserver   4304/tcp    One-Wire Filesystem Server
owserver   4304/udp    One-Wire Filesystem Server
#           Paul Alfille <paul.alfille@gmail.com> January 2007
#           4305-4308  Unassigned
dserver    4309/tcp    Exsequi Appliance Discovery
dserver    4309/udp    Exsequi Appliance Discovery
#           Angelo Masci <angelomasci@yahoo.co.uk> January 2007
#           4310-4319  Unassigned
fdt-rcatp 4320/tcp    FDT Remote Categorization Protocol
fdt-rcatp 4320/udp    FDT Remote Categorization Protocol
#           Russell P. Holsclaw, Fast Data Technology, Inc.
<rholsclaw@fastdatatech.com> March 2006
rwhois     4321/tcp    Remote Who Is
rwhois     4321/udp    Remote Who Is
#           Mark Kosters <markk@internic.net>
#           4322-4324  Unassigned
geognosisman 4325/tcp    Cadcorp GeognoSIS Manager Service
geognosisman 4325/udp    Cadcorp GeognoSIS Manager Service
geognosis 4326/tcp    Cadcorp GeognoSIS Service
geognosis 4326/udp    Cadcorp GeognoSIS Service
#           Martin Daly <martin.daly@cadcorp.com> November 2006
#           4327-4342  Unassigned
unicall    4343/tcp    UNICALL
unicall    4343/udp    UNICALL
#           James Powell <james@enghp.unidata.comp>
vinainstall 4344/tcp    VinaInstall
vinainstall 4344/udp    VinaInstall
#           Jay Slupesky <js@vina-tech.com>
m4-network-as 4345/tcp    Macro 4 Network AS
m4-network-as 4345/udp    Macro 4 Network AS
#           Paul Wren <Paul.Wren@macro4.com>
elanlm     4346/tcp    ELAN LM
elanlm     4346/udp    ELAN LM
#           Paul Ballew <ballew@projtech.com>

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lansurveyor      4347/tcp    LAN Surveyor
lansurveyor      4347/udp    LAN Surveyor
#                Michael Swan <swan@neon.com>
itose            4348/tcp    ITOSE
itose            4348/udp    ITOSE
#                Michael Haeuptle <Michael_Haeuptle@hp.com>
fspportmap      4349/tcp    File System Port Map
fspportmap      4349/udp    File System Port Map
#                Ron Minnich <rminnich@sarnoff.com>
net-device      4350/tcp    Net Device
net-device      4350/udp    Net Device
#                Glenn Peterson <glennp@microsoft.com>
plcy-net-svcs   4351/tcp    PLCY Net Services
plcy-net-svcs   4351/udp    PLCY Net Services
#                J.J. Ekstrom
pjlink          4352/tcp    Projector Link
pjlink          4352/udp    Projector Link
#                Mitsuo Kodama <kodama@jbmia.or.jp> June 2005
f5-iquery       4353/tcp    F5 iQuery
f5-iquery       4353/udp    F5 iQuery
#                Tom Kee <t.kee@f5.com>
qsnet-trans     4354/tcp    QSNet Transmitter
qsnet-trans     4354/udp    QSNet Transmitter
qsnet-workst    4355/tcp    QSNet Workstation
qsnet-workst    4355/udp    QSNet Workstation
qsnet-assist    4356/tcp    QSNet Assistant
qsnet-assist    4356/udp    QSNet Assistant
qsnet-cond      4357/tcp    QSNet Conductor
qsnet-cond      4357/udp    QSNet Conductor
qsnet-nucl      4358/tcp    QSNet Nucleus
qsnet-nucl      4358/udp    QSNet Nucleus
#                Neer Kleinman <neer@qsr.co.il>
#                4359-4367 Unassigned
wxbrief         4368/tcp    WeatherBrief Direct
wxbrief         4368/udp    WeatherBrief Direct
#                Kim Alan Waggoner <kimw@weatherbank.com> November 2006
epmd            4369/tcp    Erlang Port Mapper Daemon
epmd            4369/udp    Erlang Port Mapper Daemon
#                Erlang/OTP support <epmd@erix.ericsson.se> December
2004
#                4370-4399 Unassigned
ds-srv          4400/tcp    ASIGRA Services
ds-srv          4400/udp    ASIGRA Services
#                David Farajun <dfarajun@asigra.com> November 2004
ds-srvr        4401/tcp    ASIGRA Televaulting DS-System Service
ds-srvr        4401/udp    ASIGRA Televaulting DS-System Service
ds-clnt        4402/tcp    ASIGRA Televaulting DS-Client Service
ds-clnt        4402/udp    ASIGRA Televaulting DS-Client Service
ds-user        4403/tcp    ASIGRA Televaulting DS-Client Monitoring/Management
ds-user        4403/udp    ASIGRA Televaulting DS-Client Monitoring/Management
ds-admin       4404/tcp    ASIGRA Televaulting DS-System Monitoring/Management
ds-admin       4404/udp    ASIGRA Televaulting DS-System Monitoring/Management
ds-mail        4405/tcp    ASIGRA Televaulting Message Level Restore service
ds-mail        4405/udp    ASIGRA Televaulting Message Level Restore service
ds-slp         4406/tcp    ASIGRA Televaulting DS-Sleeper Service
ds-slp         4406/udp    ASIGRA Televaulting DS-Sleeper Service
#                Andrei Litvinn <support@asigra.com> January 2005

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#           4407-4425  Unassigned
beacon-port-2  4426/tcp  SMARTS Beacon Port
beacon-port-2  4426/udp  SMARTS Beacon Port
#           Eyal Yardeni <eyal.yardeni@smarts.com> November 2003
#           4427-4441  Unassigned
saris         4442/tcp  Saris
saris         4442/udp  Saris
pharos       4443/tcp  Pharos
pharos       4443/udp  Pharos
#           TeleConsult GmbH, 76275 Ettlingen, Germany
#           <teleconsult@t-online.de>
krb524       4444/tcp  KRB524
krb524       4444/udp  KRB524
#           B. Clifford Neuman <bcn@isi.edu>
# PROBLEM krb524 assigned the port,
# PROBLEM nv used it without an assignment
nv-video     4444/tcp  NV Video default
nv-video     4444/udp  NV Video default
#           Ron Frederick <frederick@parc.xerox.com>
upnotifyp   4445/tcp  UPNOTIFYP
upnotifyp   4445/udp  UPNOTIFYP
#           Mark Fox <markf@uplanet.com>
nl-fwp       4446/tcp  N1-FWP
nl-fwp       4446/udp  N1-FWP
nl-rmgmt     4447/tcp  N1-RMGMT
nl-rmgmt     4447/udp  N1-RMGMT
#           Lori Tassin <Ramsey@network-1.com>
asc-slmd     4448/tcp  ASC Licence Manager
asc-slmd     4448/udp  ASC Licence Manager
#           Casper Stoel <cbs@ascinc.com>
privatewire  4449/tcp  PrivateWire
privatewire  4449/udp  PrivateWire
#           Uri Resnitzky <info@arx.com>
camp         4450/tcp  Camp
camp         4450/udp  Camp
ctisystemmsg 4451/tcp  CTI System Msg
ctisystemmsg 4451/udp  CTI System Msg
ctiprogramload 4452/tcp  CTI Program Load
ctiprogramload 4452/udp  CTI Program Load
#           Steven Cliff <sbcliff@controltechnology.com>
nssalertmgr  4453/tcp  NSS Alert Manager
nssalertmgr  4453/udp  NSS Alert Manager
nssagentmgr  4454/tcp  NSS Agent Manager
nssagentmgr  4454/udp  NSS Agent Manager
#           Jim Hill<jhill@symantec.com>
prchat-user  4455/tcp  PR Chat User
prchat-user  4455/udp  PR Chat User
prchat-server 4456/tcp  PR Chat Server
prchat-server 4456/udp  PR Chat Server
prRegister  4457/tcp  PR Register
prRegister  4457/udp  PR Register
#           Donny Gilor <dgilor@pop01.ny.us.ibm.net>
mcp          4458/tcp  Matrix Configuration Protocol
mcp          4458/udp  Matrix Configuration Protocol
#           Tim DeBaillie <debaillie@ciholas.com> December 2006
#           4459-4483  Unassigned
hpssmgmt    4484/tcp  hpssmgmt service

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hpssmgmt      4484/udp  hpssmgmt service
#              David Straw <david.straw_at_hp.com> November 2005
#              4485-4499  Unassigned
ipsec-nat-t   4500/tcp  IPsec NAT-Traversal
ipsec-nat-t   4500/udp  IPsec NAT-Traversal
#              [RFC3947]
#              4501      De-registered (08 June 2001)
#              IANA <iana@iana.org>
#              4502-4534 Unassigned
ehs           4535/tcp  Event Heap Server
ehs           4535/udp  Event Heap Server
ehs-ssl       4536/tcp  Event Heap Server SSL
ehs-ssl       4536/udp  Event Heap Server SSL
#              Brad Johanson <bradj@tidebreak.com> August 2005
wssauthsvc    4537/tcp  WSS Security Service
wssauthsvc    4537/udp  WSS Security Service
#              Mark Tirschwell <mark.tirschwell@wallstreetsystems.com>
January 2006
isigate       4538/tcp  isigate
isigate       4538/udp  isigate
#              Julien VALIENTE <j.valiente@objectif-software.com> May 2006
#              4539-4544 Unassigned
worldscores   4545/tcp  WorldScores
worldscores   4545/udp  WorldScores
#              Steve Davis <sdavis@optum-inc.com>
sf-lm         4546/tcp  SF License Manager (Sentinel)
sf-lm         4546/udp  SF License Manager (Sentinel)
#              Thomas Koell <info@sf.com>
lanner-lm     4547/tcp  Lanner License Manager
lanner-lm     4547/udp  Lanner License Manager
#              Les Enstone <lenstone@lanner.co.uk>
synchromesh   4548/tcp  Synchromesh
synchromesh   4548/udp  Synchromesh
#              Tom Hawkins <tomahawkins@gmail.com> February 2006
aegate        4549/tcp  Aegate PMR Service
aegate        4549/udp  Aegate PMR Service
#              Nick Warrington <nick.warrington@paconsulting.com> March
2006
gds-adppiw-db 4550/tcp  Perman I Interbase Server
gds-adppiw-db 4550/udp  Perman I Interbase Server
#              Leo Lesage <leo.lesage@adp.nl> April 2006
#              4551-4553 Unassigned
msfrs         4554/tcp  MS FRS Replication
msfrs         4554/udp  MS FRS Replication
#              Kev George <Kev.George@smiths-aerospace.com> September 2006
rsip          4555/tcp  RSIP Port
rsip          4555/udp  RSIP Port
#              RFC 3103
dtm-bundle-tcp 4556/tcp  DTN Bundle TCP CL Protocol
dtm-bundle-udp 4556/udp  DTN Bundle UDP CL Protocol
#              Michael Demmer <demmer@cs.berkeley.edu> November 2006
#              4557-4558 Unassigned
hylafax       4559/tcp  HylaFAX
hylafax       4559/udp  HylaFAX
#              Lee Howard <iana@hylafax.org> March 2002
#              4560-4565 Unassigned
kwtc          4566/tcp  Kids Watch Time Control Service

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kwtc      4566/udp  Kids Watch Time Control Service
#          Larry Zarou <zarla01@cbsits.com> October 2006
tram      4567/tcp   TRAM
tram      4567/udp   TRAM
#          Joe Wesley <joe.wesley@east.sun.com>
bmc-reporting 4568/tcp   BMC Reporting
bmc-reporting 4568/udp   BMC Reporting
#          Portnoy Boxman <portnoy_boxman@bmc.com>
iax       4569/tcp   Inter-Asterisk eXchange
iax       4569/udp   Inter-Asterisk eXchange
#          Mark Spencer <markster@digium.com> November 2004
#          4570-4596 Unassigned
a21-an-1xbs 4597/tcp   A21 (AN-1xBS)
a21-an-1xbs 4597/udp   A21 (AN-1xBS)
#          David Ott <dott@qualcomm.com> February 2006
a16-an-an  4598/tcp   A16 (AN-AN)
a16-an-an  4598/udp   A16 (AN-AN)
#          David Ott <dott@qualcomm.com> December 2005
a17-an-an  4599/tcp   A17 (AN-AN)
a17-an-an  4599/udp   A17 (AN-AN)
#          David Ott <dott@qualcomm.com> February 2006
piranha1  4600/tcp   Piranha1
piranha1  4600/udp   Piranha1
piranha2  4601/tcp   Piranha2
piranha2  4601/udp   Piranha2
#          Primark Corporation <joe.boone@primark.com>
#          4602-4657 Unassigned
playsta2-app 4658/tcp   PlayStation2 App Port
playsta2-app 4658/udp   PlayStation2 App Port
playsta2-lob 4659/tcp   PlayStation2 Lobby Port
playsta2-lob 4659/udp   PlayStation2 Lobby Port
#          Noam Rimon <noam.rimon@playstation.sony.com>
December 2004
smaclmgr  4660/tcp   smaclmgr
smaclmgr  4660/udp   smaclmgr
#          Hiromi Taki <stg-togo@saint.nm.fujitsu.co.jp>
kar2ouche 4661/tcp   Kar2ouche Peer location service
kar2ouche 4661/udp   Kar2ouche Peer location service
#          Andy Krouwel <andy@kar2ouche.com>
oms        4662/tcp   OrbitNet Message Service
oms        4662/udp   OrbitNet Message Service
#          Roy Davies <rdavies@daq.net> August 2005
noteit    4663/tcp   Note It! Message Service
noteit    4663/udp   Note It! Message Service
#          Pedro Alpedrinha <pedro.alpedrinha@redevirtual.com>
February 2006
ems        4664/tcp   Rimage Messaging Server
ems        4664/udp   Rimage Messaging Server
#          David V. Raskin <draskin@rimage.com> February 2006
contclientms 4665/tcp   Container Client Message Service
contclientms 4665/udp   Container Client Message Service
#          Bruce Thompson <brucet@actioninformationsystems.com>
February 2006
eportcomm 4666/tcp   E-Port Message Service
eportcomm 4666/udp   E-Port Message Service
mmacomm   4667/tcp   MMA Comm Services
mmacomm   4667/udp   MMA Comm Services

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mmaeds          4668/tcp    MMA EDS Service
mmaeds          4668/udp    MMA EDS Service
#              Robert Shaffer <bob.shaffer@micmod.com> February 2006
eportcommdata  4669/tcp    E-Port Data Service
eportcommdata  4669/udp    E-Port Data Service
#              Robert Shaffer <bob.shaffer@micmod.com> February 2006
light          4670/tcp    Light packets transfer protocol
light          4670/udp    Light packets transfer protocol
#              Adam Golovenko <golovenko@gmail.com> October 2006
acter          4671/tcp    Bull RSF action server
acter          4671/udp    Bull RSF action server
#              Christian Caudrelier <Christian.Caudrelier@%bull.net>
February 2006
rfa            4672/tcp    remote file access server
rfa            4672/udp    remote file access server
#              No contact Listed
cxws          4673/tcp    CXWS Operations
cxws          4673/udp    CXWS Operations
#              Phil Abercrombie <phil.abercrombie@appiq.com> August
2005
appiq-mgmt     4674/tcp    AppIQ Agent Management
appiq-mgmt     4674/udp    AppIQ Agent Management
#              Phil Abercrombie <phil.abercrombie@appiq.com> August
2005
dhct-status    4675/tcp    BIAP Device Status
dhct-status    4675/udp    BIAP Device Status
dhct-alerts    4676/tcp    BIAP Generic Alert
dhct-alerts    4676/udp    BIAP Generic Alert
#              Louis Slothouber <lpslot@biap.com> August 2005
bcs            4677/tcp    Business Continuity Servi
bcs            4677/udp    Business Continuity Servi
#              Siew Sim <ssim@asempra.com> August 2005
traversal      4678/tcp    boundary traversal
traversal      4678/udp    boundary traversal
#              Kevin Lu <kevinlu@micromethod.com> August 2005
mgesupervision 4679/tcp    MGE UPS Supervision
mgesupervision 4679/udp    MGE UPS Supervision
mgemanagement  4680/tcp    MGE UPS Management
mgemanagement  4680/udp    MGE UPS Management
#              Lecuire J <software.team@mgeups.com> August 2005
parliant       4681/tcp    Parliant Telephony System
parliant       4681/udp    Parliant Telephony System
#              Colin Henein <iana@cmh.parliant.com> August 2005
finisar        4682/tcp    finisar
finisar        4682/udp    finisar
#              Christina Mercier <christina.mercier@finisar.com>
August 2005
spike          4683/tcp    Spike Clipboard Service
spike          4683/udp    Spike Clipboard Service
#              Scott Herscher <scott@porchdogsoft.com> August 2005
rfid-rp1       4684/tcp    RFID Reader Protocol 1.0
rfid-rp1       4684/udp    RFID Reader Protocol 1.0
#              Michael Mealling <michael@refactored-networks.com>
August 2005
autopac        4685/tcp    Autopac Protocol
autopac        4685/udp    Autopac Protocol

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# Peter Hallenbeck
<pete@consumertechnologiesgroup.com> August 2005
msp-os 4686/tcp Manina Service Protocol
msp-os 4686/udp Manina Service Protocol
# Markus Nix <mnix@docuverse.de> August 2005
nst 4687/tcp Network Scanner Tool FTP
nst 4687/udp Network Scanner Tool FTP
# Mala Bhat <bmala@ssdi.sharp.co.in> August 2005
mobile-p2p 4688/tcp Mobile P2P Service
mobile-p2p 4688/udp Mobile P2P Service
# Hanz H%ger <Hanz.Hager@sonyericsson.com> August 2005
altovacentral 4689/tcp Altova DatabaseCentral
altovacentral 4689/udp Altova DatabaseCentral
# Altova <has@altova.com> August 2005
prelude 4690/tcp Prelude IDS message proto
prelude 4690/udp Prelude IDS message proto
# Yoann Vandoorselaere <yoann@prelude-ids.org> August
2005
monotone 4691/tcp Monotone Network Protocol
monotone 4691/udp Monotone Network Protocol
# Tomas Fasth <tomfa@debian.org> August 2005
conspiracy 4692/tcp Conspiracy messaging
conspiracy 4692/udp Conspiracy messaging
# Jens Edlund <edlund@speech.kth.se> August 2005
# 4693-4699 Unassigned
netxms-agent 4700/tcp NetXMS Agent
netxms-agent 4700/udp NetXMS Agent
netxms-mgmt 4701/tcp NetXMS Management
netxms-mgmt 4701/udp NetXMS Management
netxms-sync 4702/tcp NetXMS Server Synchronization
netxms-sync 4702/udp NetXMS Server Synchronization
# Victor Kirhenshtein <victor@opticom.lv> July 2006
# 4703-4727 Unassigned
capmux 4728/tcp CA Port Multiplexer
capmux 4728/udp CA Port Multiplexer
# Nigel Groves <nigel.groves@ca.com> June 2006
# 4729-4736 Unassigned
ipdr-sp 4737/tcp IPDR/SP
ipdr-sp 4737/udp IPDR/SP
# Ken Sarno <kensarno@insightbb.com> August 2005
solera-lpn 4738/tcp SoleraTec Locator
solera-lpn 4738/udp SoleraTec Locator
# Mark Armstrong <Mark.Armstrong@SoleraTec.com>
December 2005
ipfix 4739/tcp IP Flow Info Export
ipfix 4739/udp IP Flow Info Export
# Nevil Brownlee <n.brownlee@auckland.ac.nz> August
2005
ipfix 4739/sctp IP Flow Info Export
# Nevil Brownlee <n.brownlee@auckland.ac.nz> January 2006
ipfixs 4740/tcp ipfix protocol over TLS
ipfixs 4740/sctp ipfix protocol over DTLS
ipfixs 4740/udp ipfix protocol over DTLS
# Nevil Brownlee <n.brownlee@auckland.ac.nz> October 2006
# 4741 Unassigned
sicct 4742/tcp SICCT
sicct-sdp 4742/udp SICCT Service Discovery Protocol

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#           TeleTrust Deutschland e.V. <info@teletrust.de> April 2006
openhpid   4743/tcp   openhpi HPI service
openhpid   4743/udp   openhpi HPI service
#           Thomas Kanngieser <thomas.kanngieser@arcor.de> January 2006
#           4744           Unassigned
fmp        4745/tcp   Funambol Mobile Push
fmp        4745/udp   Funambol Mobile Push
#           Andrea Gazzaniga <gazzaniga@funambol.com> January 2007
#           4746-4748   Unassigned
profilemac 4749/tcp   Profile for Mac
profilemac 4749/udp   Profile for Mac
#           David Sinclair <dev@profilemac.com> May 2006
ssad       4750/tcp   Simple Service Auto Discovery
ssad       4750/udp   Simple Service Auto Discovery
#           Dr Horst Herb <horst@dorrigomedical.com> December
2005
spocp      4751/tcp   Simple Policy Control Protocol
spocp      4751/udp   Simple Policy Control Protocol
#           Roland Hedberg <roland@catalogix.se> August 2005
snap       4752/tcp   Simple Network Audio Protocol
snap       4752/udp   Simple Network Audio Protocol
#           Dameon Wagner <d.wagner@freemail.absa.co.za>
February 2002
#           4753-4783   Unassigned
bfd-multi-ctl 4784/tcp   BFD Multihop Control
bfd-multi-ctl 4784/udp   BFD Multihop Control
#           Dave Katz <dkatz@juniper.net>; Dave Ward <dward@cisco.com>
February 2006
#           4785-4799   Unassigned
iims       4800/tcp   Icona Instant Messaging System
iims       4800/udp   Icona Instant Messaging System
iwec       4801/tcp   Icona Web Embedded Chat
iwec       4801/udp   Icona Web Embedded Chat
ilss       4802/tcp   Icona License System Server
ilss       4802/udp   Icona License System Server
#           Paul Stephen Borlie <paul@icona.it>
#           4803-4826   Unassigned
htcp       4827/tcp   HTCP
htcp       4827/udp   HTCP
#           Paul Vixie <paul@vix.com>
#           4828-4836   Unassigned
varadero-0 4837/tcp   Varadero-0
varadero-0 4837/udp   Varadero-0
varadero-1 4838/tcp   Varadero-1
varadero-1 4838/udp   Varadero-1
varadero-2 4839/tcp   Varadero-2
varadero-2 4839/udp   Varadero-2
#           Carlos Arteaga <carteaga@abacoinc.com>
opcua-tcp  4840/tcp   OPC UA TCP Protocol
opcua-udp  4840/udp   OPC UA TCP Protocol
#           Randy Armstrong <randy.armstrong@opcfoundation.org>
September 2006
quosa      4841/tcp   QUOSA Virtual Library Service
quosa      4841/udp   QUOSA Virtual Library Service
#           Uri Blank <uri@quosa.com> September 2006
gw-asv     4842/tcp   nCode ICE-flow Library AppServer
gw-asv     4842/udp   nCode ICE-flow Library AppServer

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#           Ross Swithenbank <iana@ncode.co.uk> September 2006
opcua-tls  4843/tcp   OPC UA TCP Protocol over TLS/SSL
opcua-tls  4843/udp   OPC UA TCP Protocol over TLS/SSL
#           Randy Armstrong <randy.armstrong@opcfoundation.org>
September 2006
gw-log     4844/tcp   nCode ICE-flow Library LogServer
gw-log     4844/udp   nCode ICE-flow Library LogServer
#           Ross Swithenbank <iana@ncode.co.uk> September 2006
#           4845-4847 Unassigned
appserv-http  4848/tcp   App Server - Admin HTTP
appserv-http  4848/udp   App Server - Admin HTTP
appserv-https 4849/tcp   App Server - Admin HTTPS
appserv-https 4849/udp   App Server - Admin HTTPS
#           Sreeram Duvvuru <sduv@sfbay.sun.com> April 2002
sun-as-nodeagt 4850/tcp   Sun App Server - NA
sun-as-nodeagt 4850/udp   Sun App Server - NA
#           Kedar Mhaswade <kedar.Mhaswade@sun.com> November
2004
#           4851-4866 Unassigned
unify-debug  4867/tcp   Unify Debugger
unify-debug  4867/udp   Unify Debugger
#           Ron Kuris <rk@unify.com> May 2006
phrelay     4868/tcp   Photon Relay
phrelay     4868/udp   Photon Relay
phrelaydbg  4869/tcp   Photon Relay Debug
phrelaydbg  4869/udp   Photon Relay Debug
#           Michael Hunter <mphunter@qnx.com>
cc-tracking  4870/tcp   Citcom Tracking Service
cc-tracking  4870/udp   Citcom Tracking Service
#           Wolfgang Weidner <ww@citcom.de> December 2005
wired       4871/tcp   Wired
wired       4871/udp   Wired
#           Axel Andersson <axel@zankasoftware.com> February 2006
#           4872-4884 Unassigned
abbs        4885/tcp   ABBS
abbs        4885/udp   ABBS
#           Ryan Rubley <root@ark.dyn.ml.org>
#           4886-4893 Unassigned
lyskom     4894/tcp   LysKOM Protocol A
lyskom     4894/udp   LysKOM Protocol A
#           Per Cederqvist <ceder@lysator.liu.se>
#           4895-4898 Unassigned
radmin-port 4899/tcp   RAdmin Port
radmin-port 4899/udp   RAdmin Port
#           Dmitri Znosko <support@radmin.com> March 2003
hfcs       4900/tcp   Hyper File Client/Server Database Engine
hfcs       4900/udp   Hyper File Client/Server Database Engine
#           Jerome AERTS <jae@pcsoft.fr> March 2006
#           4901-4948 Unassigned
munin      4949/tcp   Munin Graphing Framework
munin      4949/udp   Munin Graphing Framework
#           Jimmy Olsen <jo@linpro.no> August 2005
#           4950 Unassigned
pwgwims    4951/tcp   PWG WIMS
pwgwims    4951/udp   PWG WIMS
#           Ira McDonald <imcdonald@sharplabs.com> December 2005
sagxtsds   4952/tcp   SAG Directory Server

