

IP Port Numbers - Full Listing

PORT NUMBERS

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.

The Registered Ports are those from 1024 through 49151

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

WELL KNOWN PORT NUMBERS

The Well Known Ports are controlled and 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 assigned ports use a small portion of the possible port numbers. For many years the assigned ports were in the range 0-255. Recently, the range for assigned ports managed by the IANA has been expanded to the range 0-1023.

Port Assignments:

Keyword	Decimal	Description	References
-----	-----	-----	-----
	0/tcp	Reserved	
	0/udp	Reserved	
#		Jon Postel <mailto:postel@isi.edu>	
tcpmux	1/tcp	TCP Port Service Multiplexer	
tcpmux	1/udp	TCP Port Service Multiplexer	
#		Mark Lottor <mailto: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 <mailto:VOLZ@PROCESS.COM>	
#	4/tcp	Unassigned	
#	4/udp	Unassigned	

rje	5/tcp	Remote Job Entry
rje	5/udp	Remote Job Entry
#		Jon Postel <lt;postel@isi.edu>
#	6/tcp	Unassigned
#	6/udp	Unassigned
echo	7/tcp	Echo
echo	7/udp	Echo
#		Jon Postel <lt;postel@isi.edu>
#	8/tcp	Unassigned
#	8/udp	Unassigned
discard	9/tcp	Discard
discard	9/udp	Discard
#		Jon Postel <lt;postel@isi.edu>
#	10/tcp	Unassigned
#	10/udp	Unassigned
systat	11/tcp	Active Users
systat	11/udp	Active Users
#		Jon Postel <lt;postel@isi.edu>
#	12/tcp	Unassigned
#	12/udp	Unassigned
daytime	13/tcp	Daytime
daytime	13/udp	Daytime
#		Jon Postel <lt;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 <lt;postel@isi.edu>
msh	18/tcp	Message Send Protocol
msh	18/udp	Message Send Protocol
#		Rina Nathaniel <lt;---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 <lt;postel@isi.edu>
ssh	22/tcp	SSH Remote Login Protocol
ssh	22/udp	SSH Remote Login Protocol
#		Tatu Ylonen <lt;tylo@cs.hut.fi>
telnet	23/tcp	Telnet
telnet	23/udp	Telnet
#		Jon Postel <lt;postel@isi.edu>
#	24/tcp	any private mail system
#	24/udp	any private mail system
#		Rick Adams <lt;rick@UUNET.UU.NET>
smtp	25/tcp	Simple Mail Transfer
smtp	25/udp	Simple Mail Transfer
#		Jon Postel <lt;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 <ltBThomas@F.BBN.COM>
#	28/tcp	Unassigned
#	28/udp	Unassigned
msg-icp	29/tcp	MSG ICP
msg-icp	29/udp	MSG ICP
#		Robert Thomas <ltBThomas@F.BBN.COM>
#	30/tcp	Unassigned
#	30/udp	Unassigned
msg-auth	31/tcp	MSG Authentication
msg-auth	31/udp	MSG Authentication
#		Robert Thomas <ltBThomas@F.BBN.COM>
#	32/tcp	Unassigned
#	32/udp	Unassigned
dsp	33/tcp	Display Support Protocol
dsp	33/udp	Display Support Protocol
#		Ed Cain <ltcain@edn-unix.dca.mil>
#	34/tcp	Unassigned
#	34/udp	Unassigned
	35/tcp	any private printer server
	35/udp	any private printer server
#		Jon Postel <ltpostel@isi.edu>
#	36/tcp	Unassigned
#	36/udp	Unassigned
time	37/tcp	Time
time	37/udp	Time
#		Jon Postel <ltpostel@isi.edu>
rap	38/tcp	Route Access Protocol
rap	38/udp	Route Access Protocol
#		Robert Ullmann <ltariel@world.std.com>
rlp	39/tcp	Resource Location Protocol
rlp	39/udp	Resource Location Protocol
#		Mike Accetta <ltMIKE.ACETTA@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 <ltpostel@isi.edu>
ni-ftp	47/tcp	NI FTP
ni-ftp	47/udp	NI FTP
#		Steve Kille <ltS.Kille@isode.com>
auditd	48/tcp	Digital Audit Daemon
auditd	48/udp	Digital Audit Daemon
#		Larry Scott <ltscott@zk3.dec.com>
tacacs	49/tcp	Login Host Protocol (TACACS)