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sagxtsds      4952/udp    SAG Directory Server
#             Michael Chirila <Michael.Chirila@softwareag.com> January
2006
#             4953-4968 Unassigned
ccss-qmm      4969/tcp    CCSS QMessageMonitor
ccss-qmm      4969/udp    CCSS QMessageMonitor
ccss-qsm      4970/tcp    CCSS QSystemMonitor
ccss-qsm      4970/udp    CCSS QSystemMonitor
#             David Young <david.young@ccsseurope.co.uk> January 2006
#             4971-4982 Unassigned
#             4983      Unassigned (Removed on 2005-12-22)
#             4984-4985 Unassigned
mrip          4986/tcp    Model Railway Interface Program
mrip          4986/udp    Model Railway Interface Program
#             Howard Amos <amos@ccww.co.uk> April 2006
smar-se-port1 4987/tcp    SMAR Ethernet Port 1
smar-se-port1 4987/udp    SMAR Ethernet Port 1
smar-se-port2 4988/tcp    SMAR Ethernet Port 2
smar-se-port2 4988/udp    SMAR Ethernet Port 2
#             Delcio Prizon <dprizon@smar.com.br>
parallel      4989/tcp    Parallel for GAUSS (tm)
parallel      4989/udp    Parallel for GAUSS (tm)
#             Matthew Ford <Matthew.Ford@forward.com.au> March
2003
#             4990-4998 Unassigned
hfcs-manager  4999/tcp    Hyper File Client/Server Database Engine Manager
hfcs-manager  4999/udp    Hyper File Client/Server Database Engine Manager
#             Jerome AERTS <jae@pcsoft.fr> March 2006
complex-main  5000/tcp
complex-main  5000/udp
complex-link  5001/tcp
complex-link  5001/udp
rfe           5002/tcp    radio free ethernet
rfe           5002/udp    radio free ethernet
fmpro-internal 5003/tcp    FileMaker, Inc. - Proprietary transport
fmpro-internal 5003/udp    FileMaker, Inc. - Proprietary name binding
#             Clay Maeckel <clay_maeckel@filemaker.com>
avt-profile-1 5004/tcp    avt-profile-1
avt-profile-1 5004/udp    avt-profile-1
avt-profile-2 5005/tcp    avt-profile-2
avt-profile-2 5005/udp    avt-profile-2
#             Henning Schulzrinne <schulzrinne@fokus.gmd.de>
wsm-server    5006/tcp    wsm server
wsm-server    5006/udp    wsm server
wsm-server-ssl 5007/tcp    wsm server ssl
wsm-server-ssl 5007/udp    wsm server ssl
#             Adam Berk <aberk@empirix.com>
synapsis-edge 5008/tcp    Synapsis EDGE
synapsis-edge 5008/udp    Synapsis EDGE
#             Paul Schilling <PaulS@Synapsis.com>
winfs         5009/tcp    Microsoft Windows Filesystem
winfs         5009/udp    Microsoft Windows Filesystem
#             Simon Skaria <simonsk@microsoft.com> January 2006
telepathstart 5010/tcp    TelepathStart
telepathstart 5010/udp    TelepathStart
telepathattack 5011/tcp    TelepathAttack
telepathattack 5011/udp    TelepathAttack

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#           Helmuth Breitenfellner <hbreitenf@vnet.imb.com>
#           5012-5019 Unassigned
zenginkyo-1 5020/tcp zenginkyo-1
zenginkyo-1 5020/udp zenginkyo-1
zenginkyo-2 5021/tcp zenginkyo-2
zenginkyo-2 5021/udp zenginkyo-2
#           Masashi Suzaki <susakim@noa.nttdata.jp>
mice        5022/tcp mice server
mice        5022/udp mice server
#           Alan Clifford <alan@clifford.ac>
htuilsrv    5023/tcp Htuil Server for PLD2
htuilsrv    5023/udp Htuil Server for PLD2
#           Dennis Reinhardt <DennisR@dair.com>
scpi-telnet 5024/tcp SCPI-TELNET
scpi-telnet 5024/udp SCPI-TELNET
scpi-raw    5025/tcp SCPI-RAW
scpi-raw    5025/udp SCPI-RAW
#           Ryan Columbus <IANA_Contact@Agilent.com> October
2002
strexec-d   5026/tcp Storix I/O daemon (data)
strexec-d   5026/udp Storix I/O daemon (data)
strexec-s   5027/tcp Storix I/O daemon (stat)
strexec-s   5027/udp Storix I/O daemon (stat)
#           Anthony Johnson <stxadmin@storix.com> August 2005
#           5028-5029 Unassigned
surfpass    5030/tcp SurfPass
surfpass    5030/udp SurfPass
#           Olivier Guezenec <olivier.guezenec@cogilab.com> December
2006
#           5031-5041 Unassigned
asnaacceler8db 5042/tcp asnaacceler8db
asnaacceler8db 5042/udp asnaacceler8db
#           Walter Goodwin <wpgoodwin@asna.com>
swxadmin     5043/tcp ShopWorX Administration
swxadmin     5043/udp ShopWorX Administration
#           Don W. Fitzpatrick <dwf@InterNetworXsystems.com>
August 2005
lxi-evntsvc 5044/tcp LXI Event Service
lxi-evntsvc 5044/udp LXI Event Service
#           Nick Barendt <nbarendt@vxitech.com> August 2005
#           5045-5048 Unassigned
ivocalize   5049/tcp iVocalize Web Conference
ivocalize   5049/udp iVocalize Web Conference
#           Bryan Vergato <iana@ivocalize.com> May 2006
mmcc        5050/tcp multimedia conference control tool
mmcc        5050/udp multimedia conference control tool
#           Steve Casner <Casner@isi.edu>
ita-agent   5051/tcp ITA Agent
ita-agent   5051/udp ITA Agent
ita-manager 5052/tcp ITA Manager
ita-manager 5052/udp ITA Manager
#           Don Merrell <donmer@axent.com>
#           5053-5054 Unassigned
unot        5055/tcp UNOT
unot        5055/udp UNOT
#           Gordon Mohr <gmohr@cmgisolutions.com>
intecom-ps1 5056/tcp Intecom Pointspan 1

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intecom-ps1      5056/udp      Intecom Pointspan 1
intecom-ps2      5057/tcp      Intecom Pointspan 2
intecom-ps2      5057/udp      Intecom Pointspan 2
#                David Meermans <david.meermans@aastra.com>
#                5058          Unassigned
sds              5059/tcp      SIP Directory Services
sds              5059/udp      SIP Directory Services
#                Arthur Wilton <art@awilton.com> March 2006
sip              5060/tcp      SIP
sip              5060/udp      SIP
sip-tls          5061/tcp      SIP-TLS
sip-tls          5061/udp      SIP-TLS
#                Henning Schulzrinne <hgs@cs.columbia.edu>
#                5062-5063    Unassigned
ca-1             5064/tcp      Channel Access 1
ca-1             5064/udp      Channel Access 1
ca-2             5065/tcp      Channel Access 2
ca-2             5065/udp      Channel Access 2
#                Jeffrey Hill <johill@lanl.gov> August 2002
stanag-5066      5066/tcp      STANAG-5066-SUBNET-INTF
stanag-5066      5066/udp      STANAG-5066-SUBNET-INTF
#                Donald G. Kallgren
#                <Donald.Kallgren@nc3a.nato.int>
authentx         5067/tcp      Authentx Service
authentx         5067/udp      Authentx Service
#                Alberto Fernandez <afernandez@xtec.com> January 2006
#                5068          Unassigned
i-net-2000-npr   5069/tcp      I/Net 2000-NPR
i-net-2000-npr   5069/udp      I/Net 2000-NPR
#                Chris Megede <chris.megede@tac.com>
vtsas           5070/tcp      VersaTrans Server Agent Service
vtsas           5070/udp      VersaTrans Server Agent Service
#                Christopher Miller <Chris.Miller@versatrans.com> February
2006
powerschool      5071/tcp      PowerSchool
powerschool      5071/udp      PowerSchool
#                Greg Porter <gporter@powerschool.com>
ayiya            5072/tcp      Anything In Anything
ayiya            5072/udp      Anything In Anything
#                Jeroen Massar <jeroen@unfix.org> August 2005
tag-pm           5073/tcp      Advantage Group Port Mgr
tag-pm           5073/udp      Advantage Group Port Mgr
#                James Goddard <jamesg@taglim.com> August 2005
alesquery        5074/tcp      ALES Query
alesquery        5074/udp      ALES Query
#                Tim Maloney <tim.maloney@allianceconsultingllc.com>
August 2005
#                5075-5080    Unassigned
sdl-ets          5081/tcp      SDL - Ent Trans Server
sdl-ets          5081/udp      SDL - Ent Trans Server
#                Marc Morin <mmorin@sdlintl.com> April 2002
#                5082-5083    Unassigned
llrp             5084/tcp      EPCglobal Low-Level Reader Protocol
llrp             5084/udp      EPCglobal Low-Level Reader Protocol
encrypted-llrp   5085/tcp      EPCglobal Encrypted LLRP
encrypted-llrp   5085/udp      EPCglobal Encrypted LLRP
#                Margaret Wasserman <margaret@thingmagic.com> November 2006

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#           5086-5089  Unassigned
car         5090/sctp  Candidate AR
cxtcp      5091/sctp  Context Transfer Protocol
#           RFC 4065 - July 2005
#           5092     Unassigned
sentinel-lm 5093/tcp    Sentinel LM
sentinel-lm 5093/udp    Sentinel LM
#           Derick Snyder <dsnyder@rainbow.com>
#           5094-5098 Unassigned
sentlm-srv2srv 5099/tcp    SentLM Srv2Srv
sentlm-srv2srv 5099/udp    SentLM Srv2Srv
#           Derick Snyder <dsnyder@rainbow.com>
socialia     5100/tcp    Socialia service mux
socialia     5100/udp    Socialia service mux
#           Alberto Raydan <raydan_a@socalia.com> August 2005
talarian-tcp 5101/tcp    Talarian_TCP
talarian-udp 5101/udp    Talarian_UDP
#           Leo Martins <leo@talarian.com>
oms-nonsecure 5102/tcp    Oracle OMS non-secure
oms-nonsecure 5102/udp    Oracle OMS non-secure
#           Todd Guay <todd.guay@oracle.com> August 2005
#           5103-5111 Unassigned
pm-cmdsvr    5112/tcp    PeerMe Msg Cmd Service
pm-cmdsvr    5112/udp    PeerMe Msg Cmd Service
#           Marcos Della <mdella@peerme.com> August 2005
#           5113-5132 Unassigned
nbt-pc       5133/tcp    Policy Commander
nbt-pc       5133/udp    Policy Commander
#           Emily Harris <eharris@newboundary.com> November 2004
#           5134-5136 Unassigned
ctsd         5137/tcp    MyCTS server port
ctsd         5137/udp    MyCTS server port
#           Jilles Oldenbeuving <ojilles@hotmail.com> June 2002
#           5138-5144 Unassigned
rmonitor_secure 5145/tcp    RMONITOR SECURE
rmonitor_secure 5145/udp    RMONITOR SECURE
#           Kory Hamzeh <kory@ascend.com>
#           5146-5149 Unassigned
atmp         5150/tcp    Ascend Tunnel Management Protocol
atmp         5150/udp    Ascend Tunnel Management Protocol
#           Kory Hamzeh <kory@ascend.com>
esri_sde     5151/tcp    ESRI SDE Instance
esri_sde     5151/udp    ESRI SDE Remote Start
sde-discovery 5152/tcp    ESRI SDE Instance Discovery
sde-discovery 5152/udp    ESRI SDE Instance Discovery
#           Peter Aronson <paronson@esri.com>
#           5153     Unassigned
bzflag       5154/tcp    BZFlag game server
bzflag       5154/udp    BZFlag game server
#           Tim Riker <tim@rikers.org> July 2003
asctrl-agent 5155/tcp    Oracle asControl Agent
asctrl-agent 5155/udp    Oracle asControl Agent
#           Todd Guay <todd.guay@oracle.com> August 2005
#           5156-5164 Unassigned
ife_icorp    5165/tcp    ife_lcorp
ife_icorp    5165/udp    ife_lcorp
#           Paul Annala <paa@bull.se>

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winpcs          5166/tcp    WinPCS Service Connection
winpcs          5166/udp    WinPCS Service Connection
#              Complan Network AS <knut@winpcs.com> February 2006
scte104        5167/tcp    SCTE104 Connection
scte104        5167/udp    SCTE104 Connection
scte30         5168/tcp    SCTE30 Connection
scte30         5168/udp    SCTE30 Connection
#              Thomas Russell <trussell@scte.org> May 2005
#              5169-5189 Unassigned
aol            5190/tcp    America-Online
aol            5190/udp    America-Online
#              Marty Lyons <marty@aol.com>
aol-1          5191/tcp    AmericaOnline1
aol-1          5191/udp    AmericaOnline1
aol-2          5192/tcp    AmericaOnline2
aol-2          5192/udp    AmericaOnline2
aol-3          5193/tcp    AmericaOnline3
aol-3          5193/udp    AmericaOnline3
#              Bruce Mackey <BAMackey@aol.com>
#              5194-5199 Unassigned
targus-getdata 5200/tcp    TARGUS GetData
targus-getdata 5200/udp    TARGUS GetData
targus-getdata1 5201/tcp    TARGUS GetData 1
targus-getdata1 5201/udp    TARGUS GetData 1
targus-getdata2 5202/tcp    TARGUS GetData 2
targus-getdata2 5202/udp    TARGUS GetData 2
targus-getdata3 5203/tcp    TARGUS GetData 3
targus-getdata3 5203/udp    TARGUS GetData 3
#              John Keaveney <johnkeaveney@targusinfo.com>
#              5204-5221 Unassigned
xmpp-client    5222/tcp    XMPP Client Connection
xmpp-client    5222/udp    XMPP Client Connection
#              [RFC3920]
#              5223-5224 Unassigned
hp-server      5225/tcp    HP Server
hp-server      5225/udp    HP Server
hp-status      5226/tcp    HP Status
hp-status      5226/udp    HP Status
#              Brett Green <Brett_Green@HP.Com>
#              5227-5233 Unassigned
eenet          5234/tcp    EEnet communications
eenet          5234/udp    EEnet communications
#              Helmut Giritzer <helmut.giritzer@epluse.at> November
2005
#              5235 Unassigned
padl2sim       5236/tcp
padl2sim       5236/udp
#              5237-5249 Unassigned
soagateway     5250/tcp    soaGateway
soagateway     5250/udp    soaGateway
#              Greg Bodine <gregory.bodine@ca.com> February 2002
caevms         5251/tcp    CA eTrust VM Service
caevms         5251/udp    CA eTrust VM Service
#              Kevin Bond <kevin.bond@ca.com> November 2004
movaz-ssc      5252/tcp    Movaz SSC
movaz-ssc      5252/udp    Movaz SSC
#              Lou Berger <lberger@movaz.com> November 2004

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#           5253-5263  Unassigned
3com-njack-1 5264/tcp  3Com Network Jack Port 1
3com-njack-1 5264/udp  3Com Network Jack Port 1
3com-njack-2 5265/tcp  3Com Network Jack Port 2
3com-njack-2 5265/udp  3Com Network Jack Port 2
#           Abhay Rajaram <Abhay_Rajaram@3Com.com> March 2003
#           5266-5268  Unassigned
xmpp-server  5269/tcp  XMPP Server Connection
xmpp-server  5269/udp  XMPP Server Connection
#           [RFC3920]
#           5270-5271  Unassigned
pk           5272/tcp  PK
pk           5272/udp  PK
#           Patrick Kara <Patrick@EBA.NET>
#           5273-5281  Unassigned
transmit-port 5282/tcp  Marimba Transmitter Port
transmit-port 5282/udp  Marimba Transmitter Port
#           Johan Eriksson <johan@marimba.com> April 2002
#           5283-5299  Unassigned
hacl-hb      5300/tcp  HA cluster heartbeat
hacl-hb      5300/udp  HA cluster heartbeat
hacl-gs      5301/tcp  HA cluster general services
hacl-gs      5301/udp  HA cluster general services
hacl-cfg     5302/tcp  HA cluster configuration
hacl-cfg     5302/udp  HA cluster configuration
hacl-probe   5303/tcp  HA cluster probing
hacl-probe   5303/udp  HA cluster probing
hacl-local   5304/tcp  HA Cluster Commands
hacl-local   5304/udp  HA Cluster Commands
hacl-test    5305/tcp  HA Cluster Test
hacl-test    5305/udp  HA Cluster Test
#           Eric Soderberg <seric@hposl102.cup.hp>
#           Edward Yim <eyim@hpmfas4.cup.hp.com>
sun-mc-grp   5306/tcp  Sun MC Group
sun-mc-grp   5306/udp  Sun MC Group
#           Michael DeMoney <demoney@eng.sun.com>
sco-aip      5307/tcp  SCO AIP
sco-aip      5307/udp  SCO AIP
#           Barrie Cooper <barrie@sco.com>
cfengine     5308/tcp  CFEngine
cfengine     5308/udp  CFEngine
#           Mark Burgess <mark.burgess@iu.hioslo.no>
jprinter     5309/tcp  J Printer
jprinter     5309/udp  J Printer
#           Ken Blackwell <kenb@bristol.com>
outlaws      5310/tcp  Outlaws
outlaws      5310/udp  Outlaws
#           Richard Fife <richardf@lucasarts.com>
#           5311      Unassigned (removed 7 May 2004)
permabit-cs  5312/tcp  Permabit Client-Server
permabit-cs  5312/udp  Permabit Client-Server
#           Jered Floyd <jered@permabit.com>, June 2004
rrdp         5313/tcp  Real-time & Reliable Data
rrdp         5313/udp  Real-time & Reliable Data
#           Ted Hoshi <tetsuo.hoshi@jp.yokogawa.com>, June 2004
opalis-rbt-ipc 5314/tcp  opalis-rbt-ipc
opalis-rbt-ipc 5314/udp  opalis-rbt-ipc

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#                               Laurent Domenech <ldomenech@opalis.com>
hacl-poll      5315/tcp    HA Cluster UDP Polling
hacl-poll      5315/udp    HA Cluster UDP Polling
#                               Hoa Nguyen <hoan@cup.hp.com>
#                               5316-5342 Unassigned
kfserver      5343/tcp    Sculptor Database Server
kfserver      5343/udp    Sculptor Database Server
#                               Keith Ashman <sciana@sculptor.co.uk> December 2005
xkotodrcp     5344/tcp    xkoto DRCP
xkotodrcp     5344/udp    xkoto DRCP
#                               Jeff Heisz <jeff.heisz@xkoto.com> February 2006
#                               5345-5350 Unassigned
nat-pmp       5351/tcp    NAT Port Mapping Protocol
nat-pmp       5351/udp    NAT Port Mapping Protocol
#                               Joshua Graessley <jgraessley@apple.com> December
2004
dns-llq       5352/tcp    DNS Long-Lived Queries
dns-llq       5352/udp    DNS Long-Lived Queries
#                               Kiren Sekar <kiren@apple.com> August 2005
mdns          5353/tcp    Multicast DNS
mdns          5353/udp    Multicast DNS
#                               Stuart Cheshire <cheshire@multicastdns.org>
mdnsresponder 5354/tcp    Multicast DNS Responder IPC
mdnsresponder 5354/udp    Multicast DNS Responder IPC
#                               Stuart Cheshire <mdnsresponder-ipc@multicastdns.org>
June 2004
llmnr         5355/tcp    LLMNR
llmnr         5355/udp    LLMNR
#                               Bernard Aboba <bernarda@microsoft.com> June 2004
ms-smlbiz     5356/tcp    Microsoft Small Business
ms-smlbiz     5356/udp    Microsoft Small Business
#                               Gopikrishna Sandra <v-gosand@microsoft.com> February
2005
wsdapi        5357/tcp    Web Services for Devices
wsdapi        5357/udp    Web Services for Devices
wsdapi-s      5358/tcp    WS for Devices Secured
wsdapi-s      5358/udp    WS for Devices Secured
#                               Henry Rawas <henryr@microsoft.com> August 2005
#                               5359-5396 Unassigned
stresstester  5397/tcp    StressTester(tm) Injector
stresstester  5397/udp    StressTester(tm) Injector
#                               Graham Parsons <graham.parsons@reflective.com>
August 2005
elektron-admin 5398/tcp    Elektron Administration
elektron-admin 5398/udp    Elektron Administration
#                               Chris Hawk <chris@corriente.net> August 2005
securitychase 5399/tcp    SecurityChase
securitychase 5399/udp    SecurityChase
#                               Daisuke Shinomiya <shinomiya.daisu@jp.fujitsu.com>
August 2005
excerpt       5400/tcp    Excerpt Search
excerpt       5400/udp    Excerpt Search
excerpts      5401/tcp    Excerpt Search Secure
excerpts      5401/udp    Excerpt Search Secure
#                               John Hinsdale <hin@alma.com>
mftp          5402/tcp    OmniCast MFTP
mftp          5402/udp    OmniCast MFTP

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#           Steve Bannister <sbannister@stratacache.com>
hpoms-ci-lstn  5403/tcp  HPOMS-CI-LSTN
hpoms-ci-lstn  5403/udp  HPOMS-CI-LSTN
hpoms-dps-lstn 5404/tcp  HPOMS-DPS-LSTN
hpoms-dps-lstn 5404/udp  HPOMS-DPS-LSTN
#           Harold Froehling <hrf@cup.hp.com>
netsupport 5405/tcp  NetSupport
netsupport 5405/udp  NetSupport
#           Paul Sanders <pe77@dial.pipex.com>
systemics-sox 5406/tcp  Systemics Sox
systemics-sox 5406/udp  Systemics Sox
#           Gary Howland <gary@systemics.com>
foresyte-clear 5407/tcp  Foresyte-Clear
foresyte-clear 5407/udp  Foresyte-Clear
foresyte-sec   5408/tcp  Foresyte-Sec
foresyte-sec   5408/udp  Foresyte-Sec
#           Jorge Aldana <operator@foresyte.com>
salient-dtasrv 5409/tcp  Salient Data Server
salient-dtasrv 5409/udp  Salient Data Server
salient-usrmgr 5410/tcp  Salient User Manager
salient-usrmgr 5410/udp  Salient User Manager
#           Richard Farnham <rfarnham@salient.com>
actnet         5411/tcp  ActNet
actnet         5411/udp  ActNet
#           Simon Robillard <RobillardS@actresearch.com>
continuus     5412/tcp  Continuus
continuus     5412/udp  Continuus
#           Steven Holtsberg <steveh@continuus.com>
wwiotalk     5413/tcp  WWIOTALK
wwiotalk     5413/udp  WWIOTALK
#           Roger Knobbe <RogerK@Wonderware.COM>
statusd      5414/tcp  StatusD
statusd      5414/udp  StatusD
#           Stephen Misel <steve@satelnet.org>
ns-server    5415/tcp  NS Server
ns-server    5415/udp  NS Server
#           Jeffrey Chiao <chiaoj@netsoft.com>
sns-gateway   5416/tcp  SNS Gateway
sns-gateway   5416/udp  SNS Gateway
sns-agent    5417/tcp  SNS Agent
sns-agent    5417/udp  SNS Agent
#           Mary Holstage <holstege@firstfloor.com>
mcntp        5418/tcp  MCNTP
mcntp        5418/udp  MCNTP
#           Heiko Rupp <hwr@pilhuhn.de>
dj-ice       5419/tcp  DJ-ICE
dj-ice       5419/udp  DJ-ICE
#           Don Tyson <don.tyson@cor.dowjones.com>
cylink-c     5420/tcp  Cylink-C
cylink-c     5420/udp  Cylink-C
#           John Jobe <jjobe@cylink.com>
netsupport2 5421/tcp  Net Support 2
netsupport2 5421/udp  Net Support 2
#           Paul Sanders <p.sanders@dial.pipex.com>
salient-mux  5422/tcp  Salient MUX
salient-mux  5422/udp  Salient MUX
#           Richard Farnham <rfarnham@salient.com>

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virtualuser	5423/tcp	VIRTUALUSER
virtualuser	5423/udp	VIRTUALUSER
#		Chad Williams <chad@apple.com>
beyond-remote	5424/tcp	Beyond Remote
beyond-remote	5424/udp	Beyond Remote
#		Michael Berg <mike@dataapples.com> November 2004
br-channel	5425/tcp	Beyond Remote Command Channel
br-channel	5425/udp	Beyond Remote Command Channel
#		Michael Berg <mike@dataapples.com> August 2005
devbasic	5426/tcp	DEVBASIC
devbasic	5426/udp	DEVBASIC
#		Curtis Smith <curtis.smith@vsin.com>
sco-peer-tta	5427/tcp	SCO-PEER-TTA
sco-peer-tta	5427/udp	SCO-PEER-TTA
#		Andrew Shire <sndrewsh@sco.com>
telaconsole	5428/tcp	TELAconsole
telaconsole	5428/udp	TELAconsole
#		Joseph M. Newcomer <newcomer@flounder.com>
base	5429/tcp	Billing and Accounting System Exchange
base	5429/udp	Billing and Accounting System Exchange
#		Odo Maletzki <Odo.Maletzki@ioag.de>
radec-corp	5430/tcp	RADEC CORP
radec-corp	5430/udp	RADEC CORP
#		David Chell <david@softlife.co.nz>
park-agent	5431/tcp	PARK AGENT
park-agent	5431/udp	PARK AGENT
#		John Clifford <John.Clifford@veritas.com>
postgresql	5432/tcp	PostgreSQL Database
postgresql	5432/udp	PostgreSQL Database
#		Tom Lane <tgl@sss.pgh.pa.us>
pyrrho	5433/tcp	Pyrrho DBMS
pyrrho	5433/udp	Pyrrho DBMS
#		Malcolm Crowe <malcolm.crowe@paisley.ac.uk> November 2005
sgi-arrayd	5434/tcp	SGI Array Services Daemon
sgi-arrayd	5434/udp	SGI Array Services Daemon
#		Karl Feind <kaf@sgi.com> October 2005
dttl	5435/tcp	Data Tunneling Transceiver Linking (DTTL)
dttl	5435/udp	Data Tunneling Transceiver Linking (DTTL)
#		Richard Olsen <Olsen7@liquefaction.com>
#	5436-5452	Unassigned
surebox	5453/tcp	SureBox
surebox	5453/udp	SureBox
#		Emin BORU <emin@danismanlik.net> November 2004
apc-5454	5454/tcp	APC 5454
apc-5454	5454/udp	APC 5454
apc-5455	5455/tcp	APC 5455
apc-5455	5455/udp	APC 5455
apc-5456	5456/tcp	APC 5456
apc-5456	5456/udp	APC 5456
#		American Power Conversion <ports@apcc.com>
#	5457-5460	Unassigned
silkmeter	5461/tcp	SILKMETER
silkmeter	5461/udp	SILKMETER
#		Klaus Fellner <webmaster@segue.com>
<kfellner@segue.com>		
ttl-publisher	5462/tcp	TTL Publisher

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ttl-publisher 5462/udp TTL Publisher
# Peter Jacobs <pjacobs@tullib.com>
ttlpriceproxy 5463/tcp TTL Price Proxy
ttlpriceproxy 5463/udp TTL Price Proxy
# Peter Jacobs <pjacobs@tullib.com>
quailnet 5464/tcp Quail Networks Object Broker
quailnet 5464/udp Quail Networks Object Broker
# Craig N. Bissell <craig@quailnetworks.com> April 2006
netops-broker 5465/tcp NETOPS-BROKER
netops-broker 5465/udp NETOPS-BROKER
# John R. Deuel <kink@netops.com>
# 5466-5499 Unassigned
fcp-addr-srvr1 5500/tcp fcp-addr-srvr1
fcp-addr-srvr1 5500/udp fcp-addr-srvr1
fcp-addr-srvr2 5501/tcp fcp-addr-srvr2
fcp-addr-srvr2 5501/udp fcp-addr-srvr2
fcp-srvr-inst1 5502/tcp fcp-srvr-inst1
fcp-srvr-inst1 5502/udp fcp-srvr-inst1
fcp-srvr-inst2 5503/tcp fcp-srvr-inst2
fcp-srvr-inst2 5503/udp fcp-srvr-inst2
fcp-cics-gw1 5504/tcp fcp-cics-gw1
fcp-cics-gw1 5504/udp fcp-cics-gw1
# Ken Wittmer <kenneth.m.wittmer@accenture.com>
# 5505-5552 Unassigned
sgi-eventmond 5553/tcp SGI Eventmond Port
sgi-eventmond 5553/udp SGI Eventmond Port
# Andrei Vilkotski <andreiv@sgi.com> June 2003
sgi-esphhttp 5554/tcp SGI ESP HTTP
sgi-esphhttp 5554/udp SGI ESP HTTP
# Vladimir Legalov <legalov@sgi.com>
#####Port 5555 also used by HP Omniback#####
personal-agent 5555/tcp Personal Agent
personal-agent 5555/udp Personal Agent
# Jackie Wu <jackiew@infoseek.com>
#####
freeciv 5556/tcp Freeciv gameplay
freeciv 5556/udp Freeciv gameplay
# Reinier Post, Paul Zastoupil <freeciv@freeciv.org> January
2006
# 5557-5565 Unassigned
udpplus 5566/tcp UDPPlus
udpplus 5566/udp UDPPlus
# Cody Gibson <cody.gibson@intermec.com>
m-oap 5567/tcp Multicast Object Access Protocol
m-oap 5567/udp Multicast Object Access Protocol
# Bryant Eastham <protocols@slc.mew.com> November 2004
sdt 5568/tcp Session Data Transport Multicast
sdt 5568/udp Session Data Transport Multicast
# Daniel W. Antonuk <dantonuk@etconnect.com> May 2006
# 5569-5579 Unassigned
tmosms0 5580/tcp T-Mobile SMS Protocol Message 0
tmosms0 5580/udp T-Mobile SMS Protocol Message 0
tmosms1 5581/tcp T-Mobile SMS Protocol Message 1
tmosms1 5581/udp T-Mobile SMS Protocol Message 1
# Ezinne Oji <ezinne.oji@t-mobile.com> June 2006
# 5582-5583 Unassigned
bis-web 5584/tcp BeInSync-Web

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bis-web          5584/udp    BeInSync-Web
bis-sync         5585/tcp    BeInSync-sync
bis-sync         5585/udp    BeInSync-sync
#               Adi Ruppin <adi.ruppin@data-pod.com> August 2005
#               5586-5596 Unassigned
ininmessaging   5597/tcp    inin secure messaging
ininmessaging   5597/udp    inin secure messaging
#               Mike Gagle <mikeg@inin.com> May 2006
mctfeed         5598/tcp    MCT Market Data Feed
mctfeed         5598/udp    MCT Market Data Feed
#               Stephane Touizer <touizer@microcaptrade.com> May 2006
esinstall       5599/tcp    Enterprise Security Remote Install
esinstall       5599/udp    Enterprise Security Remote Install
esmmmanager     5600/tcp    Enterprise Security Manager
esmmmanager     5600/udp    Enterprise Security Manager
esmagent        5601/tcp    Enterprise Security Agent
esmagent        5601/udp    Enterprise Security Agent
#               Kimberly Gibbs <kingib@CCGATE-UT.AXENT.COM>
a1-msc          5602/tcp    A1-MSc
a1-msc          5602/udp    A1-MSc
a1-bs           5603/tcp    A1-BS
a1-bs           5603/udp    A1-BS
a3-sdunode     5604/tcp    A3-SDUNode
a3-sdunode     5604/udp    A3-SDUNode
a4-sdunode     5605/tcp    A4-SDUNode
a4-sdunode     5605/udp    A4-SDUNode
#               Mike Dolan <MDolan@ihcmail.ih.lucent.com>
#               5606-5626 Unassigned
ninaf          5627/tcp    Node Initiated Network Association Forma
ninaf          5627/udp    Node Initiated Network Association Forma
#               Thomas Scholl <tscholl@spf.is-is.ca> March 2006
#               5628 Unassigned
symantec-sfdb  5629/tcp    Symantec Storage Foundation for Database
symantec-sfdb  5629/udp    Symantec Storage Foundation for Database
#               Quang Thoi <quang_thoi@symantec.com> November 2006
precise-comm   5630/tcp    PreciseCommunication
precise-comm   5630/udp    PreciseCommunication
#               Alon Tamir <alon_tamir@symantec.com> April 2006
pcanywheredata 5631/tcp    pcANYWHEREdata
pcanywheredata 5631/udp    pcANYWHEREdata
pcanywherestat 5632/tcp    pcANYWHEREstat
pcanywherestat 5632/udp    pcANYWHEREstat
#               Jon Rosarky <JRosarky@symantec.com>
beorl          5633/tcp    BE Operations Request Listener
beorl          5633/udp    BE Operations Request Listener
#               chirag desai <Chirag_Desai@symantec.com> February 2006
#               5634-5671 Unassigned
amqp           5672/tcp    AMQP
amqp           5672/udp    AMQP
#               Pieter Hintjens <ph@imatix.com> January 2006
jms            5673/tcp    JAcl Message Server
jms            5673/udp    JAcl Message Server
#               Stuart Allen <stuart@jacl.animats.net> February 2002
hyperscsi-port 5674/tcp    HyperSCSI Port
hyperscsi-port 5674/udp    HyperSCSI Port
#               Data Storage Institute, Singapore
#               <Patrick@dsi.nus.edu.sg> February 2002

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v5ua	5675/tcp	V5UA application port
v5ua	5675/udp	V5UA application port
v5ua	5675/sctp	V5UA application port
#		RFC3807 June 2004
raadmin	5676/tcp	RA Administration
raadmin	5676/udp	RA Administration
#		Sergei Zjaikin <serge@previo.ee> February 2002
questdb2-lnchr	5677/tcp	Quest Central DB2 Launchr
questdb2-lnchr	5677/udp	Quest Central DB2 Launchr
#		Robert M. Mackowiak <rmackowiak@quest.com> February 2002
2002		
rrac	5678/tcp	Remote Replication Agent Connection
rrac	5678/udp	Remote Replication Agent Connection
dccm	5679/tcp	Direct Cable Connect Manager
dccm	5679/udp	Direct Cable Connect Manager
#		Mark Miller <mmiller@MICROSOFT.com>
auriga-router	5680/tcp	Auriga Router Service
auriga-router	5680/udp	Auriga Router Service
#		Vincent Gaudeul <technique@auriga.fr> February 2006
ncxcp	5681/tcp	Net-coneX Control Protocol
ncxcp	5681/udp	Net-coneX Control Protocol
#		Ryan Werber <ryan@ncxti.com> June 2006
#	5682-5687	Unassigned
ggz	5688/tcp	GGZ Gaming Zone
ggz	5688/udp	GGZ Gaming Zone
#		Josef Spillner <admin@ggzgamingzone.org> January 2003
2003		
qmvideo	5689/tcp	QM video network management protocol
qmvideo	5689/udp	QM video network management protocol
#		Jamie Lokier <jamie@jlokier.co.uk> May 2006
#	5690-5712	Unassigned
proshareaudio	5713/tcp	proshare conf audio
proshareaudio	5713/udp	proshare conf audio
prosharevideo	5714/tcp	proshare conf video
prosharevideo	5714/udp	proshare conf video
prosharedata	5715/tcp	proshare conf data
prosharedata	5715/udp	proshare conf data
prosharerequest	5716/tcp	proshare conf request
prosharerequest	5716/udp	proshare conf request
prosharenotify	5717/tcp	proshare conf notify
prosharenotify	5717/udp	proshare conf notify
#		<gunner@ibeam.intel.com>
dpm	5718/tcp	DPM Communication Server
dpm	5718/udp	DPM Communication Server
dpm-agent	5719/tcp	DPM Agent Coordinator
dpm-agent	5719/udp	DPM Agent Coordinator
#		Sundar Srinivasan <sundars@microsoft.com> Vinay Badami <VinayB@microsoft.com> May 2006
ms-licensing	5720/tcp	MS-Licensing
ms-licensing	5720/udp	MS-Licensing
#		Thomas Lindeman <tlinde@microsoft.com> November 2002
dtpt	5721/tcp	Desktop Passthru Service
dtpt	5721/udp	Desktop Passthru Service
#		Dan Leising <dleising@microsoft.com> January 2005
msdfs	5722/tcp	Microsoft DFS Replication Service
msdfs	5722/udp	Microsoft DFS Replication Service
#		Guhan Suriyanarayanan <guhans@microsoft.com> March 2006

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omhs      5723/tcp    Operations Manager - Health Service
omhs      5723/udp    Operations Manager - Health Service
omsdk     5724/tcp    Operations Manager - SDK Service
omsdk     5724/udp    Operations Manager - SDK Service
#         Gerardo Dilillo <MOMIANA@microsoft.com> August 2006
#         5725-5728 Unassigned
openmail  5729/tcp    Openmail User Agent Layer
openmail  5729/udp    Openmail User Agent Layer
#         OpenMail Encyclopedia <opencyc@hpopd.pwd.hp.com>
#         Don Loughry <DON_LOUGHRY@hp-cupertino-om4.om.hp.com>
unieng    5730/tcp    Steltor's calendar access
unieng    5730/udp    Steltor's calendar access
#         Bernard Desruisseaux <bernard@steltor.com>
#         5731-5740 Unassigned
ida-discover1 5741/tcp    IDA Discover Port 1
ida-discover1 5741/udp    IDA Discover Port 1
ida-discover2 5742/tcp    IDA Discover Port 2
ida-discover2 5742/udp    IDA Discover Port 2
#         MPITech Support <morten.christensen@I-DATA.COM>
watchdoc-pod 5743/tcp    Watchdoc NetPOD Protocol
watchdoc-pod 5743/udp    Watchdoc NetPOD Protocol
#         Christophe Chevalier <chevalier@archimed.fr> August
2005
watchdoc    5744/tcp    Watchdoc Server
watchdoc    5744/udp    Watchdoc Server
#         Christophe Chevalier <chevalier@archimed.fr>
November 2004
fcopy-server 5745/tcp    fcopy-server
fcopy-server 5745/udp    fcopy-server
fcopys-server 5746/tcp    fcopys-server
fcopys-server 5746/udp    fcopys-server
#         Moshe Leibovitch <moshe@softlinkusa.com>
tunatic     5747/tcp    Wildbits Tunatic
tunatic     5747/udp    Wildbits Tunatic
tunalyzer   5748/tcp    Wildbits Tunalyzer
tunalyzer   5748/udp    Wildbits Tunalyzer
#         Sylvain Demongeot <sylvain.demongeot@wildbits.com>
August 2005
#         5749-5754 Unassigned
openmailg   5755/tcp    OpenMail Desk Gateway server
openmailg   5755/udp    OpenMail Desk Gateway server
x500ms      5757/tcp    OpenMail X.500 Directory Server
x500ms      5757/udp    OpenMail X.500 Directory Server
openmailns  5766/tcp    OpenMail NewMail Server
openmailns  5766/udp    OpenMail NewMail Server
s-openmail  5767/tcp    OpenMail Suer Agent Layer (Secure)
s-openmail  5767/udp    OpenMail Suer Agent Layer (Secure)
openmailpxy 5768/tcp    OpenMail CMTS Server
openmailpxy 5768/udp    OpenMail CMTS Server
#         OpenMail Encyclopedia <opencyc@hpopd.pwd.hp.com>
#         Don Loughry <DON_LOUGHRY@hp-cupertino-om4.om.hp.com>
spramsca    5769/tcp    x509solutions Internal CA
spramsca    5769/udp    x509solutions Internal CA
spramsd     5770/tcp    x509solutions Secure Data
spramsd     5770/udp    x509solutions Secure Data
#         Brendan Fay <brendan.fay@x509solutions.com> February 2006
netagent    5771/tcp    NetAgent

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netagent          5771/udp    NetAgent
#                Bradley Birnbaum <bradley.birnbaum@eshare.com>
#                5772-5776    Unassigned
dali-port        5777/tcp    DALI Port
dali-port        5777/udp    DALI Port
#                Wayne Morrow / Michael Melio
<wmorrow@starfieldcorp.com> / <meliomd@comcast.net> October 2003
#                5778-5792    Unassigned
xtreamx         5793/tcp    XtreamX Supervised Peer message
xtreamx         5793/udp    XtreamX Supervised Peer message
#                Ahmad Tajuddin Samsudin <tajuddin@tmrnd.com.my> February
2007
#                5794-5812    Unassigned
icmpd           5813/tcp    ICMPD
icmpd           5813/udp    ICMPD
#                Shane O'Donnell <shane@opennms.org>
spt-automation  5814/tcp    Support Automation
spt-automation  5814/udp    Support Automation
#                Joshua Hawkins <joshua.hawkins@hp.com> November 2003
#                5815-5858    Unassigned
wherehoo        5859/tcp    WHEREHOO
wherehoo        5859/udp    WHEREHOO
#                Jim Youll <jim@media.mit.edu>
#                5860-5862    Unassigned
ppsuitemsg      5863/tcp    PlanetPress Suite Messeng
ppsuitemsg      5863/udp    PlanetPress Suite Messeng
#                Yannick Fortin <fortiny@ca.objectiflune.com> February 2006
#                5864-5899    Unassigned
vnc-server      5900/tcp    VNC Server
vnc-server      5900/udp    VNC Server
#                Tristan Richardson <iana@realvnc.com> March 2006
#                5901-5962    Unassigned
indy            5963/tcp    Indy Application Server
indy            5963/udp    Indy Application Server
#                Bjorn Lantz <bjorn.lantz@encode.se> November 2004
#                5964-5967    Unassigned
mppolicy-v5     5968/tcp    mppolicy-v5
mppolicy-v5     5968/udp    mppolicy-v5
mppolicy-mgr    5969/tcp    mppolicy-mgr
mppolicy-mgr    5969/udp    mppolicy-mgr
#                Yutaka Ono <ono@saint.nm.fujitsu.co.jp>
#                5970-5984    Unassigned
wsman           5985/tcp    WBEM WS-Management HTTP
wsman           5985/udp    WBEM WS-Management HTTP
wsmans         5986/tcp    WBEM WS-Management HTTP over TLS/SSL
wsmans         5986/udp    WBEM WS-Management HTTP over TLS/SSL
#                Jim Davis <jim.davis@wbemsolutions.com> November 2006
wbem-rmi        5987/tcp    WBEM RMI
wbem-rmi        5987/udp    WBEM RMI
wbem-http       5988/tcp    WBEM CIM-XML (HTTP)
wbem-http       5988/udp    WBEM CIM-XML (HTTP)
#                Jim Davis <jim.davis@wbemsolutions.com>
wbem-https      5989/tcp    WBEM CIM-XML (HTTPS)
wbem-https      5989/udp    WBEM CIM-XML (HTTPS)
#                Jim Davis <jim.davis@wbemsolutions.com>
wbem-exp-https  5990/tcp    WBEM Export HTTPS
wbem-exp-https  5990/udp    WBEM Export HTTPS

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#                               Denise Eckstein <denise.eckstein@hp.com> November
2004
nuxsl                5991/tcp    NUXSL
nuxsl                5991/udp    NUXSL
#                               Kai Kretschmann <K.Kretschmann@security-gui.de>
March 2002
consul-insight      5992/tcp    Consul InSight Security
consul-insight      5992/udp    Consul InSight Security
#                               Arthur Hillenaar <arthur.hillenaar@consul.com>
January 2006
#                               5993-5998  Unassigned
cvsup               5999/tcp    CVSup
cvsup               5999/udp    CVSup
#                               Randall Atkinson <rja@inet.org>
x11                 6000-6063/tcp  X Window System
x11                 6000-6063/udp  X Window System
#                               Stephen Gildea <gildea@lcs.mit.edu>
ndl-ahp-svc         6064/tcp    NDL-AHP-SVC
ndl-ahp-svc         6064/udp    NDL-AHP-SVC
#                               John Richmond <john@ndl.co.uk>
winpharaoh          6065/tcp    WinPharaoh
winpharaoh          6065/udp    WinPharaoh
#                               Basil Lee <basil.lee@gnnettest.com>
ewctsp              6066/tcp    EWCTSP
ewctsp              6066/udp    EWCTSP
#                               Mark Bailon <mark.bailon@ericsson.com>
srb                 6067/tcp    SRB
srb                 6067/udp    SRB
#                               Heinz Naef <heinz.naef@nexus.com>
gsmp                6068/tcp    GSMP
gsmp                6068/udp    GSMP
#                               Avri Doria <avri.doria@nokia.com>
trip                6069/tcp    TRIP
trip                6069/udp    TRIP
#                               Hussein F. Salama <hsalama@cisco.com>
messageasap         6070/tcp    Messageasap
messageasap         6070/udp    Messageasap
#                               Murray Freeman <murray@officedomain.com>
ssdtp               6071/tcp    SSDTP
ssdtp               6071/udp    SSDTP
#                               Michael Shearson <mikes@softsys-inc.com>
diagnose-proc       6072/tcp    DIAGNOSE-PROC
diagnose-proc       6072/udp    DIAGNOSE-PROC
#                               Allan Miller <amiller@handsfreenetworks.com>
directplay8         6073/tcp    DirectPlay8
directplay8         6073/udp    DirectPlay8
#                               John Kane <johnkan@microsoft.com>
max                 6074/tcp    Microsoft Max
max                 6074/udp    Microsoft Max
#                               Jay Beavers <Jay.Beavers@Microsoft.Com> February 2006
#                               6075-6084  Unassigned
konspire2b          6085/tcp    konspire2b p2p network
konspire2b          6085/udp    konspire2b p2p network
#                               Jason Rohrer <rohrer@cse.ucsc.edu> October 2002
pdtp                6086/tcp    PDTP P2P
pdtp                6086/udp    PDTP P2P
#                               Tony Arcieri <bascule@gmail.com> March 2006

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ldss          6087/tcp    Local Download Sharing Service
ldss          6087/udp    Local Download Sharing Service
#             Clifford Heath <cjh@managesoft.com> May 2006
#             6088-6099 Unassigned
synchronet-db 6100/tcp    SynchroNet-db
synchronet-db 6100/udp    SynchroNet-db
synchronet-rtc 6101/tcp    SynchroNet-rtc
synchronet-rtc 6101/udp    SynchroNet-rtc
synchronet-upd 6102/tcp    SynchroNet-upd
synchronet-upd 6102/udp    SynchroNet-upd
#             Arne Haugland <Arne.Haugland@parasoldev.com>
rets          6103/tcp    RETS
rets          6103/udp    RETS
#             Bruce Toback <btoback@optc.com>
dbdb          6104/tcp    DBDB
dbdb          6104/udp    DBDB
#             Aaron Brick <aa@lithic.org>
primaserver   6105/tcp    Prima Server
primaserver   6105/udp    Prima Server
mpsserver     6106/tcp    MPS Server
mpsserver     6106/udp    MPS Server
#             Prima Designs Systems Ltd. <info@prima.com.hk>
etc-control   6107/tcp    ETC Control
etc-control   6107/udp    ETC Control
#             Steve Polishinski <spolishinski@etccconnect.com>
sercomm-scadmin 6108/tcp    Sercomm-SCAdmin
sercomm-scadmin 6108/udp    Sercomm-SCAdmin
#             Melinda Tsao <melinda_tsao@mail.sercomm.com.tw>
globecast-id  6109/tcp    GLOBECAST-ID
globecast-id  6109/udp    GLOBECAST-ID
#             Piers Scannell <piers@globecastne.com>
softcm        6110/tcp    HP SoftBench CM
softcm        6110/udp    HP SoftBench CM
spc           6111/tcp    HP SoftBench Sub-Process Control
spc           6111/udp    HP SoftBench Sub-Process Control
#             Scott A. Kramer <sk@tleilaxu.sde.hp.com>
dtspcd        6112/tcp    dtspcd
dtspcd        6112/udp    dtspcd
#             Doug Royer <Doug@Royer.com>
#             6113-6121 Unassigned
bex-webadmin  6122/tcp    Backup Express Web Server
bex-webadmin  6122/udp    Backup Express Web Server
#             Chi Shih Chang <cchang@syncsort.com> November 2005
backup-express 6123/tcp    Backup Express
backup-express 6123/udp    Backup Express
#             Chi Shih Chang <cchang@syncsort.com>
#             6124-6132 Unassigned
nbt-wol       6133/tcp    New Boundary Tech WOL
nbt-wol       6133/udp    New Boundary Tech WOL
#             Elizabeth Zilen <ezilen@newboundary.com> November
2004
#             6134-6140 Unassigned
meta-corp     6141/tcp    Meta Corporation License Manager
meta-corp     6141/udp    Meta Corporation License Manager
#             Osamu Masuda <---none--->
aspentec-lm   6142/tcp    Aspen Technology License Manager
aspentec-lm   6142/udp    Aspen Technology License Manager

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# Kevin Massey <massey@aspentec.com>
watershed-lm 6143/tcp Watershed License Manager
watershed-lm 6143/udp Watershed License Manager
# David Ferrero <david@zion.com>
statsci1-lm 6144/tcp StatSci License Manager - 1
statsci1-lm 6144/udp StatSci License Manager - 1
statsci2-lm 6145/tcp StatSci License Manager - 2
statsci2-lm 6145/udp StatSci License Manager - 2
# Scott Blachowicz <scott@statsci.com>
lonewolf-lm 6146/tcp Lone Wolf Systems License Manager
lonewolf-lm 6146/udp Lone Wolf Systems License Manager
# Dan Klein <dvk@lonewolf.com>
montage-lm 6147/tcp Montage License Manager
montage-lm 6147/udp Montage License Manager
# Michael Ubell <michael@montage.com>
ricardo-lm 6148/tcp Ricardo North America License Manager
ricardo-lm 6148/udp Ricardo North America License Manager
# M Flemming <mflemming@aol.com>
tal-pod 6149/tcp tal-pod
tal-pod 6149/udp tal-pod
# Steven Loomis <srl@taligent.com>
# 6150-6160 Unassigned
patrol-ism 6161/tcp PATROL Internet Srv Mgr
patrol-ism 6161/udp PATROL Internet Srv Mgr
patrol-coll 6162/tcp PATROL Collector
patrol-coll 6162/udp PATROL Collector
# Portnoy Boxman <portnoy_boxman@bmc.com> January 2005
pscribe 6163/tcp Precision Scribe Cnx Port
pscribe 6163/udp Precision Scribe Cnx Port
# Robert W Hodges <iana@precddata.com> January 2005
# 6164-6199 Unassigned
lm-x 6200/tcp LM-X License Manager by X-Formation
lm-x 6200/udp LM-X License Manager by X-Formation
# Henrik Goldman <hg@x-formation.com> October 2006
# 6201-6221 Unassigned
radmind 6222/tcp Radmind Access Protocol
radmind 6222/udp Radmind Access Protocol
# Patrick M McNeal <mcneal@umich.edu> March 2006
# 6223-6252 Unassigned
crip 6253/tcp CRIP
crip 6253/udp CRIP
# Mike Rodbell <mrodbell@ciena.com>
# 6254-6267 Unassigned
grid 6268/tcp Grid Authentication
grid 6268/udp Grid Authentication
grid-alt 6269/tcp Grid Authentication Alt
grid-alt 6269/udp Grid Authentication Alt
# Jason Hamilton <JHamilton@griddatasecurity.com> June 2006
# 6270-6299 Unassigned
bmc-grx 6300/tcp BMC GRX
bmc-grx 6300/udp BMC GRX
# Portnoy Boxman <portnoy_boxman@bmc.com>
bmc_ctd_ldap 6301/tcp BMC CONTROL-D LDAP SERVER
bmc_ctd_ldap 6301/udp BMC CONTROL-D LDAP SERVER
# Portnoy Boxman <Portnoy_Boxman@bmc.com> September 2006
# 6302-6319 Unassigned
repsvc 6320/tcp Double-Take Replication Service

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repsvc          6320/udp    Double-Take Replication Service
#              James Wilkinson <jwilkinson@doubletake.com> April 2006
emp-server1    6321/tcp    Empress Software Connectivity Server 1
emp-server1    6321/udp    Empress Software Connectivity Server 1
emp-server2    6322/tcp    Empress Software Connectivity Server 2
emp-server2    6322/udp    Empress Software Connectivity Server 2
#
#              Srdjan Holovac <srdjan@empress.com>
#              6323-6342 Unassigned
sflow          6343/tcp    sFlow traffic monitoring
sflow          6343/udp    sFlow traffic monitoring
#
#              Peter Phaal <peter.phaal@inmon.com> June 2003
#              6344-6345 Unassigned
gnutella-svc   6346/tcp    gnutella-svc
gnutella-svc   6346/udp    gnutella-svc
gnutella-rtr   6347/tcp    gnutella-rtr
gnutella-rtr   6347/udp    gnutella-rtr
#
#              Serguei Osokine <osokin@paragraph.com>
#              6348-6381 Unassigned
metatude-mds   6382/tcp    Metatude Dialogue Server
metatude-mds   6382/udp    Metatude Dialogue Server
#
#              Menno Zweistra <m.zweistra@metatude.com>
#              6383-6388 Unassigned
clariion-evr01 6389/tcp    clariion-evr01
clariion-evr01 6389/udp    clariion-evr01
#
#              Dave DesRoches <ddesroches@clariion.com>
#              6390-6399 Unassigned
# The following blocks are in use by Seagate Software 6400-6410 #
info-aps       6400
info-was       6401
info-eventsvr  6402
info-cachesvr  6403
info-filesvr   6404
info-pagesvr   6405
info-processvr 6406
reserved1     6407
reserved2     6408
reserved3     6409
reserved4     6410
# The previous ports are in use by Seagate Software 6400-6410 #
# Contact for these ports is Wade Richards <Wade.Richards@Seagatesoftware.com>
#              6411-6416 Unassigned
faxcomservice  6417/tcp    Faxcom Message Service
faxcomservice  6417/udp    Faxcom Message Service
#
#              Albert Leung <aleung@biscom.com> April 2006
#              6418-6419 Unassigned
nim-vdrshell   6420/tcp    NIM_VDRShell
nim-vdrshell   6420/udp    NIM_VDRShell
nim-wan        6421/tcp    NIM_WAN
nim-wan        6421/udp    NIM_WAN
#
#              Rik Ditter <managers@generationtechnologies.com> February
2006
#              6422-6442 Unassigned
sun-sr-https   6443/tcp    Service Registry Default HTTPS Domain
sun-sr-https   6443/udp    Service Registry Default HTTPS Domain
#
#              Paul Sterk <paul.sterk@sun.com> March 2006
sge_qmaster    6444/tcp    Grid Engine Qmaster Service
sge_qmaster    6444/udp    Grid Engine Qmaster Service