tacacs	49/udp	Login Host Protocol (TACACS)
#		Pieter Ditmars <lpditmars@BBN.COM>
re-mail-ck	50/tcp	Remote Mail Checking Protocol
re-mail-ck	50/udp	Remote Mail Checking Protocol
#		Steve Dorner <ts-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 <rschoultz@sunet.se>
covia	64/tcp	Communications Integrator (CI)
covia	64/udp	Communications Integrator (CI)
#		"Tundra" Tim Daneliuk
#		<tundra@clout.chi.il.us>
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 <tdc@LCS.MIT.EDU>
gopher	70/tcp	Gopher
gopher	70/udp	Gopher
#		Mark McCahill <mtmpm@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 <tariel@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
		<tleong@kolmod.mlo.dec.com>
finger	79/tcp	Finger
finger	79/udp	Finger
#		David Zimmerman <tdpz@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 <tmsmith@esc.syr.ge.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

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# 87/udp any private terminal link
# Jon Postel <lt;postel@isi.edu>
kerberos 88/tcp Kerberos
kerberos 88/udp Kerberos
# B. Clifford Neuman <lt;bcn@isi.edu>
su-mit-tg 89/tcp SU/MIT Telnet Gateway
su-mit-tg 89/udp SU/MIT Telnet Gateway
# Mark Crispin <lt;MRC@PANDA.COM>
dnsix 90/tcp DNSIX Securit Attribute Token Map
dnsix 90/udp DNSIX Securit Attribute Token Map
# Charles Watt <lt;twatt@sware.com>
mit-dov 91/tcp MIT Dover Spooler
mit-dov 91/udp MIT Dover Spooler
# Eliot Moss <lt;EBM@XX.LCS.MIT.EDU>
npp 92/tcp Network Printing Protocol
npp 92/udp Network Printing Protocol
# Louis Mamakos <lt;louie@sayshell.umd.edu>
dcp 93/tcp Device Control Protocol
dcp 93/udp Device Control Protocol
# Daniel Tappan <lt;Tappan@BBN.COM>
objcall 94/tcp Tivoli Object Dispatcher
objcall 94/udp Tivoli Object Dispatcher
# Tom Bereiter <lt;--none-->
supdup 95/tcp SUPDUP
supdup 95/udp SUPDUP
# Mark Crispin <lt;MRC@PANDA.COM>
dixie 96/tcp DIXIE Protocol Specification
dixie 96/udp DIXIE Protocol Specification
# Tim Howes <lt;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
# <lt;mailrus!uflorida!rml!dnmrt%rmatl@uunet.UU.NET>
tacnews 98/tcp TAC News
tacnews 98/udp TAC News
# Jon Postel <lt;postel@isi.edu>
metagram 99/tcp Metagram Relay
metagram 99/udp Metagram Relay
# Geoff Goodfellow <lt;Geoff@FERNWOOD.MPK.CA.U>
newacct 100/tcp [unauthorized use]
hostname 101/tcp NIC Host Name Server
hostname 101/udp NIC Host Name Server
# Jon Postel <lt;postel@isi.edu>
iso-tsap 102/tcp ISO-TSAP Class 0
iso-tsap 102/udp ISO-TSAP Class 0
# Marshall Rose <lt;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 <lt;--none-->
cso 105/tcp CCSO name server protocol
cso 105/udp CCSO name server protocol
# Martin Hamilton <lt;martin@mrrl.lut.as.uk>
csetns 105/tcp Mailbox Name Nameserver
csetns 105/udp Mailbox Name Nameserver
# Marvin Solomon <lt;solomon@CS.WISC.EDU>