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sge_execd 6445/tcp Grid Engine Execution Service
sge_execd 6445/udp Grid Engine Execution Service
# Andreas Haas <andreas.haas@sun.com> August 2006
# 6446-6454 Unassigned
skip-cert-recv 6455/tcp SKIP Certificate Receive
skip-cert-send 6456/udp SKIP Certificate Send
# Tom Markson <markson@osmosys.incog.com>
# 6457-6470 Unassigned
lvision-lm 6471/tcp LVision License Manager
lvision-lm 6471/udp LVision License Manager
# Brian McKinnon <bmck@lvision.com>
# 6472-6479 Unassigned
sun-sr-http 6480/tcp Service Registry Default HTTP Domain
sun-sr-http 6480/udp Service Registry Default HTTP Domain
# Paul Sterk <paul.sterk@sun.com> March 2006
servicetags 6481/tcp Service Tags
servicetags 6481/udp Service Tags
# Peter Schow <Peter.Schow@Sun.COM> January 2007
# 6482-6483 Unassigned
sun-sr-jms 6484/tcp Service Registry Default JMS Domain
sun-sr-jms 6484/udp Service Registry Default JMS Domain
sun-sr-iiop 6485/tcp Service Registry Default IIOP Domain
sun-sr-iiop 6485/udp Service Registry Default IIOP Domain
sun-sr-iiops 6486/tcp Service Registry Default IIOPS Domain
sun-sr-iiops 6486/udp Service Registry Default IIOPS Domain
sun-sr-iiop-aut 6487/tcp Service Registry Default IIOPAuth Domain
sun-sr-iiop-aut 6487/udp Service Registry Default IIOPAuth Domain
sun-sr-jmx 6488/tcp Service Registry Default JMX Domain
sun-sr-jmx 6488/udp Service Registry Default JMX Domain
sun-sr-admin 6489/tcp Service Registry Default Admin Domain
sun-sr-admin 6489/udp Service Registry Default Admin Domain
# Paul Sterk <paul.sterk@sun.com> March 2006
# 6490-6499 Unassigned
boks 6500/tcp BoKS Master
boks 6500/udp BoKS Master
boks_servc 6501/tcp BoKS Servc
boks_servc 6501/udp BoKS Servc
boks_servm 6502/tcp BoKS Servm
boks_servm 6502/udp BoKS Servm
boks_clntd 6503/tcp BoKS Clntd
boks_clntd 6503/udp BoKS Clntd
# Magnus Nystrom <magnus@dynas.se>
# 6504 Unassigned
badm_priv 6505/tcp BoKS Admin Private Port
badm_priv 6505/udp BoKS Admin Private Port
badm_pub 6506/tcp BoKS Admin Public Port
badm_pub 6506/udp BoKS Admin Public Port
bdir_priv 6507/tcp BoKS Dir Server, Private Port
bdir_priv 6507/udp BoKS Dir Server, Private Port
bdir_pub 6508/tcp BoKS Dir Server, Public Port
bdir_pub 6508/udp BoKS Dir Server, Public Port
# Magnus Nystrom <magnus@dynas.se>
mgcs-mfp-port 6509/tcp MGCS-MFP Port
mgcs-mfp-port 6509/udp MGCS-MFP Port
# Minoru Ozaki <Minoru.Ozaki@rdmg.mgcs.mei.co.jp>
mcer-port 6510/tcp MCER Port
mcer-port 6510/udp MCER Port

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#                               Portnoy Boxman <portnoy_boxman@bmc.com>
#                               6511-6542 Unassigned
lds-distrib 6543/tcp lds_distrib
lds-distrib 6543/udp lds_distrib
#                               Jack Baker <Jack.Baker@L-3Com.com> June 2003
lds-dump 6544/tcp LDS Dump Service
lds-dump 6544/udp LDS Dump Service
#                               Jack Baker <Jack.Baker@L-3Com.com> February 2006
#                               6545-6546 Unassigned
apc-6547 6547/tcp APC 6547
apc-6547 6547/udp APC 6547
apc-6548 6548/tcp APC 6548
apc-6548 6548/udp APC 6548
apc-6549 6549/tcp APC 6549
apc-6549 6549/udp APC 6549
#                               American Power Conversion <ports@apcc.com>
fg-sysupdate 6550/tcp fg-sysupdate
fg-sysupdate 6550/udp fg-sysupdate
#                               Mark Beyer <mbeyer@freigate.com>
#                               6551-6557 Unassigned
xdsx dm 6558/tcp
xdsx dm 6558/udp
#                               Brian Tackett <cym@acrux.net> possible contact
#                               6559-6565 Unassigned
sane-port 6566/tcp SANE Control Port
sane-port 6566/udp SANE Control Port
#                               Henning Meier-Geinitz <henning@meier-geinitz.de>
October 2002
esp 6567/tcp eSilo Storage Protocol
esp 6567/udp eSilo Storage Protocol
#                               Andrew Chernow <andrew@esilo.com> January 2007
#                               6568-6578 Unassigned
affiliate 6579/tcp Affiliate
affiliate 6579/udp Affiliate
#                               David Catmull <uncommon@uncommonplace.com> January 2006
parsec-master 6580/tcp Parsec Masterserver
parsec-master 6580/udp Parsec Masterserver
parsec-peer 6581/tcp Parsec Peer-to-Peer
parsec-peer 6581/udp Parsec Peer-to-Peer
parsec-game 6582/tcp Parsec Gameserver
parsec-game 6582/udp Parsec Gameserver
#                               Andreas Varga <sid@parsec.org>
joaJewelSuite 6583/tcp JOA Jewel Suite
joaJewelSuite 6583/udp JOA Jewel Suite
#                               Bob Rundle <rundle@rundle.com> November 2005
#                               6584-6587 Unassigned
#                               6588 Unassigned
####Unofficial use of port 6588 by AnalogX and Microsoft####
#                               6589-6618 Unassigned
odette-ftp 6619/tcp ODETTE-FTP over TLS/SSL
odette-ftp 6619/udp ODETTE-FTP over TLS/SSL
#                               Ieuan Friend <ieuan.friend@dip.co.uk> March 2006
kftp-data 6620/tcp Kerberos V5 FTP Data
kftp-data 6620/udp Kerberos V5 FTP Data
kftp 6621/tcp Kerberos V5 FTP Control
kftp 6621/udp Kerberos V5 FTP Control
#                               Robert J. Scott <rob@hpcmo.hpc.mil> August 2005

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mcftp          6622/tcp    Multicast FTP
mcftp          6622/udp    Multicast FTP
#              Bruce Lueckenhoff <bruce@scalabledesign.com> February 2006
ktelnet       6623/tcp    Kerberos V5 Telnet
ktelnet       6623/udp    Kerberos V5 Telnet
#              Robert J. Scott <rob@hpcmo.hpc.mil> August 2005
#              6624-6625 Unassigned
wago-service  6626/tcp    WAGO Service and Update
wago-service  6626/udp    WAGO Service and Update
#              Wolfgang Adler <electronicc_rd@wago.com> April 2006
nexgen        6627/tcp    Allied Electronics NeXGen
nexgen        6627/udp    Allied Electronics NeXGen
#              Lou Seitchik <lou@alliedelectronics.com> August 2005
afesc-mc      6628/tcp    AFE Stock Channel M/C
afesc-mc      6628/udp    AFE Stock Channel M/C
#              K.K Ho <kk.ho@afe-solutions.com> April 2004
#              6629-6630 Unassigned
#              6631 Unassigned (Returned 28 May 2004)
#              6632-6664 Unassigned
ircu          6665-6669/tcp IRCU
ircu          6665-6669/udp IRCU
#              Brian Tackett <cym@acrux.net>
vocaltec-gold 6670/tcp    Vocaltec Global Online Directory
vocaltec-gold 6670/udp    Vocaltec Global Online Directory
#              Scott Petrack <Scott_Petrack@vocaltec.com>
#              6671 Unassigned
vision_server 6672/tcp    vision_server
vision_server 6672/udp    vision_server
vision_elmd   6673/tcp    vision_elmd
vision_elmd   6673/udp    vision_elmd
#              Chris Kramer <CKramer@gis.shl.com>
#              6674-6700 Unassigned
kti-icad-srvr 6701/tcp    KTI/ICAD Nameserver
kti-icad-srvr 6701/udp    KTI/ICAD Nameserver
#              Stanley Knutson <Stanley.Knutson@KTIworld.com>
e-design-net  6702/tcp    e-Design network
e-design-net  6702/udp    e-Design network
e-design-web  6703/tcp    e-Design web
e-design-web  6703/udp    e-Design web
#              Janos Lerch <lerch@softic.hu> February 2006
#              6704-6713 Unassigned
ibprotocol    6714/tcp    Internet Backplane Protocol
ibprotocol    6714/udp    Internet Backplane Protocol
#              Alessandro Bassi <abassi@cs.utk.edu>
fibotrader-com 6715/tcp    Fibotrader Communications
fibotrader-com 6715/udp    Fibotrader Communications
#              Robert Wetzold <robert.wetzold@fibotrader.com> January 2006
#              6716-6766 Unassigned
bmc-perf-agent 6767/tcp    BMC PERFORM AGENT
bmc-perf-agent 6767/udp    BMC PERFORM AGENT
bmc-perf-mgrd 6768/tcp    BMC PERFORM MGRD
bmc-perf-mgrd 6768/udp    BMC PERFORM MGRD
#              Portnoy Boxman <portnoy_boxman@bmc.com>
adi-gxp-srvprt 6769/tcp    ADInstruments GxP Server
adi-gxp-srvprt 6769/udp    ADInstruments GxP Server
#              Mathew Pitchforth <mathew@adinstruments.co.nz>
August 2005

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plysrv-http      6770/tcp      PolyServe http
plysrv-http      6770/udp      PolyServe http
plysrv-https     6771/tcp      PolyServe https
plysrv-https     6771/udp      PolyServe https
#
#                Mike Spitzer <mjs@polyserve.com> August 2005
#                6772-6784 Unassigned
dgpf-exchg 6785/tcp      DGPF Individual Exchange
dgpf-exchg 6785/udp      DGPF Individual Exchange
#
#                Thomas Weise <weise@vs.uni-kassel.de> April 2006
smc-jmx          6786/tcp      Sun Java Web Console JMX
smc-jmx          6786/udp      Sun Java Web Console JMX
smc-admin        6787/tcp      Sun Web Console Admin
smc-admin        6787/udp      Sun Web Console Admin
#
#                Bill Edwards <bill.edwards@sun.com> August 2005
smc-http         6788/tcp      SMC-HTTP
smc-http         6788/udp      SMC-HTTP
#
#                Ratnadeep Bhattacharjee
<ratnadeep.bhattacharjee@sun.com> November 2002
smc-https        6789/tcp      SMC-HTTPS
smc-https        6789/udp      SMC-HTTPS
#
#                Ratnadeep Bhattacharjee
<ratnadeep.bhattacharjee@sun.com> August 2002
hnmp             6790/tcp      HNMP
hnmp             6790/udp      HNMP
#
#                Jude George <jude@nas.nasa.gov>
hnm              6791/tcp      Halcyon Network Manager
hnm              6791/udp      Halcyon Network Manager
#
#                Richard Harriss
<richard.harriss@halcyonsoftware.com> May 2005
#                6792-6830 Unassigned
ambit-lm         6831/tcp      ambit-lm
ambit-lm         6831/udp      ambit-lm
#
#                Don Hejna <djhejna@ambit.com>
#                6832-6840 Unassigned
netmo-default    6841/tcp      Netmo Default
netmo-default    6841/udp      Netmo Default
netmo-http       6842/tcp      Netmo HTTP
netmo-http       6842/udp      Netmo HTTP
#
#                Urs Bertschinger <urs@netmosphere.com>
#                6843-6849 Unassigned
iccrushmore      6850/tcp      ICCRUSHMORE
iccrushmore      6850/udp      ICCRUSHMORE
#
#                Dave Hubbard <dave@icc.net>
#                6851-6887 Unassigned
muse             6888/tcp      MUSE
muse             6888/udp      MUSE
#
#                Muse Communications Corporation
#                <howard@muse3d.com>
#                6889-6935 Unassigned
xsmsvc           6936/tcp      XenSource Management Service
xsmsvc           6936/udp      XenSource Management Service
#
#                Roger Klorese <roger@xensource.com> June 2006
#                6937-6945 Unassigned
bioserver        6946/tcp      Biometrics Server
bioserver        6946/udp      Biometrics Server
#
#                ISHII AKIO <ishii.akio@jp.fujitsu.com> January 2006
#                6947-6950 Unassigned

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otlp          6951/tcp      OTLP
otlp          6951/udp      OTLP
#
#                Brent Foster <brent.foster@onstreamsystems.com> April 2006
#                6952-6960    Unassigned
jmact3        6961/tcp      JMACT3
jmact3        6961/udp      JMACT3
jmevt2        6962/tcp      jmevt2
jmevt2        6962/udp      jmevt2
swismgr1      6963/tcp      swismgr1
swismgr1      6963/udp      swismgr1
swismgr2      6964/tcp      swismgr2
swismgr2      6964/udp      swismgr2
swistrap      6965/tcp      swistrap
swistrap      6965/udp      swistrap
swispol       6966/tcp      swispol
swispol       6966/udp      swispol
#
#                Yutaka Ono <ono@saint.nm.fujitsu.co.jp>
#                6967-6968    Unassigned
acmsoda       6969/tcp      acmsoda
acmsoda       6969/udp      acmsoda
#
#                Daniel Simms <dsimms@acm.uiuc.edu>
#                6970-6997    Unassigned
iatp-highpri  6998/tcp      IATP-highPri
iatp-highpri  6998/udp      IATP-highPri
iatp-normalpri 6999/tcp      IATP-normalPri
iatp-normalpri 6999/udp      IATP-normalPri
#
#                John Murphy <john.m.murphy@mci.com>
afs3-fileserver 7000/tcp      file server itself
afs3-fileserver 7000/udp      file server itself
afs3-callback   7001/tcp      callbacks to cache managers
afs3-callback   7001/udp      callbacks to cache managers
afs3-prserver   7002/tcp      users & groups database
afs3-prserver   7002/udp      users & groups database
afs3-vlserver   7003/tcp      volume location database
afs3-vlserver   7003/udp      volume location database
afs3-kaserver   7004/tcp      AFS/Kerberos authentication service
afs3-kaserver   7004/udp      AFS/Kerberos authentication service
afs3-volserver  7005/tcp      volume managment server
afs3-volserver  7005/udp      volume managment server
afs3-errors     7006/tcp      error interpretation service
afs3-errors     7006/udp      error interpretation service
afs3-bos        7007/tcp      basic overseer process
afs3-bos        7007/udp      basic overseer process
afs3-update     7008/tcp      server-to-server updater
afs3-update     7008/udp      server-to-server updater
afs3-rmtsys     7009/tcp      remote cache manager service
afs3-rmtsys     7009/udp      remote cache manager service
#
ups-onlinet    7010/tcp      onlinet uninterruptable power supplies
ups-onlinet    7010/udp      onlinet uninterruptable power supplies
#
#                Jim Thompson <jim.thompson@powerware.com>
talon-disc     7011/tcp      Talon Discovery Port
talon-disc     7011/udp      Talon Discovery Port
talon-engine   7012/tcp      Talon Engine
talon-engine   7012/udp      Talon Engine
microtalon-dis 7013/tcp      Microtalon Discovery
microtalon-dis 7013/udp      Microtalon Discovery

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microtalon-com 7014/tcp Microtalon Communications
microtalon-com 7014/udp Microtalon Communications
talon-webserver 7015/tcp Talon Webserver
talon-webserver 7015/udp Talon Webserver
#
#                               Jim Thompson <jim.thompson@powerware.com>
#                               7016-7019 Unassigned
dpserve        7020/tcp DP Serve
dpserve        7020/udp DP Serve
dpserveadmin   7021/tcp DP Serve Admin
dpserveadmin   7021/udp DP Serve Admin
#
#                               Allan Stanley <allan@hummingbird.com>
ctdp           7022/tcp CT Discovery Protocol
ctdp           7022/udp CT Discovery Protocol
#
#                               James Kirkwood
<james.kirkwood@controltechniques.com> June 2005
ct2nmcs        7023/tcp Comtech T2 NMCS
ct2nmcs        7023/udp Comtech T2 NMCS
#
#                               Bryan Wilcutt <bwilcutt@comtechefdata.com> June
2005
vmsvc          7024/tcp Vormetric service
vmsvc          7024/udp Vormetric service
#
#                               Tom Boyle <tboyle@vormetric.com> June 2005
vmsvc-2        7025/tcp Vormetric Service II
vmsvc-2        7025/udp Vormetric Service II
#
#                               Tom Boyle <tboyle@vormetric.com> June 2005
#                               7026-7029 Unassigned
op-probe       7030/tcp ObjectPlanet probe
op-probe       7030/udp ObjectPlanet probe
#
#                               Bjorn Jarle Kvande <bjorn@objectplanet.com> April
2002
#                               7031-7069 Unassigned
arcp           7070/tcp ARCP
arcp           7070/udp ARCP
#
#                               Jude George <jude@nas.nasa.gov>
#                               7071-7098 Unassigned
lazy-ptop      7099/tcp lazy-ptop
lazy-ptop      7099/udp lazy-ptop
#
#                               Guy Keren <Guy_Keren@mail.stil.scitex.com>
font-service   7100/tcp X Font Service
font-service   7100/udp X Font Service
#
#                               Stephen Gildea <gildea@lcs.mit.edu>
elcn           7101/tcp Embedded Light Control Network
elcn           7101/udp Embedded Light Control Network
#
#                               Michael Scarito <ms@mit.edu> February 2007
#                               7102-7120 Unassigned
virprot-lm     7121/tcp Virtual Prototypes License Manager
virprot-lm     7121/udp Virtual Prototypes License Manager
#
#                               Victor Galis <galis@satchmo.virtualprototypes.ca>
#                               7122-7127 Unassigned
scenidm        7128/tcp intelligent data manager
scenidm        7128/udp intelligent data manager
#
#                               Paul Ignatius <paul.ignatius@scentric.com> March 2006
scenccs        7129/tcp Catalog Content Search
scenccs        7129/udp Catalog Content Search
#
#                               Anil Sharma <anil.sharma@scentric.com> April 2006
#                               7130-7160 Unassigned
cabsm-comm     7161/tcp CA BSM Comm

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cabsm-comm	7161/udp	CA BSM Comm
#		Chun-Ho Chang <chun-ho.chang@ca.com> November 2004
caistoragemgr	7162/tcp	CA Storage Manager
caistoragemgr	7162/udp	CA Storage Manager
#		Emre Tunar <emre.tunar@ca.com> November 2004
cacsambroker	7163/tcp	CA Connection Broker
cacsambroker	7163/udp	CA Connection Broker
#		David Roberts <David.Roberts@ca.com> May 2005
#	7164-7173	Unassigned
clutild	7174/tcp	Clutild
clutild	7174/udp	Clutild
#		Cheryl Stoutenburg <cstoutenburg@vnet.ibm.com>
#	7175-7199	Unassigned
fodms	7200/tcp	FODMS FLIP
fodms	7200/udp	FODMS FLIP
#		David Anthony
<anthony@power.amasd.anatcp.rockwell.com>		
dlip	7201/tcp	DLIP
dlip	7201/udp	DLIP
#		Albert Manfredi
<manfredi@engr05.comsys.rockwell.com>		
#	7202-7226	Unassigned
ramp	7227/tcp	Registry A & M Protocol
ramp	7227/udp	Registry A \$ M Protocol
#		John Havard <jh@hxe.us> November 2003
#	7228-7271	Unassigned
watchme-7272	7272/tcp	WatchMe Monitoring 7272
watchme-7272	7272/udp	WatchMe Monitoring 7272
#		Oliver Heinz <heinz@arago.de> August 2005
oma-rlp	7273/tcp	OMA Roaming Location
oma-rlp	7273/udp	OMA Roaming Location
oma-rlp-s	7274/tcp	OMA Roaming Location SEC
oma-rlp-s	7274/udp	OMA Roaming Location SEC
#		Larry A. Young <Larry.A.Young@mail.Sprint.com>
August 2005		
oma-ulp	7275/tcp	OMA UserPlane Location
oma-ulp	7275/udp	OMA UserPlane Location
#		Larry A. Young <Larry.A.Young@Sprint.com> February 2006
#	7276-7279	Unassigned
itactionserver1	7280/tcp	ITACTIONSERVER 1
itactionserver1	7280/udp	ITACTIONSERVER 1
itactionserver2	7281/tcp	ITACTIONSERVER 2
itactionserver2	7281/udp	ITACTIONSERVER 2
#		Brian Taylor <btaylor@imagetag.com>
#	7282-7299	Unassigned
swx	7300-7359	The Swiss Exchange
#		Edgar Blum <edgar.blum@swx.ch>
#	7360-7364	Unassigned (Removed on 2006-2-06)
lcm-server	7365/tcp	LifeKeeper Communications
lcm-server	7365/udp	LifeKeeper Communications
#		James Bottomley <James.Bottomley@SteelEye.com> February
2006		
#	7366-7390	Unassigned (Removed on 2006-2-06)
mindfilesys	7391/tcp	mind-file system server
mindfilesys	7391/udp	mind-file system server
mrssrendezvous	7392/tcp	mrss-rendezvous server
mrssrendezvous	7392/udp	mrss-rendezvous server

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#                               Dave Porter <porter@mango.com>
nfoldman      7393/tcp      nFoldMan Remote Publish
nfoldman      7393/udp      nFoldMan Remote Publish
#                               Richard McDonald <ve3nvm@spamcop.net> January 2006
fse           7394/tcp      File system export of backup images
fse           7394/udp      File system export of backup images
#                               Weibao Wu <weibao_wu@symantec.com> April 2006
wingedit      7395/tcp      wingedit
wingedit      7395/udp      wingedit
#                               David Greer <david_greer@robelle.com>
#                               7396
#                               Unassigned
hexarc        7397/tcp      Hexarc Command Language
hexarc        7397/udp      Hexarc Command Language
#                               George Moromisato <gpm@neurohack.com> November 2004
#                               7398-7399
#                               Unassigned
rtps-discovery 7400/tcp      RTPS Discovery
rtps-discovery 7400/udp      RTPS Discovery
rtps-dd-ut    7401/tcp      RTPS Data-Distribution User-Traffic
rtps-dd-ut    7401/udp      RTPS Data-Distribution User-Traffic
rtps-dd-mt    7402/tcp      RTPS Data-Distribution Meta-Traffic
rtps-dd-mt    7402/udp      RTPS Data-Distribution Meta-Traffic
#                               Gerardo Pardo-Castellote <gerardo.pardo@rti.com>
October 2005
#                               7403-7409
#                               Unassigned
ionixnetmon   7410/tcp      Ionix Network Monitor
ionixnetmon   7410/udp      Ionix Network Monitor
#                               Maxime Deputter <m.deputter@ionixhosting.com> April 2006
#                               7411-7420
#                               Unassigned
mtportmon     7421/tcp      Matisse Port Monitor
mtportmon     7421/udp      Matisse Port Monitor
#                               Didier Cabannes <Didier@matisse.com> November 2004
#                               7422-7425
#                               Unassigned
pmdmgr        7426/tcp      OpenView DM Postmaster Manager
pmdmgr        7426/udp      OpenView DM Postmaster Manager
oveadmgr      7427/tcp      OpenView DM Event Agent Manager
oveadmgr      7427/udp      OpenView DM Event Agent Manager
ovladmgr      7428/tcp      OpenView DM Log Agent Manager
ovladmgr      7428/udp      OpenView DM Log Agent Manager
opi-sock      7429/tcp      OpenView DM rqt communication
opi-sock      7429/udp      OpenView DM rqt communication
xmpv7         7430/tcp      OpenView DM xmpv7 api pipe
xmpv7         7430/udp      OpenView DM xmpv7 api pipe
pmd           7431/tcp      OpenView DM ovc/xmpv3 api pipe
pmd           7431/udp      OpenView DM ovc/xmpv3 api pipe
#                               Dave Lamb <rld@rdl.cnd.hp.com>
faximum       7437/tcp      Faximum
faximum       7437/udp      Faximum
#                               George Pajari <George.Pajari@faximum.com>
#                               7438-7442
#                               Unassigned
oracleas-https 7443/tcp      Oracle Application Server HTTPS
oracleas-https 7443/udp      Oracle Application Server HTTPS
#                               David McMarlin <david.mcmarlin@oracle.com> August 2006
#                               7444-7490
#                               Unassigned
telops-lmd    7491/tcp      telops-lmd
telops-lmd    7491/udp      telops-lmd
#                               David Spencer <dspencer@telops.com>
#                               7492-7499
#                               Unassigned

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silhouette      7500/tcp      Silhouette User
silhouette      7500/udp      Silhouette User
#               Anthony Payne <opayne@pacbell.net> February 2004
ovbus           7501/tcp      HP OpenView Bus Daemon
ovbus           7501/udp      HP OpenView Bus Daemon
#               David M. Rhodes <davidrho@cnd.hp.com>
#               7502-7509      Unassigned
ovhpas          7510/tcp      HP OpenView Application Server
ovhpas          7510/udp      HP OpenView Application Server
#               Jeff Conrad <jeff_conrad@hp.com>
pafec-lm        7511/tcp      pafec-lm
pafec-lm        7511/udp      pafec-lm
#               Billy Dhillon <bdsos@pafec.co.uk>
#               7512-7542      Unassigned
atul            7543/tcp      atul server
atul            7543/udp      atul server
#               Mark Stapp <mjs@cisco.com> January 2006
nta-ds          7544/tcp      FlowAnalyzer DisplayServer
nta-ds          7544/udp      FlowAnalyzer DisplayServer
nta-us          7545/tcp      FlowAnalyzer UtilityServer
nta-us          7545/udp      FlowAnalyzer UtilityServer
#               Fred Messinger <fredm@cisco.com>
cfs             7546/tcp      Cisco Fabric service
cfs             7546/udp      Cisco Fabric service
#               Rituparna Agrawal <riagrawa@cisco.com> September
2005
cwmp            7547/tcp      DSL Forum CWMP
cwmp            7547/udp      DSL Forum CWMP
#               Anton Okmianski <aokmians@cisco.com> January 2006
tidp            7548/tcp      Threat Information Distribution Protocol
tidp            7548/udp      Threat Information Distribution Protocol
#               Chui-Tin Yen <tin@cisco.com> February 2006
nls-tl          7549/tcp      Network Layer Signaling Transport Layer
nls-tl          7549/udp      Network Layer Signaling Transport Layer
#               Melinda Shore <mshore@cisco.com> May 2006
#               7550-7559      Unassigned
sncp            7560/tcp      Sniffer Command Protocol
sncp            7560/udp      Sniffer Command Protocol
#               Dominick Cafarelli
<dominick.cafarelli@networkgeneral.com> August 2005
#               7561-7565      Unassigned
vsi-omega       7566/tcp      VSI Omega
vsi-omega       7566/udp      VSI Omega
#               Curtis Smith <curtis.smith@vsin.com>
#               7567-7569      Unassigned
aries-kfinder   7570/tcp      Aries Kfinder
aries-kfinder   7570/udp      Aries Kfinder
#               James King, III <jking@ariessys.com>
#               7571-7587      Unassigned
sun-lm          7588/tcp      Sun License Manager
sun-lm          7588/udp      Sun License Manager
#               Sophie Deng <Sophie.Deng@Eng.Sun.COM>
#               7589-7623      Unassigned
indi            7624/tcp      Instrument Neutral Distributed Interface
indi            7624/udp      Instrument Neutral Distributed Interface
#               Elwood Downey <ecdowney@clearskyinstitute.com>
April 2002

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#           7625           Unassigned
simco      7626/tcp       SImple Middlebox COnfiguration (SIMCO) Server
#           RFC4540
#           7626/udp       De-registered (30 January 2006)
simco      7626/sctp      SImple Middlebox COnfiguration (SIMCO)
#           Sebastian Kiesel <kiesel@ikr.uni-stuttgart.de> January
2006
soap-http  7627/tcp       SOAP Service Port
soap-http  7627/udp       SOAP Service Port
#           Donald Dylla <donald.dylla@hp.com> December 2004
zen-pawn   7628/tcp       Primary Agent Work Notification
zen-pawn   7628/udp       Primary Agent Work Notification
#           Ty Ellis <tellis@novell.com> May 2006
xdas       7629/tcp       OpenXDAS Wire Protocol
xdas       7629/udp       OpenXDAS Wire Protocol
#           John Calcote <jcalcote@novell.com> October 2006
#           7630-7632       Unassigned
pmdfmgt    7633/tcp       PMDF Management
pmdfmgt    7633/udp       PMDF Management
#           Hunter Goatley <goathunter@goatley.com>
#           7634-7647       Unassigned
cuseeme    7648/tcp       bonjour-cuseeme
cuseeme    7648/udp       bonjour-cuseeme
#           Marc Manthey <codewarrior@cuseeme.de> July 2006
#           7649-7673       Unassigned
imqtunnels 7674/tcp       iMQ SSL tunnel
imqtunnels 7674/udp       iMQ SSL tunnel
imqtunnel  7675/tcp       iMQ Tunnel
imqtunnel  7675/udp       iMQ Tunnel
#           Shailesh S. Bavadekar <shailesh.bavadekar@sun.com>
April 2002
imqbrokerd 7676/tcp       iMQ Broker Rendezvous
imqbrokerd 7676/udp       iMQ Broker Rendezvous
#           Joseph Di Pol <joe.dipol@sun.com> April 2002
sun-user-https 7677/tcp       Sun App Server - HTTPS
sun-user-https 7677/udp       Sun App Server - HTTPS
#           Abhijit Kumar <as-iana-ports@sun.com> November 2005
#           7678-7688       Unassigned
collaber   7689/tcp       Collaber Network Service
collaber   7689/udp       Collaber Network Service
#           Rajesh Akkineni <rajesh@vimukti.com> January 2007
#           7690-7696       Unassigned
klio       7697/tcp       KLIO communications
klio       7697/udp       KLIO communications
#           Helmut Giritzer <helmut.giritzer@o.rokeskreuz.at>
August 2005
#           7698-7706       Unassigned
sync-em7   7707/tcp       EM7 Dynamic Updates
sync-em7   7707/udp       EM7 Dynamic Updates
#           Christopher Cordray <ccordray@sciencelogic.com>
November 2004
scinet     7708/tcp       scientia.net
scinet     7708/udp       scientia.net
#           Christoph Anton Mitterer <calestyo@scientia.net> January
2006
#           7709-7719       Unassigned
medimageportal 7720/tcp       MedImage Portal

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medimageportal	7720/udp	MedImage Portal
#		Ken Hornak <ken_hornak@medimage.com> October 2003
#	7721-7724	Unassigned
nitrogen	7725/tcp	Nitrogen Service
nitrogen	7725/udp	Nitrogen Service
#		Randy Lomnes <rlomnes@faronics.com> November 2004
freezexservice	7726/tcp	FreezeX Console Service
freezexservice	7726/udp	FreezeX Console Service
#		David Crowe <dcrowe@faronics.com> June 2005
trident-data	7727/tcp	Trident Systems Data
trident-data	7727/udp	Trident Systems Data
#		Jeremy McClintock <jeremy@tridsys.com> August 2005
#	7728-7737	Unassigned
aiagent	7738/tcp	HP Enterprise Discovery Agent
aiagent	7738/udp	HP Enterprise Discovery Agent
#		Matthew Darwin <matthew.darwin@hp.com> August 2005
#	7739-7742	Unassigned
sstp-1	7743/tcp	Sakura Script Transfer Protocol
sstp-1	7743/udp	Sakura Script Transfer Protocol
#		Kouichi Takeda <KHB05271@nifty.com>
raqmon-pdu	7744/tcp	RAQMON PDU
raqmon-pdu	7744/udp	RAQMON PDU
#		RFC4712
#	7745-7776	Unassigned
cbt	7777/tcp	cbt
cbt	7777/udp	cbt
#		Tony Ballardie <A.Ballardie@cs.ucl.ac.uk>
interwise	7778/tcp	Interwise
interwise	7778/udp	Interwise
#		Joseph Gray <gray@interwise.co.il>
vstat	7779/tcp	VSTAT
vstat	7779/udp	VSTAT
#		Vinh Nguyn <vinh@sportvision.com>
#	7780	Unassigned
accu-lmgr	7781/tcp	accu-lmgr
accu-lmgr	7781/udp	accu-lmgr
#		Moises E. Hernandez <moises@accugraph.com>
#	7782-7785	Unassigned
minivend	7786/tcp	MINIVEND
minivend	7786/udp	MINIVEND
#		Mike Heins <mike@minivend.com>
popup-reminders	7787/tcp	Popup Reminders Receive
popup-reminders	7787/udp	Popup Reminders Receive
#		Robert Harvey <robert@officetoolspro.com> January 2006
#	7788	Unassigned
office-tools	7789/tcp	Office Tools Pro Receive
office-tools	7789/udp	Office Tools Pro Receive
#		Robert Harvey <robert@officetoolspro.com> January 2006
#	7790-7793	Unassigned
q3ade	7794/tcp	Q3ADE Cluster Service
q3ade	7794/udp	Q3ADE Cluster Service
#		Uffe Harksen <uh@uhcommunications.com> August 2005
#	7795-7796	Unassigned
pnet-conn	7797/tcp	Propel Connector port
pnet-conn	7797/udp	Propel Connector port
pnet-enc	7798/tcp	Propel Encoder port
pnet-enc	7798/udp	Propel Encoder port

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#                               Leif Hedstrom <leif@propel.com> April 2002
#                               7799                               Unassigned
asr          7800/tcp           Apple Software Restore
asr          7800/udp           Apple Software Restore
#                               Jim Kateley <asr-dev@group.apple.com> January 2006
ssp-client  7801/tcp           Secure Server Protocol - client
ssp-client  7801/udp           Secure Server Protocol - client
#                               Rick Macchio <rmacchio@juniper.net> November 2006
#                               7802-7844                       Unassigned
apc-7845    7845/tcp           APC 7845
apc-7845    7845/udp           APC 7845
apc-7846    7846/tcp           APC 7846
apc-7846    7846/udp           APC 7846
#                               American Power Conversion <ports@apcc.com>
#                               7847-7886                       Unassigned
ubroker     7887/tcp           Universal Broker
ubroker     7887/udp           Universal Broker
#                               Nathan Hammond <nathan.hammond@stonebranch.com>
October 2005
#                               7888-7899                       Unassigned
mevent      7900/tcp           Multicast Event
mevent      7900/udp           Multicast Event
#                               YoonSoo Kim <ys71.kim@samsung.com> May 2006
tnos-sp     7901/tcp           TNOS Service Protocol
tnos-sp     7901/udp           TNOS Service Protocol
tnos-dp     7902/tcp           TNOS DiaguardProtocol
tnos-dp     7902/udp           TNOS DiaguardProtocol
tnos-dps    7903/tcp           TNOS Secure DiaguardProtocol
tnos-dps    7903/udp           TNOS Secure DiaguardProtocol
#                               Marcel Lanz <marcel.lanz@adasoft.ch> August 2005
#                               7904-7912                       Unassigned
qo-secure   7913/tcp           QuickObjects secure port
qo-secure   7913/udp           QuickObjects secure port
#                               Jonas Bovin <jonas.bovin@quickobjects.com>
#                               7914-7931                       Unassigned
t2-drm      7932/tcp           Tier 2 Data Resource Manager
t2-drm      7932/udp           Tier 2 Data Resource Manager
t2-brm      7933/tcp           Tier 2 Business Rules Manager
t2-brm      7933/udp           Tier 2 Business Rules Manager
#                               Peter Carlson <pcarlson@tier2.com>
#                               7934-7966                       Unassigned
supercell   7967/tcp           Supercell
supercell   7967/udp           Supercell
#                               Kevin Nakagawa <nakagawa@sigsci.com>
#                               7968-7978                       Unassigned
micromuse-ncps 7979/tcp           Micromuse-ncps
micromuse-ncps 7979/udp           Micromuse-ncps
#                               Hing Wing To <wing.to@mircromuse.com>
quest-vista 7980/tcp           Quest Vista
quest-vista 7980/udp           Quest Vista
#                               Preston Bannister <pbannister@quests.com>
#                               7981-7998                       Unassigned
irdmi2     7999/tcp           iRDMI2
irdmi2     7999/udp           iRDMI2
irdmi      8000/tcp           iRDMI
irdmi      8000/udp           iRDMI
#                               Gil Shafriri <shafriri@ilccml.iil.intel.com>

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vcom-tunnel      8001/tcp      VCOM Tunnel
vcom-tunnel      8001/udp      VCOM Tunnel
#                Mark Lewandowski <mlewan0@us.ibm.com>
teradataordbms  8002/tcp      Teradata ORDBMS
teradataordbms  8002/udp      Teradata ORDBMS
#                Curt Ellmann <curt.ellmann@ncr.com>
#                8003-8007      Unassigned
http-alt        8008/tcp      HTTP Alternate
http-alt        8008/udp      HTTP Alternate
#                James Gettys <jg@w3.org>
#                8009-8019      Unassigned
intu-ec-svcdisc 8020/tcp      Intuit Entitlement Service and Discovery
intu-ec-svcdisc 8020/udp      Intuit Entitlement Service and Discovery
intu-ec-client  8021/tcp      Intuit Entitlement Client
intu-ec-client  8021/udp      Intuit Entitlement Client
#                Daniel C. McGloin <daniel_mcgloin@intuit.com> May
2005
oa-system       8022/tcp      oa-system
oa-system       8022/udp      oa-system
#                Marie-France Dubreuil <Marie-
France.Dubreuil@evidian.com>
#                8023-8024      Unassigned
ca-audit-da     8025/tcp      CA Audit Distribution Agent
ca-audit-da     8025/udp      CA Audit Distribution Agent
ca-audit-ds     8026/tcp      CA Audit Distribution Server
ca-audit-ds     8026/udp      CA Audit Distribution Server
#                Henning Smith <henning.smith@ca.com> July 2006
#                8027-8031      Unassigned
pro-ed          8032/tcp      ProEd
pro-ed          8032/udp      ProEd
mindprint       8033/tcp      MindPrint
mindprint       8033/udp      MindPrint
#                Larry Tusoni <larry@goldrush.com>
#                8034-8051      Unassigned
senomix01      8052/tcp      Senomix Timesheets Server
senomix01      8052/udp      Senomix Timesheets Server
senomix02      8053/tcp      Senomix Timesheets Client [1 year assignment]
senomix02      8053/udp      Senomix Timesheets Client [1 year assignment]
senomix03      8054/tcp      Senomix Timesheets Server [1 year assignment]
senomix03      8054/udp      Senomix Timesheets Server [1 year assignment]
senomix04      8055/tcp      Senomix Timesheets Server [1 year assignment]
senomix04      8055/udp      Senomix Timesheets Server [1 year assignment]
senomix05      8056/tcp      Senomix Timesheets Server [1 year assignment]
senomix05      8056/udp      Senomix Timesheets Server [1 year assignment]
senomix06      8057/tcp      Senomix Timesheets Client [1 year assignment]
senomix06      8057/udp      Senomix Timesheets Client [1 year assignment]
senomix07      8058/tcp      Senomix Timesheets Client [1 year assignment]
senomix07      8058/udp      Senomix Timesheets Client [1 year assignment]
senomix08      8059/tcp      Senomix Timesheets Client [1 year assignment]
senomix08      8059/udp      Senomix Timesheets Client [1 year assignment]
#                Charles O'Dale <codale@hfx.andara.com> July 2006
#                8060-8073      Unassigned
gadugadu       8074/tcp      Gadu-Gadu
gadugadu       8074/udp      Gadu-Gadu
#                Marcin Gozdzalik <gozdzalik@gadu-gadu.pl> May 2006
#                8075-8079      Unassigned
http-alt        8080/tcp      HTTP Alternate (see port 80)

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http-alt    8080/udp    HTTP Alternate (see port 80)
#           Stephen Casner <casner@precpt.com>
sunproxyadmin 8081/tcp    Sun Proxy Admin Service
sunproxyadmin 8081/udp    Sun Proxy Admin Service
#           Arvind Srinivasan <arvind.srinivasan@sun.com>
August 2005
us-cli      8082/tcp    Utilistor (Client)
us-cli      8082/udp    Utilistor (Client)
us-srv      8083/tcp    Utilistor (Server)
us-srv      8083/udp    Utilistor (Server)
#           Andy Brewerton <andy.brewerton@otium.co.uk> August
2005
#           8084-8087    Unassigned
radan-http  8088/tcp    Radan HTTP
radan-http  8088/udp    Radan HTTP
#           Steve Hay <Steve.Hay@uk.radan.com> April 2002
#           8089-8096    Unassigned
sac         8097/tcp    SAC Port Id
sac         8097/udp    SAC Port Id
#           Girish Bhat <gbhat@cranite.com> April 2006
#           8098-8099    Unassigned
xprint-server 8100/tcp    Xprint Server
xprint-server 8100/udp    Xprint Server
#           John McKernan <John.McKernan@sun.com>
#           8101-8114    Unassigned
mtl8000-matrix 8115/tcp    MTL8000 Matrix
mtl8000-matrix 8115/udp    MTL8000 Matrix
#           David Pinch <dpinch@mtl-inst.com> April 2002
cp-cluster   8116/tcp    Check Point Clustering
cp-cluster   8116/udp    Check Point Clustering
#           Roni Moshitzky <rmosh@checkpoint.com>
#           8117          Unassigned
privoxy      8118/tcp    Privoxy HTTP proxy
privoxy      8118/udp    Privoxy HTTP proxy
#           Andreas Oesterhelt <oes@privoxy.org> June 2002
#           8119-8120    Unassigned
apollo-data  8121/tcp    Apollo Data Port
apollo-data  8121/udp    Apollo Data Port
#           Anthony Carrabino <anthony@vistasoftware.com>
August 2003
apollo-admin 8122/tcp    Apollo Admin Port
apollo-admin 8122/udp    Apollo Admin Port
#           Anthony Carrabino <anthony@vistasoftware.com>
August 2003
#           8123-8127    Unassigned
paycash-online 8128/tcp    PayCash Online Protocol
paycash-online 8128/udp    PayCash Online Protocol
paycash-wbp    8129/tcp    PayCash Wallet-Browser
paycash-wbp    8129/udp    PayCash Wallet-Browser
#           MegaZone <megazone@paycash.us> August 2005
indigo-vrmi   8130/tcp    INDIGO-VRMI
indigo-vrmi   8130/udp    INDIGO-VRMI
indigo-vbcp   8131/tcp    INDIGO-VBCP
indigo-vbcp   8131/udp    INDIGO-VBCP
#           Colin Caughie <cfc@indigo-avs.com>
dbabble       8132/tcp    dbabble
dbabble       8132/udp    dbabble

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#                               Chris Pugmire <chrisp@netwinsite.com>
#                               8133-8147   Unassigned
isdd                            8148/tcp   i-SDD file transfer
isdd                            8148/udp   i-SDD file transfer
#                               Frank Waarsenburg <frank@eye-display.nl> November
2004
#                               8149-8159   Unassigned
patrol                          8160/tcp   Patrol
patrol                          8160/udp   Patrol
patrol-snmpp                    8161/tcp   Patrol SNMP
patrol-snmpp                    8161/udp   Patrol SNMP
#                               Portnoy Boxman <portnoy_boxman@bmc.com>
#                               8162-8191   Unassigned
spytechphone                   8192/tcp   SpyTech Phone Service
spytechphone                   8192/udp   SpyTech Phone Service
#                               Bill Kay <bkay@spy-tec.com> April 2006
#                               8193       Unassigned
blp1                            8194/tcp   Bloomberg data API
blp1                            8194/udp   Bloomberg data API
blp2                            8195/tcp   Bloomberg feed
blp2                            8195/udp   Bloomberg feed
#                               Albert Hou <ahoul@bloomberg.com> May 2006
#                               8196-8198   Unassigned
vvr-data                       8199/tcp   VVR DATA
vvr-data                       8199/udp   VVR DATA
#                               Ming Xu <ming@veritas.com>
trivnet1                       8200/tcp   TRIVNET
trivnet1                       8200/udp   TRIVNET
trivnet2                       8201/tcp   TRIVNET
trivnet2                       8201/udp   TRIVNET
#                               Saar Wilf <saar@trivnet.com>
#                               8202-8203   Unassigned
lm-perfworks                   8204/tcp   LM Perfworks
lm-perfworks                   8204/udp   LM Perfworks
lm-instmgr                    8205/tcp   LM Instmgr
lm-instmgr                    8205/udp   LM Instmgr
lm-dta                        8206/tcp   LM Dta
lm-dta                        8206/udp   LM Dta
lm-sserver                    8207/tcp   LM SServer
lm-sserver                    8207/udp   LM SServer
lm-webwatcher                 8208/tcp   LM Webwatcher
lm-webwatcher                 8208/udp   LM Webwatcher
#                               Chris Flynn <cflynn@landmark.com>
#                               8209-8229   Unassigned
rexecj                         8230/tcp   RexecJ Server
rexecj                         8230/udp   RexecJ Server
#                               Curtiss Howard <cjhoward@unity.ncsu.edu> November
2004
#                               8231-8291   Unassigned
blp3                            8292/tcp   Bloomberg professional
blp3                            8292/udp   Bloomberg professional
#                               8293       Unassigned
blp4                            8294/tcp   Bloomberg intelligent client
blp4                            8294/udp   Bloomberg intelligent client
#                               Albert Hou <ahoul@bloomberg.com> May 2006
#                               8295-8299   Unassigned
tmi                            8300/tcp   Transport Management Interface

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tmi          8300/udp      Transport Management Interface
#           Steve Kneizys <skneizys@erpdata.com> November 2006
amberon      8301/tcp      Amberon PPC/PPS
amberon      8301/udp      Amberon PPC/PPS
#           Ronald Snyder <pugaroni@sssnet.com> March 2006
#           8302-8350      Unassigned
server-find  8351/tcp      Server Find
server-find  8351/udp      Server Find
#           Chris Brown <chrisb@chancery.com>
#           8352-8375      Unassigned
cruise-enum 8376/tcp      Cruise ENUM
cruise-enum 8376/udp      Cruise ENUM
cruise-swroute 8377/tcp      Cruise SWROUTE
cruise-swroute 8377/udp      Cruise SWROUTE
cruise-config 8378/tcp      Cruise CONFIG
cruise-config 8378/udp      Cruise CONFIG
cruise-diags  8379/tcp      Cruise DIAGS
cruise-diags  8379/udp      Cruise DIAGS
cruise-update 8380/tcp      Cruise UPDATE
cruise-update 8380/udp      Cruise UPDATE
#           Steve Husak <portmaster@cruisetech.com>
#           8381-8382      Unassigned
m2mservices 8383/tcp      M2m Services
m2mservices 8383/udp      M2m Services
#           Carlos Arteaga <carteaga@adelphia.net> November
2004
#           8384-8399      Unassigned
cvd          8400/tcp      cvd
cvd          8400/udp      cvd
sabarsd      8401/tcp      sabarsd
sabarsd      8401/udp      sabarsd
abarsd       8402/tcp      abarsd
abarsd       8402/udp      abarsd
admind       8403/tcp      admind
admind       8403/udp      admind
#           Aaron Bilbrey <abilbrey@commvault.com>
#           8404-8415      Unassigned
espeech      8416/tcp      eSpeech Session Protocol
espeech      8416/udp      eSpeech Session Protocol
#           Scott Tarone <starone@proactivethought.com>
November 2002
espeech-rtp  8417/tcp      eSpeech RTP Protocol
espeech-rtp  8417/udp      eSpeech RTP Protocol
#           Scott Tarone <starone@proactivethought.com> April
2003
#           8418-8442      Unassigned
pcsync-https 8443/tcp      PCsync HTTPS
pcsync-https 8443/udp      PCsync HTTPS
pcsync-http  8444/tcp      PCsync HTTP
pcsync-http  8444/udp      PCsync HTTP
#           Katy Lynn McCullough <KatyM@LapLink.com>
#           8445-8449      Unassigned
npmp         8450/tcp      npmp
npmp         8450/udp      npmp
#           Ian Chard <ian@tanagra.demon.co.uk>
#           8451-8472      Unassigned
vp2p         8473/tcp      Virtual Point to Point

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vp2p	8473/udp	Virtual Point to Point
#		Jerome Grimbert <jerome.grimbert@atosorigin.com>
noteshare	8474/tcp	AquaMinds NoteShare
noteshare	8474/udp	AquaMinds NoteShare
#		Michael McNabb <michael@aquaminds.com> October 2005
#	8475-8499	Unassigned
fntp	8500/tcp	Flight Message Transfer Protocol
fntp	8500/udp	Flight Message Transfer Protocol
#		Eivan Cerasi <eivan.cerasi@eurocontrol.int>
December 2003		
#	8501-8553	Unassigned
rtsp-alt	8554/tcp	RTSP Alternate (see port 554)
rtsp-alt	8554/udp	RTSP Alternate (see port 554)
#		Stephen Casner <casner@precept.com>
d-fence	8555/tcp	SYMAX D-FENCE
d-fence	8555/udp	SYMAX D-FENCE
#		Thomas Geisel <tgeisel@symax.de> January 2003
#	8556-8566	Unassigned
oap-admin	8567/tcp	Object Access Protocol Administration
oap-admin	8567/udp	Object Access Protocol Administration
#		Bryant Eastham <protocols@slc.mew.com> August 2005
#	8568-8599	Unassigned
asterix	8600/tcp	Surveillance Data
asterix	8600/udp	Surveillance Data
#		Eivan Cerasi <eivan.cerasi@eurocontrol.int>
November 2005		
#	8601-8610	Unassigned
canon-bjnp1	8611/tcp	Canon BJNP Port 1
canon-bjnp1	8611/udp	Canon BJNP Port 1
#		Atsushi Nakamura <nakamura.atsushi318@canon.co.jp>
November 2003		
canon-bjnp2	8612/tcp	Canon BJNP Port 2
canon-bjnp2	8612/udp	Canon BJNP Port 2
#		Atsushi Nakamura <nakamura.atsushi318@canon.co.jp>
November 2003		
canon-bjnp3	8613/tcp	Canon BJNP Port 3
canon-bjnp3	8613/udp	Canon BJNP Port 3
#		Atsushi Nakamura <nakamura.atsushi318@canon.co.jp>
November 2003		
canon-bjnp4	8614/tcp	Canon BJNP Port 4
canon-bjnp4	8614/udp	Canon BJNP Port 4
#		Atsushi Nakamura <nakamura.atsushi318@canon.co.jp>
November 2003		
#	8615-8685	Unassigned
sun-as-jmxrmi	8686/tcp	Sun App Server - JMX/RMI
sun-as-jmxrmi	8686/udp	Sun App Server - JMX/RMI
#		Abhijit Kumar <as-iana-ports@sun.com> November 2005
#	8687-8698	Unassigned
vnyx	8699/tcp	VNYX Primary Port
vnyx	8699/udp	VNYX Primary Port
#		Gregg Green <legal@vnyx.net> November 2004
#	8700-8732	Unassigned
ibus	8733/tcp	iBus
ibus	8733/udp	iBus
#		Silvano Maffeis <maffeis@softwired.ch>
#	8734-8762	Unassigned
mc-appserver	8763/tcp	MC-APPSERVER