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3com-tsmux	106/tcp	3COM-TSMUX
3com-tsmux	106/udp	3COM-TSMUX
#		Jeremy Siegel <jzs@NSD.3Com.COM>
rtelnet	107/tcp	Remote Telnet Service
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 <tmrose@dbc.mtview.ca.us>
sunrpc	111/tcp	SUN Remote Procedure Call
sunrpc	111/udp	SUN Remote Procedure Call
#		Chuck McManis <cmcm@sun.com>
mcidas	112/tcp	McIDAS Data Transmission Protocol
mcidas	112/udp	McIDAS Data Transmission Protocol
#		Glenn Davis <davis@unidata.ucar.edu>
ident	113/tcp	
auth	113/tcp	Authentication Service
auth	113/udp	Authentication Service
#		Mike St. Johns <stjohns@arpa.mil>
audionews	114/tcp	Audio News Multicast
audionews	114/udp	Audio News Multicast
#		Martin Forssen <maf@dtek.chalmers.se>
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.ed>
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
#		Mike O'Dowd <todowd@ltisun8.epfl.ch>
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 <tlcc.eric@SEAS.UCLA.EDU>
unitary	126/tcp	Unisys Unitary Login
unitary	126/udp	Unisys Unitary Login
#		<lteifil@kronos.nisd.cam.unisys.com>
locus-con	127/tcp	Locus PC-Interface Conn Server
locus-con	127/udp	Locus PC-Interface Conn Server
#		Eric Peterson <tlcc.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-ctrl	141/tcp	EMFIS Control Service
emfis-ctrl	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>
news	144/tcp	News
news	144/udp	News
#		James Gosling <JAG@SUN.COM>
uaac	145/tcp	UAAC Protocol
uaac	145/udp	UAAC Protocol
#		David A. Gomberg <gomberg@GATEWAY.MITRE.ORG>

iso-tp0	146/tcp	ISO-IP0
iso-tp0	146/udp	ISO-IP0
iso-ip	147/tcp	ISO-IP
iso-ip	147/udp	ISO-IP
#		Marshall Rose <mtrose@dbc.mtview.ca.us>
jargon	148/tcp	Jargon
jargon	148/udp	Jargon
#		Bill Weinman <twew@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
#		Christopher Tengi <tengi@Princeton.EDU>
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 <mtrose@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
smip-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 <tschoff@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 <twisner@HAYES.FAI.ALASKA.EDU>
print-srv	170/tcp	Network PostScript
print-srv	170/udp	Network PostScript
#		Brian Reid <treid@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 <trayan@AI.TORONTO.EDU>
vmnet	175/tcp	VMNET
vmnet	175/udp	VMNET
#		Christopher Tengi <tteni@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 <tingr!daveb@UUNET.UU.NET>
unify	181/tcp	Unify
unify	181/udp	Unify
#		Vinod Singh <--none--->
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
cacp	190/udp	Gateway Access Control Protocol
#		C. Philip Wood <tcpw@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 <tmrose@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

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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>
qmtip        209/tcp    The Quick Mail Transfer Protocol
qmtip        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 Needleman
#
#            <lmhnr%uccmvs.bitnet@cornell.cit.cornell.edu>
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
#            <tsequent!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>
#            224-241 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

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# Dave Clark <dtddc@LCS.MIT.EDU>
dayna 244/tcp Dayna
dayna 244/udp Dayna
# Steve Bateman <SBATEMAN@dayna.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>
# 247-255 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 <dee@cybercash.com>
yak-chat 258/tcp Yak Winsock Personal Chat
yak-chat 258/udp Yak Winsock Personal Chat
# Brian Bandy <brian@yakchat.com>
esro-gen 259/tcp Efficient Short Remote Operations
esro-gen 259/udp Efficient Short Remote Operations
# Mohsen Banan <mohsen@roostam.neda.com>
openport 260/tcp Openport
openport 260/udp Openport
# John Marland <jmarland@dean.openport.com>
naming-iiop-ssl 261/tcp IIOP Naming Service (SSL)
naming-iiop-ssl 261/udp IIOP Naming Service (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>
# 264-279 Unassigned
http-mgmt 280/tcp http-mgmt
http-mgmt 280/udp http-mgmt
# Adrian Pell
# <PELL_ADRIAN/HP-
UnitedKingdom_om6@hplb.hpl.hp.com>
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>
# 283-308 Unassigned
entrusttime 309/tcp EntrustTime
entrusttime 309/udp EntrustTime
# Peter Whittaker <pww@entrust.com>
# 310-343 Unassigned
pdap 344/tcp Prospero Data Access Protocol
pdap 344/udp Prospero Data Access Protocol
# B. Clifford Neuman <bcn@isi.edu>