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mc-appserver      8763/udp      MC-APPSERVER
#                8763/udp      Romeo Kasanwidjojo <romeo@microcomgroup.com>
openqueue        8764/tcp      OPENQUEUE
openqueue        8764/udp      OPENQUEUE
#                8764/udp      Matt Jensen <mattj@newsblip.com>
ultraseek-http   8765/tcp      Ultraseek HTTP
ultraseek-http   8765/udp      Ultraseek HTTP
#                8765/udp      Walter Underwood <wunder@infoseek.com>
#                8766-8769 Unassigned
dpap             8770/tcp      Digital Photo Access Protocol
dpap             8770/udp      Digital Photo Access Protocol
#                8770/udp      Amandeep Jawa <dpap@apple.com> November 2004
#                8771-8785 Unassigned
msgclnt         8786/tcp      Message Client
msgclnt         8786/udp      Message Client
msgsrvr         8787/tcp      Message Server
msgsrvr         8787/udp      Message Server
#                8787/udp      Michael O'Brien <mobrien02@comcast.net> March 2003
#                8788-8799 Unassigned
sunwebadmin     8800/tcp      Sun Web Server Admin Service
sunwebadmin     8800/udp      Sun Web Server Admin Service
#                8800/udp      Jyri J. Virkki <jyri.virkki@sun.com> December 2005
#                8801-8803 Unassigned
truecm          8804/tcp      truecm
truecm          8804/udp      truecm
#                8804/udp      Scott Kramer <scottk@truebluesoftware.com>
#                8805-8872 Unassigned
dxspider        8873/tcp      dxspider linking protocol
dxspider        8873/udp      dxspider linking protocol
#                8873/udp      Dirk Koopman <djk@tobit.co.uk> August 2005
#                8874-8879 Unassigned
cddb-alt        8880/tcp      CDDBP
cddb-alt        8880/udp      CDDBP
#                8880/udp      Steve Scherf <steve@moonsoft.com>
#                8881-8887 Unassigned
ddi-tcp-1       8888/tcp      NewsEDGE server TCP (TCP 1)
ddi-udp-1       8888/udp      NewsEDGE server UDP (UDP 1)
ddi-tcp-2       8889/tcp      Desktop Data TCP 1
ddi-udp-2       8889/udp      NewsEDGE server broadcast
ddi-tcp-3       8890/tcp      Desktop Data TCP 2
ddi-udp-3       8890/udp      NewsEDGE client broadcast
ddi-tcp-4       8891/tcp      Desktop Data TCP 3: NESS application
ddi-udp-4       8891/udp      Desktop Data UDP 3: NESS application
ddi-tcp-5       8892/tcp      Desktop Data TCP 4: FARM product
ddi-udp-5       8892/udp      Desktop Data UDP 4: FARM product
ddi-tcp-6       8893/tcp      Desktop Data TCP 5: NewsEDGE/Web application
ddi-udp-6       8893/udp      Desktop Data UDP 5: NewsEDGE/Web application
ddi-tcp-7       8894/tcp      Desktop Data TCP 6: COAL application
ddi-udp-7       8894/udp      Desktop Data UDP 6: COAL application
#                8894/udp      Fred Yao <Fred_Yao@DDIGATE2.desktopdata.com>
#                8895-8899 Unassigned
jmb-cds1        8900/tcp      JMB-CDS 1
jmb-cds1        8900/udp      JMB-CDS 1
jmb-cds2        8901/tcp      JMB-CDS 2
jmb-cds2        8901/udp      JMB-CDS 2
#                8901/udp      Curtis Bray <CurtisB@creativdesign.com>
#                8902-8909 Unassigned

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manyone-http	8910/tcp	manyone-http
manyone-http	8910/udp	manyone-http
manyone-xml	8911/tcp	manyone-xml
manyone-xml	8911/udp	manyone-xml
#		Matt King <m@manyone.net> April 2002
wcbakup	8912/tcp	Windows Client Backup
wcbakup	8912/udp	Windows Client Backup
#		Jim Lyon <JimLyon@Microsoft.Com> November 2005
dragonfly	8913/tcp	Dragonfly System Service
dragonfly	8913/udp	Dragonfly System Service
#		Paul Hodara <phodara@netwave.com> November 2005
#	8914-8953	Unassigned
cumulus-admin	8954/tcp	Cumulus Admin Port
cumulus-admin	8954/udp	Cumulus Admin Port
#		Thomas Schleu <ttschleu@canto.de>
#	8955-8988	Unassigned
sunwebadmins	8989/tcp	Sun Web Server SSL Admin Service
sunwebadmins	8989/udp	Sun Web Server SSL Admin Service
#		Jyri J. Virkki <jyri.virkki@sun.com> December 2005
#	8990-8998	Unassigned
bctp	8999/tcp	Brodos Crypto Trade Protocol
bctp	8999/udp	Brodos Crypto Trade Protocol
#		Alexander Sahler <alexander.sahler@brodos.de>
February 2002		
cslistener	9000/tcp	CSlistener
cslistener	9000/udp	CSlistener
#		David Jones <djones@cincom.com>
etlservicemgr	9001/tcp	ETL Service Manager
etlservicemgr	9001/udp	ETL Service Manager
#		Stephen McCrea <smccrea@etlelectronique.com> March
2002		
dynamid	9002/tcp	DynamID authentication
dynamid	9002/udp	DynamID authentication
#		Jerome Dusautois <jdusautois@scrypto.fr> March 2002
#	9003-9005	Unassigned
#	9006	De-Commissioned Port 02/24/00, ms
#	9007-9008	Unassigned
pichat	9009/tcp	Pichat Server
pichat	9009/udp	Pichat Server
#		Mark Seuffert <captain2004@pirate.de> November 2004
#	9010-9019	Unassigned
tambora	9020/tcp	TAMBORA
tambora	9020/udp	TAMBORA
#		Jason van Zyl <jvanzyl@zenplex.com> March 2002
panagolin-ident	9021/tcp	Pangolin Identification
panagolin-ident	9021/udp	Pangolin Identification
#		William Benner <bill@panagolin.com> March 2002
paragent	9022/tcp	PrivateArk Remote Agent
paragent	9022/udp	PrivateArk Remote Agent
#		Gal Cucuy <galc@cyber-ark.com> March 2002
swa-1	9023/tcp	Secure Web Access - 1
swa-1	9023/udp	Secure Web Access - 1
swa-2	9024/tcp	Secure Web Access - 2
swa-2	9024/udp	Secure Web Access - 2
swa-3	9025/tcp	Secure Web Access - 3
swa-3	9025/udp	Secure Web Access - 3
swa-4	9026/tcp	Secure Web Access - 4

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swa-4          9026/udp      Secure Web Access - 4
#              #              Tim McGranaghan <tim_mcgranaghan@mech.disa.mil>
#              #              9027-9079      Unassigned
glrpc          9080/tcp      Groove GLRPC
glrpc          9080/udp      Groove GLRPC
#              #              Adrian Popescu <Adrian_Popescu@groove.net>
September 2002
#              #              9081-9086      Unassigned
classic        9087/tcp      Classic Data Server
classic        9087/udp      Classic Data Server
#              #              Paul Cadarette <pcadaret@us.ibm.com> January 2007
sqlxec         9088/tcp      IBM Informix SQL Interface
sqlxec         9088/udp      IBM Informix SQL Interface
sqlxec-ssl     9089/tcp      IBM Informix SQL Interface - Encrypted
sqlxec-ssl     9089/udp      IBM Informix SQL Interface - Encrypted
#              #              Jonathan Leffler <jleffler@us.ibm.com> December
2005
websm          9090/tcp      WebSM
websm          9090/udp      WebSM
#              #              I-Hsing Tsao <itsao@austin.ibm.com>
xmltec-xmlmail 9091/tcp      xmltec-xmlmail
xmltec-xmlmail 9091/udp      xmltec-xmlmail
#              #              Mitch Kaufman <mk@weconnectyou.com>
XmlIpcRegSvc   9092/tcp      Xml-Ipc Server Reg
XmlIpcRegSvc   9092/udp      Xml-Ipc Server Reg
#              #              Casey Harrington <charrington@isxinc.com> January
2006
#              #              9093-9099      Unassigned
hp-pdl-datastr 9100/tcp      PDL Data Streaming Port
hp-pdl-datastr 9100/udp      PDL Data Streaming Port
#              #              Shivaun Albright <shivaun_albright@hp.com> April
2002
#### The protocol name "pdl-datastream" is primarily registered for use ####
#### in DNS SRV records (RFC 2782). DNS SRV records allow a protocol to run on
####
#### any port number, but the default port for this protocol is 9100 ####.
pdl-datastream 9100/tcp      Printer PDL Data Stream
pdl-datastream 9100/udp      Printer PDL Data Stream
#              #              Stuart Cheshire <pdl-datastream@apple.com>
September 2002
bacula-dir     9101/tcp      Bacula Director
bacula-dir     9101/udp      Bacula Director
bacula-fd      9102/tcp      Bacula File Daemon
bacula-fd      9102/udp      Bacula File Daemon
bacula-sd      9103/tcp      Bacula Storage Daemon
bacula-sd      9103/udp      Bacula Storage Daemon
#              #              Kern Sibbald <kern@sibbald.com> January 2002
peerwire       9104/tcp      PeerWire
peerwire       9104/udp      PeerWire
#              #              Steven Gerhardt <sgerhardt@ixiononline.com>
February 2004
#              #              9105-9118      Unassigned
mxit           9119/tcp      MXit Instant Messaging
mxit           9119/udp      MXit Instant Messaging
#              #              Marnus Freeman <marnus@swistgroup.com> February 2006
#              #              9120-9130      Unassigned
ddd           9131/tcp      Dynamic Device Discovery

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dddp          9131/udp    Dynamic Device Discovery
#             Shane Dick <shane.dick@amx.com> August 2005
#             9132-9159  Unassigned
netlock1     9160/tcp    NetLOCK1
netlock1     9160/udp    NetLOCK1
netlock2     9161/tcp    NetLOCK2
netlock2     9161/udp    NetLOCK2
netlock3     9162/tcp    NetLOCK3
netlock3     9162/udp    NetLOCK3
netlock4     9163/tcp    NetLOCK4
netlock4     9163/udp    NetLOCK4
netlock5     9164/tcp    NetLOCK5
netlock5     9164/udp    NetLOCK5
#             Steven Sawkins <ssawkins@netlock.com>
#             9165-9190  Unassigned
sun-as-jpda  9191/tcp    Sun AppSvr JPDA
sun-as-jpda  9191/udp    Sun AppSvr JPDA
#             Abhijit Kumar <as-iana-ports@sun.com> November 2005
#             9192-9199  Unassigned
wap-wsp      9200/tcp    WAP connectionless session service
wap-wsp      9200/udp    WAP connectionless session service
wap-wsp-wtp  9201/tcp    WAP session service
wap-wsp-wtp  9201/udp    WAP session service
wap-wsp-s    9202/tcp    WAP secure connectionless session service
wap-wsp-s    9202/udp    WAP secure connectionless session service
wap-wsp-wtp-s 9203/tcp    WAP secure session service
wap-wsp-wtp-s 9203/udp    WAP secure session service
wap-vcard    9204/tcp    WAP vCard
wap-vcard    9204/udp    WAP vCard
wap-vcal     9205/tcp    WAP vCal
wap-vcal     9205/udp    WAP vCal
wap-vcard-s  9206/tcp    WAP vCard Secure
wap-vcard-s  9206/udp    WAP vCard Secure
wap-vcal-s   9207/tcp    WAP vCal Secure
wap-vcal-s   9207/udp    WAP vCal Secure
#             WAP Forum <wap-feedback@mail.wapforum.org>
#             WAP Forum <pg@uplanet.com>
rjcdb-vcards 9208/tcp    rjcdb vCard
rjcdb-vcards 9208/udp    rjcdb vCard
#             Robert John Churchill <rjc@rjcdb.com> January 2006
almobile-system 9209/tcp    ALMobile System Service
almobile-system 9209/udp    ALMobile System Service
#             Rob Graber <r.graber@austinlane.com> January 2006
oma-mlp      9210/tcp    OMA Mobile Location Protocol
oma-mlp      9210/udp    OMA Mobile Location Protocol
oma-mlp-s    9211/tcp    OMA Mobile Location Protocol Secure
oma-mlp-s    9211/udp    OMA Mobile Location Protocol Secure
#             Hans Rohnert <hans.rohnert@siemens.com> April 2002
serverviewdbms 9212/tcp    Server View dbms access
serverviewdbms 9212/udp    Server View dbms access
#             Wolfgang Raith <wolfgang.raith@fujitsu-siemens.com>
January 2005
serverstart   9213/tcp    ServerStart RemoteControl
serverstart   9213/udp    ServerStart RemoteControl
#             Guenther Kroenert <Guenther.Kroenert@fujitsu-
siemens.com> August 2005
ipdcsgbs     9214/tcp    IPDC ESG BootstrapService

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ipdcesgbs      9214/udp      IPDC ESG BootstrapService
#              Joerg Heuer <Joerg.Heuer@siemens.com> February 2006
insis          9215/tcp      Integrated Setup and Install Service
insis          9215/udp      Integrated Setup and Install Service
#              Markus Treinen <markus.treinen@siemens.com> February 2006
acme           9216/tcp      Aionex Communication Management Engine
acme           9216/udp      Aionex Communication Management Engine
#              Mark Sapp <mark.sapp@aionex.com> April 2006
fsc-port      9217/tcp      FSC Communication Port
fsc-port      9217/udp      FSC Communication Port
#              Teijo Mustonen <Teijo.Mustonen@F-Secure.com> March
2002
#              9218-9221  Unassigned
teamcoherence 9222/tcp      QSC Team Coherence
teamcoherence 9222/udp      QSC Team Coherence
#              Ewan McNab <ewan@qsc.co.uk> November 2004
#              9223-9280  Unassigned
swtp-port1    9281/tcp      SofaWare transport port 1
swtp-port1    9281/udp      SofaWare transport port 1
swtp-port2    9282/tcp      SofaWare transport port 2
swtp-port2    9282/udp      SofaWare transport port 2
#              Amir Rapson <rapson@sofaware.com> February 2002
callwaveiam   9283/tcp      CallWaveIAM
callwaveiam   9283/udp      CallWaveIAM
#              Colin Kelley <cdk@callwave.com>
visd          9284/tcp      VERITAS Information Serve
visd          9284/udp      VERITAS Information Serve
#              Ravi Tavakely <ravi.tavakely@veritas.com> February
2002
n2h2server    9285/tcp      N2H2 Filter Service Port
n2h2server    9285/udp      N2H2 Filter Service Port
#              Jim Irwin <jirwin@n2h2.com> February 2002
#              9286      Unassigned
cumulus       9287/tcp      Cumulus
cumulus       9287/udp      Cumulus
#              Thomas Schleu <tschleu@canto.de>
#              9288-9291  Unassigned
armtechdaemon 9292/tcp      ArmTech Daemon
armtechdaemon 9292/udp      ArmTech Daemon
#              Rohan Story <rohan@aurema.com>
storview      9293/tcp      StorView Client
storview      9293/udp      StorView Client
#              Ryan Smith <ryans@nstor.com> July 2006
armcenterhttp 9294/tcp      ARMCenter http Service
armcenterhttp 9294/udp      ARMCenter http Service
armcenterhttps 9295/tcp      ARMCenter https Service
armcenterhttps 9295/udp      ARMCenter https Service
#              Eric Thiebaut-George <erict@aurema.com> April 2006
#              9296-9299  Unassigned
vrace         9300/tcp      Virtual Racing Service
vrace         9300/udp      Virtual Racing Service
#              Pete Loeffen, President, Digital Rowing Inc.
<peterl@digitalrowing.com> October 2006
#              9301-9317  Unassigned
secure-ts     9318/tcp      PKIX TimeStamp over TLS
secure-ts     9318/udp      PKIX TimeStamp over TLS
#              Niklas Weiss <n.weiss@d-trust.net> November 2004

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#           9319-9320   Unassigned
guibase    9321/tcp     guibase
guibase    9321/udp     guibase
#           Yutaka Ono <ono@saint.nm.fujitsu.co.jp>
#           9322-9342   Unassigned
mpidcmgr   9343/tcp     MpIdcMgr
mpidcmgr   9343/udp     MpIdcMgr
mphlpdmc   9344/tcp     Mphlpdmc
mphlpdmc   9344/udp     Mphlpdmc
#           Yutaka Ono <ono@saint.nm.fujitsu.co.jp>
#           9345       Unassigned
ctechlicensing 9346/tcp     C Tech Licensing
ctechlicensing 9346/udp     C Tech Licensing
#           Reed Copsey, Jr. <reedc@ctech.com>
#           9347-9373   Unassigned
fjdmimgr   9374/tcp     fjdmimgr
fjdmimgr   9374/udp     fjdmimgr
#           Yutaka Ono <ono@saint.nm.fujitsu.co.jp>
#           9375-9395   Unassigned
fjinvmgr   9396/tcp     fjinvmgr
fjinvmgr   9396/udp     fjinvmgr
mpidcagt   9397/tcp     MpIdcAgt
mpidcagt   9397/udp     MpIdcAgt
#           Yutaka Ono <ono@saint.nm.fujitsu.co.jp>
#           9398-9399   Unassigned
sec-t4net-srv 9400/tcp     Samsung Twain for Network Server
sec-t4net-srv 9400/udp     Samsung Twain for Network Server
sec-t4net-clt 9401/tcp     Samsung Twain for Network Client
sec-t4net-clt 9401/udp     Samsung Twain for Network Client
#           Dongkeun Kim <dongkeun70.kim@samsung.com> February 2007
#           9402-9417   Unassigned
git         9418/tcp     git pack transfer service
git         9418/udp     git pack transfer service
#           Linus Torvalds <torvalds@osdl.org> September 2005
#           9419-9442   Unassigned
tungsten-https 9443/tcp     WSO2 Tungsten HTTPS
tungsten-https 9443/udp     WSO2 Tungsten HTTPS
#           Afkham Azeez <azeez@wso2.com> June 2006
#           9444-9499   Unassigned
ismserver   9500/tcp     ismserver
ismserver   9500/udp     ismserver
#           Ian Gordon <iang@micromuse.co.uk>
#           9501-9534   Unassigned
mngsuite    9535/tcp     Management Suite Remote Control
mngsuite    9535/udp     Management Suite Remote Control
#           Alan Butt <alan.butt@landesk.com>
#           9536-9554   Unassigned
trispen-sra 9555/tcp     Trispen Secure Remote Access
trispen-sra 9555/udp     Trispen Secure Remote Access
#           Jaco Botha <jaco.botha@trispen.com> November 2004
#           9556-9591   Unassigned
ldgateway   9592/tcp     LANDesk Gateway
ldgateway   9592/udp     LANDesk Gateway
#           Alan Butt <alan.butt@landesk.com> March 2006
cba8        9593/tcp     LANDesk Management Agent
cba8        9593/udp     LANDesk Management Agent
#           Alan Butt <alan.butt@landesk.com> November 2004

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msgsys	9594/tcp	Message System
msgsys	9594/udp	Message System
pds	9595/tcp	Ping Discovery Service
pds	9595/udp	Ping Discovery Service
#		Alan Butt <alan.butt@landesk.com>
mercury-disc	9596/tcp	Mercury Discovery
mercury-disc	9596/udp	Mercury Discovery
#		Paul Mclachlan <pmclachlan@mercury.com> November 2005
pd-admin	9597/tcp	PD Administration
pd-admin	9597/udp	PD Administration
#		Duk Loi <dloi@peerdirect.com> November 2005
vscp	9598/tcp	Very Simple Ctrl Protocol
vscp	9598/udp	Very Simple Ctrl Protocol
#		Ake Hedman <akhe@eurosource.se> November 2005
robix	9599/tcp	Robix
robix	9599/udp	Robix
#		Evan Rosen <evan@robix.com> November 2005
micromuse-ncpw	9600/tcp	MICROMUSE-NCPW
micromuse-ncpw	9600/udp	MICROMUSE-NCPW
#		Hing Wing To <wing.to@micromuse.com>
#	9601-9611	Unassigned
streamcomm-ds	9612/tcp	StreamComm User Directory
streamcomm-ds	9612/udp	StreamComm User Directory
#		Brian C. Wiles <brian@streamcomm.com>
#	9613-9699	Unassigned
board-roar	9700/tcp	Board M.I.T. Service
board-roar	9700/udp	Board M.I.T. Service
#		Francesco Rosi <frosi@orenburg.com> January 2006
#	9701-9746	Unassigned
l5nas-parchan	9747/tcp	L5NAS Parallel Channel
l5nas-parchan	9747/udp	L5NAS Parallel Channel
#		Lawrence J. Dickson - Land-5 Corporation
#		<ldickson@land-5.com> March 2002
#	9748-9749	Unassigned
board-voip	9750/tcp	Board M.I.T. Synchronous Collaboration
board-voip	9750/udp	Board M.I.T. Synchronous Collaboration
#		Francesco Rosi <frosi@orenburg.com> January 2006
#	9751-9752	Unassigned
rasadv	9753/tcp	rasadv
rasadv	9753/udp	rasadv
#		Dave Thaler <dthaler@microsoft.com>
#	9754-9761	Unassigned
tungsten-http	9762/tcp	WSO2 Tungsten HTTP
tungsten-http	9762/udp	WSO2 Tungsten HTTP
#		Afkham Azeez <azeez@wso2.com> June 2006
#	9763-9799	Unassigned
davsrc	9800/tcp	WebDav Source Port
davsrc	9800/udp	WebDav Source Port
#		Ethan Fremmen <mindlace@digicool.com>
sstp-2	9801/tcp	Sakura Script Transfer Protocol-2
sstp-2	9801/udp	Sakura Script Transfer Protocol-2
#		Kouichi Takeda <KHB05271@nifty.com>
davsrcs	9802/tcp	WebDAV Source TLS/SSL
davsrcs	9802/udp	WebDAV Source TLS/SSL
#		Rob Isaac <rob@automagic.org> July 2003
#	9803-9874	Unassigned

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sapvl          9875/tcp    Session Announcement v1
sapvl          9875/udp    Session Announcement v1
#              RFC 2974 <ftp://ftp.isi.edu/in-notes/rfc2974.txt>
sd             9876/tcp    Session Director
sd             9876/udp    Session Director
#             Van Jacobson <van@ee.lbl.gov>
#             9877-9887    Unassigned
cyborg-systems 9888/tcp    CYBORG Systems
cyborg-systems 9888/udp    CYBORG Systems
#             Malcolm Graham <Malcolm_Graham@CYBORG.COM>
#             9889-9897    Unassigned
monkeycom      9898/tcp    MonkeyCom
monkeycom      9898/udp    MonkeyCom
#             Yuji Kuwabara <HHG01200@niftyserve.or.jp>
sctp-tunneling 9899/tcp    SCTP TUNNELING
sctp-tunneling 9899/udp    SCTP TUNNELING
iua            9900/tcp    IUA
iua            9900/udp    IUA
iua            9900/sctp  IUA
#             Lyndon Ong <Lyong@ciena.com>
enrp           9901/udp    enrp server channel
enrp-sctp      9901/sctp  enrp server channel
#             Lyndon Ong <lyong@ciena.com> June 2006
enrp-sctp-tls  9902/sctp  enrp/tls server channel
#             Lyndon Ong <lyong@ciena.com> June 2006
#             9903-9908    Unassigned
domaintime     9909/tcp    domaintime
domaintime     9909/udp    domaintime
#             Jeffry Dwight <jeffryd@greyware.com>
#             9910        Unassigned
syype-transport 9911/tcp    SYPECom Transport Protocol
syype-transport 9911/udp    SYPECom Transport Protocol
#             Sylvain Pedneault <sylvain@syypecom.qc.ca> March 2003
#             9912-9949    Unassigned
apc-9950       9950/tcp    APC 9950
apc-9950       9950/udp    APC 9950
apc-9951       9951/tcp    APC 9951
apc-9951       9951/udp    APC 9951
apc-9952       9952/tcp    APC 9952
apc-9952       9952/udp    APC 9952
#             American Power Conversion <ports@apcc.com>
acis           9953/tcp    9953
acis           9953/udp    9953
#             Thomas Guth <t.guth@zeiss.de> January 2006
#             9954-9965    Unassigned
odnsp          9966/tcp    OKI Data Network Setting Protocol
odnsp          9966/udp    OKI Data Network Setting Protocol
#             Masato Sato <satou203@oki.com> May 2006
#             9967-9986    Unassigned
dsm-scm-target 9987/tcp    DSM/SCM Target Interface
dsm-scm-target 9987/udp    DSM/SCM Target Interface
#             Mike Dyslin <mike.dyslin@hp.com> August 2006
#             9988-9989    Unassigned
osm-appsrvr    9990/tcp    OSM Applet Server
osm-appsrvr    9990/udp    OSM Applet Server
#             Vinay Gupta <vinay.gupta@hp.com> August 2003
osm-oev        9991/tcp    OSM Event Server

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osm-oev          9991/udp    OSM Event Server
#               Vinay Gupta <vinay.gupta@hp.com> August 2003
palace-1        9992/tcp    OnLive-1
palace-1        9992/udp    OnLive-1
palace-2        9993/tcp    OnLive-2
palace-2        9993/udp    OnLive-2
palace-3        9994/tcp    OnLive-3
palace-3        9994/udp    OnLive-3
palace-4        9995/tcp    Palace-4
palace-4        9995/udp    Palace-4
palace-5        9996/tcp    Palace-5
palace-5        9996/udp    Palace-5
palace-6        9997/tcp    Palace-6
palace-6        9997/udp    Palace-6
#               Douglas Crockford <crock@communities.com>
distinct32     9998/tcp    Distinct32
distinct32     9998/udp    Distinct32
distinct       9999/tcp    distinct
distinct       9999/udp    distinct
#               Anoop Tewari <anoop@next.distinct.com>
ndmp           10000/tcp   Network Data Management Protocol
ndmp           10000/udp   Network Data Management Protocol
#               Brian Ehrmantraut <bae@netapp.com>
scp-config     10001/tcp   SCP Configuration Port
scp-config     10001/udp   SCP Configuration Port
#               Brad Strand <brad.strand@3ware.com>
#               10002-10006 Unassigned
mvs-capacity   10007/tcp   MVS Capacity
mvs-capacity   10007/udp   MVS Capacity
#               Donna Dillenberger <engd@us.ibm.com>
octopus        10008/tcp   Octopus Multiplexer
octopus        10008/udp   Octopus Multiplexer
#               Chris Koeritz <fred@gruntose.com> October 2002
swdtp-sv       10009/tcp   Systemwalker Desktop Patrol
swdtp-sv       10009/udp   Systemwalker Desktop Patrol
#               Akira Ide <ide.akira@jp.fujitsu.com> March 2006
#               10010-10049 Unassigned
zabbix-agent   10050/tcp   Zabbix Agent
zabbix-agent   10050/udp   Zabbix Agent
zabbix-trapper 10051/tcp   Zabbix Trapper
zabbix-trapper 10051/udp   Zabbix Trapper
#               Alexei Vladishev <alexei.vladishev@zabbix.com> February
2006
#               10052-10079 Unassigned
amanda         10080/tcp   Amanda
amanda         10080/udp   Amanda
#               John Jackson <jrj@gandalf.cc.purdue.edu>
#               <amanda-core@amanda.org>
famdc          10081/tcp   FAM Archive Server
famdc          10081/udp   FAM Archive Server
#               Frode Randers <Frode.Randers@tietoenator.com> January 2006
#               10082-10099 Unassigned
itap-ddtp      10100/tcp   VERITAS ITAP DDTP
itap-ddtp      10100/udp   VERITAS ITAP DDTP
#               Saugata Guha <sguha@veritas.com> May 2004
ezmeeting-2    10101/tcp   eZmeeting
ezmeeting-2    10101/udp   eZmeeting

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ezproxy-2      10102/tcp  eZproxy
ezproxy-2      10102/udp  eZproxy
ezrelay        10103/tcp  eZrelay
ezrelay        10103/udp  eZrelay
#              Albert C. Yang <albert.yang@eZmeeting.com> March
2002
swdtp          10104/tcp  Systemwalker Desktop Patrol
swdtp          10104/udp  Systemwalker Desktop Patrol
#              Akira Ide <ide.akira@jp.fujitsu.com> September 2006
#              10105-10106 Unassigned
bctp-server    10107/tcp  VERITAS BCTP, server
bctp-server    10107/udp  VERITAS BCTP, server
#              Saugata Guha <sguha@veritas.com> May 2004
#              10108-10112 Unassigned
netiq-endpoint 10113/tcp  NetIQ Endpoint
netiq-endpoint 10113/udp  NetIQ Endpoint
netiq-qcheck   10114/tcp  NetIQ Qcheck
netiq-qcheck   10114/udp  NetIQ Qcheck
#              John Wood <John.Wood@netiq.com>
netiq-endpt    10115/tcp  NetIQ Endpoint
netiq-endpt    10115/udp  NetIQ Endpoint
#              Gary Weichinger <gary.weichinger@netiq.com>
netiq-voipa    10116/tcp  NetIQ VoIP Assessor
netiq-voipa    10116/udp  NetIQ VoIP Assessor
#              Gary Weichinger <gary.weichinger@netiq.com>
#              10117-10127 Unassigned
bmc-perf-sd    10128/tcp  BMC-PERFORM-SERVICE DAEMON
bmc-perf-sd    10128/udp  BMC-PERFORM-SERVICE DAEMON
#              Portnoy Boxman <portnoy_boxman@bmc.com>
#              10129-10159 Unassigned
qb-db-server   10160/tcp  QB Database Server
qb-db-server   10160/udp  QB Database Server
#              Wei Wang <wweiwang@intuit.com> November 2005
#              10161-10199 Unassigned
trisoap        10200/tcp  Trigence AE Soap Service
trisoap        10200/udp  Trigence AE Soap Service
#              Brigitte Gagne <bgagne@trigence.com> August 2006
#              10201-10251 Unassigned
apollo-relay   10252/tcp  Apollo Relay Port
apollo-relay   10252/udp  Apollo Relay Port
#              Anthony Carrabino <anthonyc@vistasoftware.com>
August 2003
#              10253-10259 Unassigned
axis-wimp-port 10260/tcp  Axis WIMP Port
axis-wimp-port 10260/udp  Axis WIMP Port
#              Stefan Eriksson <contact-iana@axis.com>
#              10261-10287 Unassigned
blocks         10288/tcp  Blocks
blocks         10288/udp  Blocks
#              Carl Malamud
#              10289-10799 Unassigned
gap            10800/tcp  Gestor de Acaparamiento para Pocket PCs
gap            10800/udp  Gestor de Acaparamiento para Pocket PCs
#              Juan Carlos Olivares Rojas <jcolivares04c@cenidet.edu.mx>
March 2006
#              10801-10804 Unassigned
lpdg          10805/tcp  LUCIA Pareja Data Group

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lpdg      10805/udp  LUCIA Pareja Data Group
#          Alvaro P. Dominguez <alpado@gmail.com> February 2006
#          10806-10989 Unassigned
rmiaux    10990/tcp  Auxiliary RMI Port
rmiaux    10990/udp  Auxiliary RMI Port
#          Eugen Bacic <eugen@texar.com>
#          10991-10999 Unassigned
irisa     11000/tcp  IRISA
irisa     11000/udp  IRISA
#          V.A. Brauner <info@datamedia.fr>
metasys   11001/tcp  Metasys
metasys   11001/udp  Metasys
#          Tobin Schuster <tobin.j.schuster@jci.com>
#          11002-11110 Unassigned
vce       11111/tcp  Viral Computing Environment (VCE)
vce       11111/udp  Viral Computing Environment (VCE)
#          Fred Cohen <fc@all.net>
dicom     11112/tcp  DICOM
dicom     11112/udp  DICOM
#          David Clunie <dclunie@dclunie.com> August 2005
#          11113-11160 Unassigned
suncacao-snmpp 11161/tcp  sun cacao snmp access point
suncacao-snmpp 11161/udp  sun cacao snmp access point
suncacao-jmxmp 11162/tcp  sun cacao JMX-remoting access point
suncacao-jmxmp 11162/udp  sun cacao JMX-remoting access point
suncacao-rmi   11163/tcp  sun cacao rmi registry access point
suncacao-rmi   11163/udp  sun cacao rmi registry access point
suncacao-csa   11164/tcp  sun cacao command-streaming access point
suncacao-csa   11164/udp  sun cacao command-streaming access point
suncacao-websvc 11165/tcp  sun cacao web service access point
suncacao-websvc 11165/udp  sun cacao web service access point
#          Nick Stephen <nick.stephen@sun.com> August 2005
#          11166-11200 Unassigned
smsqpp      11201/tcp  smsqpp
smsqpp      11201/udp  smsqpp
#          Andres Seco Hernandez <AndresSH@alamin.org>
#          11202-11207 Unassigned
wifree     11208/tcp  WiFree Service
wifree     11208/udp  WiFree Service
#          Jose Luis Martin Peinado <jooe@wifree-project.net> March
2006
#          11209-11318 Unassigned
imip       11319/tcp  IMIP
imip       11319/udp  IMIP
#          IM Unified Coalition, Len Zuvela
#          <imu-comments@egroups.com>
imip-channels 11320/tcp  IMIP Channels Port
imip-channels 11320/udp  IMIP Channels Port
#          Len Zuvela <lenz@microsoft.com>
arena-server 11321/tcp  Arena Server Listen
arena-server 11321/udp  Arena Server Listen
#          Earl Brannigan <earl.brannigan@lindenhou.co.uk>
#          11322-11366 Unassigned
atm-uhas   11367/tcp  ATM UHAS
atm-uhas   11367/udp  ATM UHAS
#          Todd Barker <toddba@attachmate.com>
#          11368-11370 Unassigned

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hkp                11371/tcp    OpenPGP HTTP Keyserver
hkp                11371/udp    OpenPGP HTTP Keyserver
#                 David Shaw <dshaw@jabberwocky.com> May 2003
#                 11372-11599 Unassigned
tempest-port      11600/tcp    Tempest Protocol Port
tempest-port      11600/udp    Tempest Protocol Port
#                 Francis Cianfrocca <francis@tempest.com>
#                 11601-11719 Unassigned
h323callsigalt    11720/tcp    h323 Call Signal Alternate
h323callsigalt    11720/udp    h323 Call Signal Alternate
#                 Chris White <cjwhite@cisco.com>
#                 11721-11750 Unassigned
intrepid-ssl      11751/tcp    Intrepid SSL
intrepid-ssl      11751/udp    Intrepid SSL
#                 Robert Eden <reden@sieglertech.com> March 2003
#                 11752-11966 Unassigned
sysinfo-sp        11967/tcp    SysInfo Service Protocol
sysinfo-sp        11967/udp    SysInfo Sercice Protocol
#                 Mike Cooper <mcooper@magnicomp.com> March 2003
#                 11968-11996 Unassigned
wmereceiving      11997/sctp   WorldMailExpress
wmedistribution   11998/sctp   WorldMailExpress
wmereporting      11999/sctp   WorldMailExpress
#                 Greg Foutz <gregf@adminovation.com> March 2006
entextxid 12000/tcp  IBM Enterprise Extender SNA XID Exchange
entextxid 12000/udp  IBM Enterprise Extender SNA XID Exchange
entextnetwk 12001/tcp  IBM Enterprise Extender SNA COS Network Priority
entextnetwk 12001/udp  IBM Enterprise Extender SNA COS Network Priority
entexthigh 12002/tcp  IBM Enterprise Extender SNA COS High Priority
entexthigh 12002/udp  IBM Enterprise Extender SNA COS High Priority
entextmed 12003/tcp  IBM Enterprise Extender SNA COS Medium Priority
entextmed 12003/udp  IBM Enterprise Extender SNA COS Medium Priority
entextlow 12004/tcp  IBM Enterprise Extender SNA COS Low Priority
entextlow 12004/udp  IBM Enterprise Extender SNA COS Low Priority
#                 Eugene Cox <genecox@raleigh.ibm.com>
dbisamserver1 12005/tcp  DBISAM Database Server - Regular
dbisamserver1 12005/udp  DBISAM Database Server - Regular
dbisamserver2 12006/tcp  DBISAM Database Server - Admin
dbisamserver2 12006/udp  DBISAM Database Server - Admin
#                 Tim Young <timyoung@elevatesoft.com> May 2002
accuracer      12007/tcp  Accuracer Database System ñ Server
accuracer      12007/udp  Accuracer Database System ñ Server
accuracer-dbms 12008/tcp  Accuracer Database System ñ Admin
accuracer-dbms 12008/udp  Accuracer Database System ñ Admin
#                 Alexander V. Ivanov <support@aidaim.com> December
2004
#                 12009-12011 Unassigned
vipera         12012/tcp  Vipera Messaging Service
vipera         12012/udp  Vipera Messaging Service
#                 Silvano Maffeis <maffeis@acm.org> August 2005
#                 12013-12108 Unassigned
rets-ssl      12109/tcp  RETS over SSL
rets-ssl      12109/udp  RETS over SSL
#                 Bruce Toback <btoback@optc.com> February 2003
#                 12110-12120 Unassigned
nupaper-ss    12121/tcp  NuPaper Session Service
nupaper-ss    12121/udp  NuPaper Session Service

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#                               David Warden <warden@nupaper.com> November 2005
#                               12122-12167 Unassigned
cawas                           12168/tcp  CA Web Access Service
cawas                           12168/udp  CA Web Access Service
#                               Jon Press <IANA.Registions@ca.com> August 2005
#                               12169-12171 Unassigned
hivep                           12172/tcp  HiveP
hivep                           12172/udp  HiveP
#                               Dick Augustsson <dick@skenbe.net>
#                               12173-12299 Unassigned
linogridengine                  12300/tcp  LinoGrid Engine
linogridengine                  12300/udp  LinoGrid Engine
#                               Frans Lundberg <frans@linova.com> November 2004
#                               12301-12320 Unassigned
warehouse-sss                   12321/tcp  Warehouse Monitoring Syst SSS
warehouse-sss                   12321/udp  Warehouse Monitoring Syst SSS
warehouse                        12322/tcp  Warehouse Monitoring Syst
warehouse                        12322/udp  Warehouse Monitoring Syst
#                               Craig Steffen <csteffen@ncsa.uiuc.edu> August 2005
#                               12323-12344 Unassigned
italk                           12345/tcp  Italk Chat System
italk                           12345/udp  Italk Chat System
#                               Takayuki Ito <yuki@euc.jp>
#                               12346-12752 Unassigned
tsaf                            12753/tcp  tsaf port
tsaf                            12753/udp  tsaf port
#                               Andreas Fehr <andreas@mrs.ch>
#                               12754-13159 Unassigned
i-zipqd                         13160/tcp  I-ZIPQD
i-zipqd                         13160/udp  I-ZIPQD
#                               Chuck Runquist <crunquist@quarterdeck.com>
#                               13161-13222 Unassigned
powwow-client                   13223/tcp  PowWow Client
powwow-client                   13223/udp  PowWow Client
powwow-server                   13224/tcp  PowWow Server
powwow-server                   13224/udp  PowWow Server
#                               Paul K. Peterson <paul@tribal.com>
#                               13225-13719 Unassigned
bprd                            13720/tcp  BPRD Protocol (VERITAS NetBackup)
bprd                            13720/udp  BPRD Protocol (VERITAS NetBackup)
bpdbm                           13721/tcp  BPDBM Protocol (VERITAS NetBackup)
bpdbm                           13721/udp  BPDBM Protocol (VERITAS NetBackup)
#                               Jeff Holmbeck <Jeff.Holmbeck@veritas.com>
bpjava-msvc                     13722/tcp  BP Java MSVC Protocol
bpjava-msvc                     13722/udp  BP Java MSVC Protocol
#                               Tim Schmidt <Tim.Schmidt@veritas.com>
#                               13723 Unassigned
vnetd                           13724/tcp  Veritas Network Utility
vnetd                           13724/udp  Veritas Network Utility
#                               Jeff Holmbeck <Jeff.Holmbeck@veritas.com>
#                               13725-13781 Unassigned
bpcd                            13782/tcp  VERITAS NetBackup
bpcd                            13782/udp  VERITAS NetBackup
vopied                          13783/tcp  VOPIED Protocol
vopied                          13783/udp  VOPIED Protocol
#                               Jeff Holmbeck <Jeff.Holmbeck@veritas.com>
#                               13784 Unassigned

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nbdb          13785/tcp   NetBackup Database
nbdb          13785/udp   NetBackup Database
#            Pat Tovo <pat.tovo@veritas.com> December 2004
nomdb        13786/tcp   Veritas-nomdb
nomdb        13786/udp   Veritas-nomdb
#            Clayton Haapala <clay.haapala@veritas.com> August
2005
#            13787-13817 Unassigned
dsmcc-config 13818/tcp   DSMCC Config
dsmcc-config 13818/udp   DSMCC Config
dsmcc-session 13819/tcp   DSMCC Session Messages
dsmcc-session 13819/udp   DSMCC Session Messages
dsmcc-passthru 13820/tcp   DSMCC Pass-Thru Messages
dsmcc-passthru 13820/udp   DSMCC Pass-Thru Messages
dsmcc-download 13821/tcp   DSMCC Download Protocol
dsmcc-download 13821/udp   DSMCC Download Protocol
dsmcc-ccp 13822/tcp   DSMCC Channel Change Protocol
dsmcc-ccp 13822/udp   DSMCC Channel Change Protocol
#            Tim Addington <Tim.Addington@sciatl.com>
#            ISO/IEC 13818-6 MPEG-2 DSM-CC
#            13823-14000 Unassigned
sua          14001/tcp   SUA
sua          14001/udp   De-Registered (2001 June 06)
sua          14001/sctp  SUA
#            Miguel Angel Garcia <Miguel.A.Garcia@ericsson.com>
#            14002-14032 Unassigned
sage-best-com1 14033/tcp   sage Best! Config Server 1
sage-best-com1 14033/udp   sage Best! Config Server 1
sage-best-com2 14034/tcp   sage Best! Config Server 2
sage-best-com2 14034/udp   sage Best! Config Server 2
#            Christian Rubach <Christian_Rubach@bestsoftware.com>
#            14035-14140 Unassigned
vcs-app       14141/tcp   VCS Application
vcs-app       14141/udp   VCS Application
#            Ming Xu <ming@veritas.com>
icpp          14142/tcp   IceWall Cert Protocol
icpp          14142/udp   IceWall Cert Protocol
#            Tsutomu Fujinami <tsutomu.fujinami@hp.com> August
2005
#            14143-14144 Unassigned
gcm-app       14145/tcp   GCM Application
gcm-app       14145/udp   GCM Application
#            Ming Xu <ming@veritas.com>
#            14146-14148 Unassigned
vrts-tdd      14149/tcp   Veritas Traffic Director
vrts-tdd      14149/udp   Veritas Traffic Director
#            Sameer Deokule <sameer.deokule@veritas.com> March
2002
#            14150-14153 Unassigned
vad           14154/tcp   Veritas Application Director
vad           14154/udp   Veritas Application Director
#            Rajeev Verma <rajeev_verma@symantec.com> February 2006
#            14155-14413 Unassigned
ca-web-update 14414/tcp   CA eTrust Web Update Service
ca-web-update 14414/udp   CA eTrust Web Update Service
#            Robert Ciochon <robert.ciochon@ca.com> August 2006
#            14415-14935 Unassigned

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hde-lcesrvr-1 14936/tcp hde-lcesrvr-1
hde-lcesrvr-1 14936/udp hde-lcesrvr-1
hde-lcesrvr-2 14937/tcp hde-lcesrvr-2
hde-lcesrvr-2 14937/udp hde-lcesrvr-2
#
# Horizon Digital Enterprise, Inc. <info@hde.co.jp>
# 14938-14999 Unassigned
hydap 15000/tcp Hypack Data Aquisition
hydap 15000/udp Hypack Data Aquisition
#
# Mircea Neacsu <mircea@videotron.ca>
# 15001-15344 Unassigned
xpilot 15345/tcp XPilot Contact Port
xpilot 15345/udp XPilot Contact Port
#
# Bert Gijsbers <bert@xpilot.org>
# 15346-15362 Unassigned
3link 15363/tcp 3Link Negotiation
3link 15363/udp 3Link Negotiation
#
# Brant Thomsen <brant_thomsen@3com.com> January 2003
# 15364-15554 Unassigned
cisco-snat 15555/tcp Cisco Stateful NAT
cisco-snat 15555/udp Cisco Stateful NAT
#
# Kaushik Biswas <kbiswas@cisco.com> March 2006
# 15556-15739 Unassigned
ptp 15740/tcp Picture Transfer Protocol
ptp 15740/udp Picture Transfer Protocol
#
# Petronel Bigioi <petronel@fotonation.com> November
2004
# 15741-16160 Unassigned
sun-sea-port 16161/tcp Solaris SEA Port
sun-sea-port 16161/udp Solaris SEA Port
#
# Dana Porter <dana.porter@sun.com> October 2003
# 16162-16308 Unassigned
etb4j 16309/tcp etb4j
etb4j 16309/udp etb4j
#
# Christopher R. Smith <csmith4@us.ibm.com> November
2004
pduncs 16310/tcp Policy Distribute, Update Notification
pduncs 16310/udp Policy Distribute, Update Notification
#
# Diane I. Shannon <shannond@us.ibm.com> August 2006
# 16311-16359 Unassigned
netserialext1 16360/tcp netserialext1
netserialext1 16360/udp netserialext1
netserialext2 16361/tcp netserialext2
netserialext2 16361/udp netserialext2
#
# Mike Hoy <mhoy@aquilagroup.com>
# 16362-16366 Unassigned
netserialext3 16367/tcp netserialext3
netserialext3 16367/udp netserialext3
netserialext4 16368/tcp netserialext4
netserialext4 16368/udp netserialext4
#
# Mike Hoy <mhoy@aquilagroup.com>
# 16369-16383 Unassigned
connected 16384/tcp Connected Corp
connected 16384/udp Connected Corp
#
# Nicole C. Ouellette <nouvellette@connected.com>
February 2004
# 16385-16949 Unassigned
sgcip 16950/tcp Simple Generic Client Interface Protocol

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sgcip          16950/udp  Simple Generic Client Interface Protocol
#              John Aquilino <john.aquilino@maryville.com>
#              16951-16990 Unassigned
intel-rci-mp   16991/tcp  INTEL-RCI-MP
intel-rci-mp   16991/udp  INTEL-RCI-MP
#              Jane Dashevsky <jane.dashevsky@intel.com>
amt-soap-http  16992/tcp  Intel(R) AMT SOAP/HTTP
amt-soap-http  16992/udp  Intel(R) AMT SOAP/HTTP
amt-soap-https 16993/tcp  Intel(R) AMT SOAP/HTTPS
amt-soap-https 16993/udp  Intel(R) AMT SOAP/HTTPS
#              David T. Hines <david.hines@intel.com> February
2005
amt-redirect-tcp 16994/tcp  Intel(R) AMT Redirection/TCP
amt-redirect-tcp 16994/udp  Intel(R) AMT Redirection/TCP
amt-redirect-tls 16995/tcp  Intel(R) AMT Redirection/TLS
amt-redirect-tls 16995/udp  Intel(R) AMT Redirection/TLS
#              Nimrod Diamant <nimrod.diamant@intel.com> February
2005
#              16996-17006 Unassigned
isode-dua      17007/tcp
isode-dua      17007/udp
#              17008-17184 Unassigned
soundsvirtual  17185/tcp  Sounds Virtual
soundsvirtual  17185/udp  Sounds Virtual
#              Richard Snider <rsnider@sounds.com>
#              17186-17218 Unassigned
chipper        17219/tcp  Chipper
chipper        17219/udp  Chipper
#              Ronald Jimmink <Ronald.Jimmink@chipper.nl>
#              17220-17234 Unassigned
ssh-mgmt       17235/tcp  SSH Tectia Manager
ssh-mgmt       17235/udp  SSH Tectia Manager
#              Ville Laurikari <vlaurika@ssh.com> August 2005
#              17236-17728 Unassigned
ea             17729/tcp  Eclipse Aviation
ea             17729/udp  Eclipse Aviation
#              William Schmidt <info@eclipseaviation.com> March 2006
#              17730-17753 Unassigned
zep            17754/tcp  Encap. ZigBee Packets
zep            17754/udp  Encap. ZigBee Packets
#              Fred Fierling <fff@exegin.com> February 2006
zigbee-ip      17755/tcp  ZigBee IP Transport Service
zigbee-ip      17755/udp  ZigBee IP Transport Service
zigbee-ips     17756/tcp  ZigBee IP Transport Secure Service
zigbee-ips     17756/udp  ZigBee IP Transport Secure Service
#              Chris Herzog <zog@stg.com> May 2006
#              17757-17999 Unassigned
biimenu        18000/tcp  Beckman Instruments, Inc.
biimenu        18000/udp  Beckman Instruments, Inc.
#              R. L. Meyering <RLMEYERING@BIIIVAX.DP.BECKMAN.COM>
#              18001-18180 Unassigned
opsec-cvp      18181/tcp  OPSEC CVP
opsec-cvp      18181/udp  OPSEC CVP
opsec-ufp      18182/tcp  OPSEC UFP
opsec-ufp      18182/udp  OPSEC UFP
#              Alon Kantor <alonk@checkpoint.com>
opsec-sam      18183/tcp  OPSEC SAM

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opsec-sam      18183/udp  OPSEC SAM
opsec-lea      18184/tcp  OPSEC LEA
opsec-lea      18184/udp  OPSEC LEA
opsec-omi      18185/tcp  OPSEC OMI
opsec-omi      18185/udp  OPSEC OMI
#              Alon Kantor <alonk@checkpoint.com>
ohsc           18186/tcp  Occupational Health SC
ohsc           18186/udp  Occupational Health Sc
#              David Fudge <david.fudge@tssi.co.uk> August 2003
opsec-ela      18187/tcp  OPSEC ELA
opsec-ela      18187/udp  OPSEC ELA
#              Alon Kantor <alonk@checkpoint.com>
#              18188-18240 Unassigned
checkpoint-rtm 18241/tcp  Check Point RTM
checkpoint-rtm 18241/udp  Check Point RTM
#              Dudi Hazan <dudi@checkpoint.com>
#              18242-18462 Unassigned
ac-cluster     18463/tcp  AC Cluster
ac-cluster     18463/udp  AC Cluster
#              Lisa Zhong <lzhong@cup.hp.com>
#              18464-18768 Unassigned
ique           18769/tcp  IQue Protocol
ique           18769/udp  IQue Protocol
#              Avi Drissman <ique-protocol@harrisbaseview.com> July
2002
#              18770-18880 Unassigned
infotos        18881/tcp  Infotos
infotos        18881/udp  Infotos
#              Marcel Dube <marceldube@videotron.ca> November 2004
#              18882-18887 Unassigned
apc-necmp      18888/tcp  APCNECMP
apc-necmp      18888/udp  APCNECMP
#              Michael Yip <Michael.Yip@alcatel.com>
#              18889-19899 Unassigned
igrid          19000/tcp  iGrid Server
igrid          19000/udp  iGrid Server
#              Massimo Cafaro <massimo.cafaro@unile.it> November
2004
#              19001-19190 Unassigned
opsec-uaa      19191/tcp  OPSEC UAA
opsec-uaa      19191/udp  OPSEC UAA
#              Reuven Harrison <rnd_ana@checkpoint.com>
#              19192-19193 Unassigned
ua-secureagent 19194/tcp  UserAuthority SecureAgent
ua-secureagent 19194/udp  UserAuthority SecureAgent
#              Reuven Harrison <rharrison@checkpoint.com> January
2003
#              19195-19282 Unassigned
keysrvr        19283/tcp  Key Server for SASSAFRAS
keysrvr        19283/udp  Key Server for SASSAFRAS
#              Mark Valence <kurash@sassafras.com>
#              19284-19314 Unassigned
keyshadow      19315/tcp  Key Shadow for SASSAFRAS
keyshadow      19315/udp  Key Shadow for SASSAFRAS
#              Mark Valence <kurash@sassafras.com>
#              19316-19397 Unassigned
mtrgtrans      19398/tcp  mtrgtrans

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mtrgtrans      19398/udp  mtrgtrans
#              Katsuhito Muroi <muroi@pfu.co.jp>
#              19399-19409 Unassigned
hp-sco         19410/tcp  hp-sco
hp-sco         19410/udp  hp-sco
hp-sca         19411/tcp  hp-sca
hp-sca         19411/udp  hp-sca
#              Larry Schwartz <lrs@cup.hp.com>
hp-sessmon     19412/tcp  HP-SESSMON
hp-sessmon     19412/udp  HP-SESSMON
#              Gita Murthy <gita@cup.hp.com>
#              19413-19538 Unassigned
fxuftp         19539/tcp  FXUFTP
fxuftp         19539/udp  FXUFTP
#              Keiji Okuma <okuma@silex.jp> August 2005
sxuftp         19540/tcp  SXUFTP
sxuftp         19540/udp  SXUFTP
#              Keiji Okuma <okuma@silex.jp> August 2002
jcp            19541/tcp  JCP Client
jcp            19541/udp  JCP Client
#              Yuji Sasaki <sasaki@silex.jp>
#              19542-19999 Unassigned
dnp            20000/tcp  DNP
dnp            20000/udp  DNP
#              Michael Thesing <michael.thesing@acsatlanta.com>
microsan       20001/tcp  MicroSAN
microsan       20001/udp  MicroSAN
#              Thomas E. Ludwig <tom.ludwig@zetera.com> February
2004
commtact-http  20002/tcp  Commtact HTTP
commtact-http  20002/udp  Commtact HTTP
commtact-https 20003/tcp  Commtact HTTPS
commtact-https 20003/udp  Commtact HTTPS
#              Tomas Svoboda <svoboda@infima.cz> December 2004
#              20004-20013 Unassigned
opendeploy     20014/tcp  OpenDeploy Listener
opendeploy     20014/udp  OpenDeploy Listener
#              Todd Scallan <tscallan@interwoven.com> August 2005
#              20015-20033 Unassigned
nburn_id       20034/tcp  NetBurner ID Port
nburn_id       20034/udp  NetBurner ID Port
#              Paul Breed <paul@netburner.com> November 2003
#              20035-20166 Unassigned
tolfab         20167/tcp  TOLfab Data Change
tolfab         20167/udp  TOLfab Data Change
#              Pierre Couderc <pcouderc@tol.fr> March 2006
#              20168-20201 Unassigned
ipdtp-port     20202/tcp  IPD Tunneling Port
ipdtp-port     20202/udp  IPD Tunneling Port
#              Vikki Yin Wei <vikki@ipdynamics.com> January 2003
#              20203-20221 Unassigned
ipulse-ics     20222/tcp  iPulse-ICS
ipulse-ics     20222/udp  iPulse-ICS
#              Meggie Garica-Woodruff <ipulse@ericsson.com>
#              20223-20669 Unassigned
track          20670/tcp  Track
track          20670/udp  Track

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#           Michael Sweet <msweet@ctr.nawcad.navy.mil>
#           20671-20998 Unassigned
athand-mmp  20999/tcp  At Hand MMP
athand-mmp  20999/udp  AT Hand MMP
#           Stepan Riha <stepan.riha@hand.com>
#           20300-20999 Unassigned
irtrans     21000/tcp  IRTrans Control
irtrans     21000/udp  IRTrans Control
#           Marcus Mueller <marcus@irtrans.de> November 2004
#           21001-21553 Unassigned
dfserver    21554/tcp  MineScape Design File Server
dfserver    21554/udp  MineScape Design File Server
#           Michael Purser <mrp@mincom.com> June 2006
#           21555-21589 Unassigned
vofr-gateway 21590/tcp  VoFR Gateway
vofr-gateway 21590/udp  VoFR Gateway
#           Marty Borden <mborden@tollbridgetech.com>
#           21591-21799 Unassigned
tvpm        21800/tcp  TVNC Pro Multiplexing
tvpm        21800/udp  TVNC Pro Multiplexing
#           Brian Blevins <brian.blevins@tridia.com>
#           21801-21844 Unassigned
webphone    21845/tcp  webphone
webphone    21845/udp  webphone
netspeak-is 21846/tcp  NetSpeak Corp. Directory Services
netspeak-is 21846/udp  NetSpeak Corp. Directory Services
netspeak-cs 21847/tcp  NetSpeak Corp. Connection Services
netspeak-cs 21847/udp  NetSpeak Corp. Connection Services
netspeak-acd 21848/tcp  NetSpeak Corp. Automatic Call Distribution
netspeak-acd 21848/udp  NetSpeak Corp. Automatic Call Distribution
netspeak-cps 21849/tcp  NetSpeak Corp. Credit Processing System
netspeak-cps 21849/udp  NetSpeak Corp. Credit Processing System
#           Toby Hosterman <root@netspeak.com>
#           21850-21999 Unassigned
snapenetio 22000/tcp  SNAPenetIO
snapenetio 22000/udp  SNAPenetIO
optocontrol 22001/tcp  OptoControl
optocontrol 22001/udp  OptoControl
#           Kevin Kuhns <kkuhns@opto22.com>
optohost002 22002/tcp  Opto Host Port 2
optohost002 22002/udp  Opto Host Port 2
optohost003 22003/tcp  Opto Host Port 3
optohost003 22003/udp  Opto Host Port 3
optohost004 22004/tcp  Opto Host Port 4
optohost004 22004/udp  Opto Host Port 4
optohost004 22005/tcp  Opto Host Port 5
optohost004 22005/udp  Opto Host Port 5
#           Doug Leany <DLEANY@Opto22.com> September 2006
#           22006-22272 Unassigned
wnn6        22273/tcp  wnn6
wnn6        22273/udp  wnn6
#           Yasunari Gon Yamasita <yamasita@omronsoft.co.jp>
#           22274-22554 Unassigned
vocaltec-wconf 22555/tcp  Vocaltec Web Conference
vocaltec-phone 22555/udp  Vocaltec Internet Phone
#           Scott Petrack <Scott_Petrack@vocaltec.com>
#           22556-22762 Unassigned

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talikaserver      22763/tcp  Talika Main Server
talikaserver      22763/udp  Talika Main Server
#                 Laxman C. Marathe <lcmarathe@thomsonpress.com> December
2006
#                 22764-22799 Unassigned
aws-brf           22800/tcp  Telerate Information Platform LAN
aws-brf           22800/udp  Telerate Information Platform LAN
#                 Timo Sivonen <timo.sivonen@ccmail.dowjones.com>
#                 22801-22950 Unassigned
brf-gw            22951/tcp  Telerate Information Platform WAN
brf-gw            22951/udp  Telerate Information Platform WAN
#                 Timo Sivonen <timo.sivonen@ccmail.dowjones.com>
#                 22952-22999 Unassigned
inovaport1 23000/tcp  Inova LightLink Server Type 1
inovaport1 23000/udp  Inova LightLink Server Type 1
inovaport2 23001/tcp  Inova LightLink Server Type 2
inovaport2 23001/udp  Inova LightLink Server Type 2
inovaport3 23002/tcp  Inova LightLink Server Type 3
inovaport3 23002/udp  Inova LightLink Server Type 3
inovaport4 23003/tcp  Inova LightLink Server Type 4
inovaport4 23003/udp  Inova LightLink Server Type 4
inovaport5 23004/tcp  Inova LightLink Server Type 5
inovaport5 23004/udp  Inova LightLink Server Type 5
inovaport6 23005/tcp  Inova LightLink Server Type 6
inovaport6 23005/udp  Inova LightLink Server Type 6
#                 Chris Koeritz <portmanager@inovasolutions.com> October 2006
#                 23006-23399 Unassigned
novar-dbase       23400/tcp  Novar Data
novar-dbase       23400/udp  Novar Data
novar-alarm       23401/tcp  Novar Alarm
novar-alarm       23401/udp  Novar Alarm
novar-global      23402/tcp  Novar Global
novar-global      23402/udp  Novar Global
#                 Keith Kilroy <Keith.Kilroy@novarcontrols.com> February 2006
#                 23403-23999 Unassigned
med-ltp           24000/tcp  med-ltp
med-ltp           24000/udp  med-ltp
med-fsp-rx        24001/tcp  med-fsp-rx
med-fsp-rx        24001/udp  med-fsp-rx
med-fsp-tx        24002/tcp  med-fsp-tx
med-fsp-tx        24002/udp  med-fsp-tx
med-supp          24003/tcp  med-supp
med-supp          24003/udp  med-supp
med-ovw           24004/tcp  med-ovw
med-ovw           24004/udp  med-ovw
med-ci            24005/tcp  med-ci
med-ci            24005/udp  med-ci
med-net-svc       24006/tcp  med-net-svc
med-net-svc       24006/udp  med-net-svc
#                 Juergen Fischbach <juergen.fischbach@philips.com>
#                 24007-24241 Unassigned
filesphere        24242/tcp  fileSphere
filesphere        24242/udp  fileSphere
#                 Carl Cedergren <asperon@home.se>
#                 24243-24320 Unassigned
ild               24321/tcp  Isolv Local Directory
ild               24321/udp  Isolv Local Directory

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#                               Mitchell Bass <mitch@integrasolv.com> August 2005
#                               24322-24248 Unassigned
vista-4gl                       24249/tcp Vista 4GL
vista-4gl                       24249/udp Vista 4GL
#                               Mark Itzcovitz <mji@vistacomp.com>
#                               24250-24385 Unassigned
intel_rci  24386/tcp Intel RCI
intel_rci  24386/udp Intel RCI
#                               Mark Lewis <mark.h.lewis@intel.com>
#                               24387-24553 Unassigned
binkp                               24554/tcp BINKP
binkp                               24554/udp BINKP
#                               Max Masyutin <max@ritlabs.com>
#                               24555-34676 Unassigned
flashfiler 24677/tcp FlashFiler
flashfiler 24677/udp FlashFiler
#                               Ben Oram <beno@turbopower.com>
proactivate 24678/tcp Turbopower Proactivate
proactivate 24678/udp Turbopower Proactivate
#                               Ben Oram <beno@turbopower.com>
#                               24679 Unassigned
tcc-http   24680/tcp TCC User HTTP Service
tcc-http   24680/udp TCC User HTTP Service
#                               Brian Kennedy <BrianK@TargetedConvergence.com> August 2006
#                               24681-24921 Unassigned
find       24922/tcp Find Identification of Network Devices
find       24922/udp Find Identification of Network Devices
#                               Jean-Paul Moreaux
#                               <jean-paul.moreaux@airbus.com>
#                               24923-24999 Unassigned
icl-twobase1 25000/tcp icl-twobase1
icl-twobase1 25000/udp icl-twobase1
icl-twobase2 25001/tcp icl-twobase2
icl-twobase2 25001/udp icl-twobase2
icl-twobase3 25002/tcp icl-twobase3
icl-twobase3 25002/udp icl-twobase3
icl-twobase4 25003/tcp icl-twobase4
icl-twobase4 25003/udp icl-twobase4
icl-twobase5 25004/tcp icl-twobase5
icl-twobase5 25004/udp icl-twobase5
icl-twobase6 25005/tcp icl-twobase6
icl-twobase6 25005/udp icl-twobase6
icl-twobase7 25006/tcp icl-twobase7
icl-twobase7 25006/udp icl-twobase7
icl-twobase8 25007/tcp icl-twobase8
icl-twobase8 25007/udp icl-twobase8
icl-twobase9 25008/tcp icl-twobase9
icl-twobase9 25008/udp icl-twobase9
icl-twobase10 25009/tcp icl-twobase10
icl-twobase10 25009/udp icl-twobase10
#                               J. A. (Tony) Sever <J.A.Sever@bra0119.wins.icl.co.uk>
#                               25010-25792 Unassigned
vocaltec-hos 25793/tcp Vocaltec Address Server
vocaltec-hos 25793/udp Vocaltec Address Server
#                               Scott Petrack <Scott_Petrack@vocaltec.com>
#                               25794-25899 Unassigned
tasp-net     25900/tcp TASP Network Comm

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tasp-net      25900/udp  TASP Network Comm
#            Martin Ellis <martin@clanleagues.net> November 2004
niobserver   25901/tcp  NIObserver
niobserver   25901/udp  NIObserver
#            Roman Oliynyk <romano@netinst.com>
#            25902      Unassigned
niprobe      25903/tcp  NIProbe
niprobe      25903/udp  NIProbe
#            Roman Oliynyk <romano@netinst.com>
#            25904-25999 Unassigned
quake        26000/tcp  quake
quake        26000/udp  quake
#            Yasunari Gon Yamasita <yamasita@omronsoft.co.jp>
#            26001-26207 Unassigned
wnn6-ds      26208/tcp  wnn6-ds
wnn6-ds      26208/udp  wnn6-ds
#            Yasunari Gon Yamasita <yamasita@omronsoft.co.jp>
#            26209-26259 Unassigned
ezproxy      26260/tcp  eZproxy
ezproxy      26260/udp  eZproxy
ezmeeting    26261/tcp  eZmeeting
ezmeeting    26261/udp  eZmeeting
#            Albert C. Yang <albert.yang@eZmeeting.com>
k3software-svr 26262/tcp  K3 Software-Server
k3software-svr 26262/udp  K3 Software-Server
k3software-cli 26263/tcp  K3 Software-Client
k3software-cli 26263/udp  K3 Software-Client
#            Jim Baldrige <jimb@rpower.com>
#            26264      De-registered (6 April 2006)
#            26265-26485 Unassigned
exoline-tcp  26486/tcp  EXOline-TCP
exoline-udp  26486/udp  EXOline-UDP
#            Lars Mattsson <lars.mattsson@reginexomatic.com> May 2006
exoconfig    26487/tcp  EXOconfig
exoconfig    26487/udp  EXOconfig
#            Urban Fosseus <urban.fosseus@reginexomatic.com> May 2006
#            26488      Unassigned
exonet       26489/tcp  EXOnet
exonet       26489/udp  EXOnet
#            Urban Fosseus <urban.fosseus@reginexomatic.com> May 2006
#            26490-26999 Unassigned
flex-lm      27000-27009 FLEX LM (1-10)
#            Daniel Birns <daniel@globes.com>
#            27010-27344 Unassigned
imagepump    27345/tcp  ImagePump
imagepump    27345/udp  ImagePump
#            Richard Minner <xippix.com>
#            27346-27441 Unassigned
jesmsjc      27442/tcp  Job controller service
jesmsjc      27442/udp  Job controller service
#            Peter Coates <peter.coates@sun.com> April 2006
#            27443-27503 Unassigned
kopek-httphead 27504/tcp  Kopek HTTP Head Port
kopek-httphead 27504/udp  Kopek HTTP Head Port
#            Sten H. Danielsen <shd@kopek.net> July 2002
#            27505-27781 Unassigned
ars-vista    27782/tcp  ARS VISTA Application

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ars-vista      27782/udp  ARS VISTA Application
#              Spencer Teran <steran@ars.com> November 2004
#              27783-27998 Unassigned
tw-auth-key   27999/tcp  TW Authentication/Key Distribution and
tw-auth-key   27999/udp  Attribute Certificate Services
#              Alex Duncan <Alex.Duncan@sse.ie>
nxmlmd        28000/tcp  NX License Manager
nxmlmd        28000/udp  NX License Manager
#              Anthony Greatorex <greatore@ugs.com> November 2004
#              28001-28239 Unassigned
siemensgsm    28240/tcp  Siemens GSM
siemensgsm    28240/udp  Siemens GSM
#              David Anuszewski <david.anuszewski@siemens.com>
November 2004
#              28241-29166 Unassigned
otmp          29167/tcp  ObTools Message Protocol
otmp          29167/udp  ObTools Message Protocol
#              Paul Clark <paul@xmill.com> February 2006
#              29168-30000 Unassigned
pago-services1 30001/tcp  Pago Services 1
pago-services1 30001/udp  Pago Services 1
pago-services2 30002/tcp  Pago Services 2
pago-services2 30002/udp  Pago Services 2
#              Balduin Mueller-Platz
#              <balduin.mueller-platz@pago.de> March 2002
#              30003-30998 Unassigned
ovobs         30999/tcp  OpenView Service Desk Client
ovobs         30999/udp  OpenView Service Desk Client
#              Service Desk Product Manager <info@hp.com> May 2006
#              31000-31415 Unassigned
xqosd         31416/tcp  XQoS network monitor
xqosd         31416/udp  XQoS network monitor
#              Joe Elliott <joe@inetd.com> June 2002
#              31417-31456 Unassigned
tetrinet      31457/tcp  TetriNET Protocol
tetrinet      31457/udp  TetriNET Protocol
#              Emmanuel Bourg <smanux@lfjr.net> November 2004
#              31458-31619 Unassigned
lm-mon        31620/tcp  lm mon
lm-mon        31620/udp  lm mon
#              System Administrator <sysadmin@silvaco.com> June
2003
#              31621-31764 Unassigned
gamesmith-port 31765/tcp  GameSmith Port
gamesmith-port 31765/udp  GameSmith Port
#              Randy Thompson <thompr@earthlink.net> August 2002
#              31766-31947 Unassigned
iceedcp_tx    31948/tcp  Embedded Device Configuration Protocol TX
iceedcp_tx    31948/udp  Embedded Device Configuration Protocol TX
iceedcp_rx    31949/tcp  Embedded Device Configuration Protocol RX
iceedcp_rx    31949/udp  Embedded Device Configuration Protocol RX
#              Oliver Lewis <o.lewis@icerobotics.co.uk> August 2006
#              31950-32248 Unassigned
tldistproc60  32249/tcp  T1 Distributed Processor
tldistproc60  32249/udp  T1 Distributed Processor
#              Peter Beahan <peter_beahan@technologyonecorp.com>
November 2004

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# 32250-32482 Unassigned
apm-link 32483/tcp Access Point Manager Link
apm-link 32483/udp Access Point Manager Link
# Tony Diodato <tdiodato@cyprx.com> August 2005
# 32484-32634 Unassigned
sec-ntb-clnt 32635/tcp SecureNotebook-CLNT
sec-ntb-clnt 32635/udp SecureNotebook-CLNT
# Eric Cantineau <eric@securenotebook.com> November
2004
# 32636-32766 Unassigned
filenet-powstrm 32767/tcp FileNet BPM WS-ReliableMessaging Client
filenet-powstrm 32767/udp FileNet BPM WS-ReliableMessaging Client
# Chris Adkins <cadkins@filenet.com> August 2006
filenet-tms 32768/tcp Filenet TMS
filenet-tms 32768/udp Filenet TMS
filenet-rpc 32769/tcp Filenet RPC
filenet-rpc 32769/udp Filenet RPC
filenet-nch 32770/tcp Filenet NCH
filenet-nch 32770/udp Filenet NCH
# Daniel Whelan <dwhelan@filenet.com>
filenet-rmi 32771/tcp FileNET RMI
filenet-rmi 32771/udp FileNet RMI
# Chris Adkins <cadkins@filenet.com>
filenet-pa 32772/tcp FileNET Process Analyzer
filenet-pa 32772/udp FileNET Process Analyzer
# Chris Adkins <cadkins@filenet.com> January 2003
filenet-cm 32773/tcp FileNET Component Manager
filenet-cm 32773/udp FileNET Component Manager
# Chris Adkins <cadkins@filenet.com> August 2003
filenet-re 32774/tcp FileNET Rules Engine
filenet-re 32774/udp FileNET Rules Engine
# Chris Adkins <cadkins@filenet.com> August 2003
filenet-pch 32775/tcp Performance Clearinghouse
filenet-pch 32775/udp Performance Clearinghouse
# Tim Morgan <tmorgan@filenet.com> November 2005
filenet-peior 32776/tcp FileNET BPM IOR
filenet-peior 32776/udp FileNET BPM IOR
# Chris Adkins <cadkins@filenet.com> May 2006
filenet-obrok 32777/tcp FileNet BPM CORBA
filenet-obrok 32777/udp FileNet BPM CORBA
# Chris Adkins <cadkins@filenet.com> October 2006
# 32778-32895 Unassigned
idmgratm 32896/tcp Attachmate ID Manager
idmgratm 32896/udp Attachmate ID Manager
# George Gianelos <GeorgeGi@Attachmate.com> March
2003
# 32897-33330 Unassigned
diamondport 33331/tcp DiamondCentral Interface
diamondport 33331/udp DiamondCentral Interface
# Edward Browdy <ebrowdy@cryptek.com> July 2002
# 33332-33433 Unassigned
traceroute 33434/tcp traceroute use
traceroute 33434/udp traceroute use
# IANA <iana@iana.org>
# 33435-33655 Unassigned
snip-slave 33656/tcp SNIP Slave
snip-slave 33656/udp SNIP Slave

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#                               Dr. Chris Tucker <chris.tucker@ioltd.co.uk> August
2005
#                               33657-34248 Unassigned
turbonote-2                    34249/tcp    TurboNote Relay Server Default Port
turbonote-2                    34249/udp    TurboNote Relay Server Default Port
#                               Peter Hyde <peter@spis.co.nz>
#                               34250-34377 Unassigned
p-net-local                    34378/tcp    P-Net on IP local
p-net-local                    34378/udp    P-Net on IP local
#                               Kurt Nissen <kn@proces-data.com> February 2004
p-net-remote                   34379/tcp    P-Net on IP remote
p-net-remote                   34379/udp    P-Net on IP remote
#                               Kurt Nissen <kn@proces-data.com> February 2004
#                               34380-34961 Unassigned
profinet-rt                    34962/tcp    PROFInet RT Unicast
profinet-rt                    34962/udp    PROFInet RT Unicast
profinet-rtm                   34963/tcp    PROFInet RT Multicast
profinet-rtm                   34963/udp    PROFInet RT Multicast
profinet-cm                    34964/tcp    PROFInet Context Manager
profinet-cm                    34964/udp    PROFInet Context Manager
#                               Peter Wenzel <Peter.Wenzel@profibus.com> November
2004
#                               34965-34979 Unassigned
ethercat                       34980/tcp    EtherCAT Port
ethercat                       34980/udp    EhterCAT Port
#                               Martin Rostan <m.rostan@beckhoff.com> November 2003
#                               34981-36864 Unassigned
kastenxpipe                    36865/tcp    KastenX Pipe
kastenxpipe                    36865/udp    KastenX Pipe
#                               Guy Cheng <GCHE@kastenchase.com>
#                               36866-37474 Unassigned
neckar                         37475/tcp    science + computing's Venus Administration Port
neckar                         37475/udp    science + computing's Venus Administration Port
#                               Ralf Allrutz <R.Allrutz@science-computing.de>
February 2002
#                               37476-37653 Unassigned
unisys-eportal                 37654/tcp    Unisys ClearPath ePortal
unisys-eportal                 37654/udp    Unisys ClearPath ePortal
#                               Sung U. Ro <ePortalSupport@unisys.com> January 2006
#                               37655-38200 Unassigned
galaxy7-data                   38201/tcp    Galaxy7 Data Tunnel
galaxy7-data                   38201/udp    Galaxy7 Data Tunnel
#                               Tatham Oddie <tatham@e-oddie.com> September 2002
fairview                       38202/tcp    Fairview Message Service
fairview                       38202/udp    Fairview Message Service
#                               Jim Lyle <jim.lyle@siliconimage.com> November 2005
agpolicy                       38203/tcp    AppGate Policy Server
agpolicy                       38203/udp    AppGate Policy Server
#                               Martin Forssen <maf@appgate.com> November 2004
#                               38204-39680 Unassigned
turbonote-1                    39681/tcp    TurboNote Default Port
turbonote-1                    39681/udp    TurboNote Default Port
#                               Peter Hyde <peter@spis.co.nz>
#                               39682-39999 Unassigned
safetynetp 40000/tcp           SafetyNET p
safetynetp 40000/udp           SafetyNET p
#                               Roland Rupp <r.rupp@pilz.de> November 2006

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#           40001-40840 Unassigned
cscp       40841/tcp    CSCP
cscp       40841/udp    CSCP
#           Michael Dodge <sarge@centerspan.com>
csccredir  40842/tcp    CSCCREDIR
csccredir  40842/udp    CSCCREDIR
cscconfirewall 40843/tcp    CSCCFIREWALL
cscconfirewall 40843/udp    CSCCFIREWALL
#           Sudhir Menon <sudhir@centerspan.com>
#           40844-41110 Unassigned
fs-qos     41111/tcp    Foursticks QoS Protocol
fs-qos     41111/udp    Foursticks QoS Protocol
#           Chee Kent Lam <cklam@foursticks.com> April 2002
#           41112-41793 Unassigned
crestron-cip 41794/tcp    Crestron Control Port
crestron-cip 41794/udp    Crestron Control Port
crestron-ctp 41795/tcp    Crestron Terminal Port
crestron-ctp 41795/udp    Crestron Terminal Port
#           Ed Ranney <eranney@crestron.com> January 2003
#           41796-42507 Unassigned
candp      42508/tcp    Computer Associates network discovery protocol
candp      42508/udp    Computer Associates network discovery protocol
#           Jon Press <IANA.Registions@ca.com> September 2005
candrp     42509/tcp    CA discovery response
candrp     42509/udp    CA discovery response
caerpc     42510/tcp    CA eTrust RPC
caerpc     42510/udp    CA eTrust RPC
#           Jon Press <IANA.Registions@ca.com> August 2005
#           42511-43187 Unassigned
reachout   43188/tcp    REACHOUT
reachout   43188/udp    REACHOUT
ndm-agent-port 43189/tcp    NDM-AGENT-PORT
ndm-agent-port 43189/udp    NDM-AGENT-PORT
ip-provision 43190/tcp    IP-PROVISION
ip-provision 43190/udp    IP-PROVISION
#           Roman Kriis <roman@previo.ee>
#           43191-43440 Unassigned
ciscocsdb  43441/tcp    Cisco NetMgmt DB Ports
ciscocsdb  43441/udp    Cisco NetMgmt DB Ports
#           Cisco Systems <nmtg-port-numbers@cisco.com>
November 2005
#           43442-44320 Unassigned
pmcd       44321/tcp    PCP server (pmcd)
pmcd       44321/udp    PCP server (pmcd)
#           Ken McDonnell <kenmcd@sgi.com> June 2002
pmcdproxy  44322/tcp    PCP server (pmcd) proxy
pmcdproxy  44322/udp    PCP server (pmcd) proxy
#           Ken McDonnell <kenmcd@sgi.com> July 2003
#           44323-44552 Unassigned
rbr-debug  44553/tcp    REALbasic Remote Debug
rbr-debug  44553/udp    REALbasic Remote Debug
#           Aaron Ballman <aaron@realsoftware.com> November
2004
#           44554-44817 Unassigned
rockwell-encap 44818/tcp    Rockwell Encapsulation
rockwell-encap 44818/udp    Rockwell Encapsulation
#           Brian Batke <babatke@ra.rockwell.com>

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# 44819-45053 Unassigned
invision-ag 45054/tcp InVision AG
invision-ag 45054/udp InVision AG
# Matthias Schroer <matthias.schroer@invision.de>
# 45055-45677 Unassigned
eba 45678/tcp EBA PRISE
eba 45678/udp EBA PRISE
# Patrick Kara <Patrick@EBA.NET>
# 45679-45965 Unassigned
ssr-servermgr 45966/tcp SSRServerMgr
ssr-servermgr 45966/udp SSRServerMgr
# Jeremy Gilliat <jeremy.gilliat@geac.com>
# 45967-46998 Unassigned
mediabox 46999/tcp MediaBox Server
mediabox 46999/udp MediaBox Server
# Alexander Graef <alex@graef.cc> November 2004
mbus 47000/tcp Message Bus
mbus 47000/udp Message Bus
# Dirk Kutscher <dku@informatik.uni-bremen.de>
# 47001-47556 Unassigned
dbbrowse 47557/tcp Databeam Corporation
dbbrowse 47557/udp Databeam Corporation
# Cindy Martin <cmartin@databeam.com>
# 47558-47623 Unassigned
directplaysrvr 47624/tcp Direct Play Server
directplaysrvr 47624/udp Direct Play Server
# Ajay Jindal <ajayj@microsoft.com>
# 47625-47805 Unassigned
ap 47806/tcp ALC Protocol
ap 47806/udp ALC Protocol
# Dave Robin <iana_ports@daverobin.com>
# 47807 Unassigned
bacnet 47808/tcp Building Automation and Control Networks
bacnet 47808/udp Building Automation and Control Networks
# H. Michael Newman <hmn2@cornell.edu>
# 47809-47999 Unassigned
nimcontroller 48000/tcp Nimbus Controller
nimcontroller 48000/udp Nimbus Controller
nimspooler 48001/tcp Nimbus Spooler
nimspooler 48001/udp Nimbus Spooler
nimhub 48002/tcp Nimbus Hub
nimhub 48002/udp Nimbus Hub
nimgtw 48003/tcp Nimbus Gateway
nimgtw 48003/udp Nimbus Gateway
# Carstein Seeberg <case@nimsoft.no>
# 48004-48127 Unassigned
isnetserv 48128/tcp Image Systems Network Services
isnetserv 48128/udp Image Systems Network Services
# Bengt Gustafsson <bengt.gustafsson@imagesystems.se> May
2006
blp5 48129/tcp Bloomberg locator
blp5 48129/udp Bloomberg locator
# Albert Hou <ahoul@bloomberg.com> May 2006
# 48130-48555 Unassigned
com-bardac-dw 48556/tcp com-bardac-dw
com-bardac-dw 48556/udp com-bardac-dw
# Nicholas J Howes <nick@ghostwood.org>

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48557-48618 Unassigned
iqobject 48619/tcp iqobject
iqobject 48619/udp iqobject
Bjorn de Bonnenfant <bdeb@iqobject.com> November
2003
48620-49150 Unassigned
49151 IANA Reserved

DYNAMIC AND/OR PRIVATE PORTS

The Dynamic and/or Private Ports are those from 49152 through 65535

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