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pawserv	345/tcp	Perf Analysis Workbench
pawserv	345/udp	Perf Analysis Workbench
zserv	346/tcp	Zebra server
zserv	346/udp	Zebra server
fatserv	347/tcp	Fatmen Server
fatserv	347/udp	Fatmen Server
csi-sgwp	348/tcp	Cabletron Management Protocol
csi-sgwp	348/udp	Cabletron Management Protocol
mftp	349/tcp	mftp
mftp	349/udp	mftp
#		Dave Feinleib <davefe@microsoft.com>
matip-type-a	350/tcp	MATIP Type A
matip-type-a	350/udp	MATIP Type A
matip-type-b	351/tcp	MATIP Type B
matip-type-b	351/udp	MATIP Type B
#		Alain Robert <tarobert@par.sita.int>
#	352-370	Unassigned
clearcase	371/tcp	Clearcase
clearcase	371/udp	Clearcase
#		Dave LeBlang <tleklang@atria.com>
ulistproc	372/tcp	ListProcessor
ulistproc	372/udp	ListProcessor
#		Anastasios Kotsikonas <ttasos@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 <theinz@iam.com>
#		Dale L. Larson <dale@iam.com>
tnETOS	377/tcp	NEC Corporation
tnETOS	377/udp	NEC Corporation
dsETOS	378/tcp	NEC Corporation
dsETOS	378/udp	NEC Corporation
#		Tomoo Fujita <ttf@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 <tfquick@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

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# Lisa Tomita <lt---none--->
asa 386/tcp ASA Message Router Object Def.
asa 386/udp ASA Message Router Object Def.
# Steve Laitinen <ltlaitinen@brutus.aa.ab.com>
aurp 387/tcp Appletalk Update-Based Routing Pro.
aurp 387/udp Appletalk Update-Based Routing Pro.
# Chris Ranch <ltcranch@novell.com>
unidata-ldm 388/tcp Unidata LDM Version 4
unidata-ldm 388/udp Unidata LDM Version 4
# Glenn Davis <ltedavis@unidata.ucar.edu>
ldap 389/tcp Lightweight Directory Access Protocol
ldap 389/udp Lightweight Directory Access Protocol
# Tim Howes
<ltTim.Howes@terminator.cc.umich.edu>
uis 390/tcp UIS
uis 390/udp UIS
# Ed Barron <lt---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 <ltiraab@synoptics.com>
dis 393/tcp Data Interpretation System
dis 393/udp Data Interpretation System
# Paul Stevens
<ltpstevens@chinacat.Metaphor.COM>
embl-ndt 394/tcp EMBL Nucleic Data Transfer
embl-ndt 394/udp EMBL Nucleic Data Transfer
# Peter Gad <ltpeter@bmc.uu.se>
netcp 395/tcp NETscout Control Protocol
netcp 395/udp NETscout Control Protocol
# Anil Singhal <lt---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 <ltsarkar@vnet.ibm.com>
kryptolan 398/tcp Kryptolan
kryptolan 398/udp Kryptolan
# Peter de Laval <ltmdl@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 TCP
# Yanick Pouffary <ltjpouffary@taec.enet.dec.com>
work-sol 400/tcp Workstation Solutions
work-sol 400/udp Workstation Solutions
# Jim Ward <ltjimw@worksta.com>
ups 401/tcp Uninterruptible Power Supply
ups 401/udp Uninterruptible Power Supply
# Charles Bennett <ltchuck@benatong.com>
genie 402/tcp Genie Protocol
genie 402/udp Genie Protocol
# Mark Hankin <lt---none--->
decap 403/tcp decap
decap 403/udp decap
nced 404/tcp nced
nced 404/udp nced
ncld 405/tcp ncld

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nclcd	405/udp	nclcd
#		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@waygate.farallon.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>
decladebug	410/tcp	DECLadebug Remote Debug Protocol
decladebug	410/udp	DECLadebug 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	SMSP
smsp	413/udp	SMSP
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 <lhanna@world.std.com>
hyper-g	418/tcp	Hyper-G
hyper-g	418/udp	Hyper-G
#		Frank Kappe <fkappe@iicm.tu-graz.ac.at>
ariel1	419/tcp	Ariel
ariel1	419/udp	Ariel
#		Jonathan Lavigne <BL.JPL@RLG.Stanford.EDU>
smpte	420/tcp	SMPTE
smpte	420/udp	SMPTE
#		Si Becker <71362.22@CompuServe.COM>
ariel2	421/tcp	Ariel
ariel2	421/udp	Ariel
ariel3	422/tcp	Ariel
ariel3	422/udp	Ariel
#		Jonathan Lavigne
		<BL.JPL@RLG.Stanford.EDU>
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 <ltlcs@icad.com>
smartsdp	426/tcp	smartsdp
smartsdp	426/udp	smartsdp
#		Alexander Dupuy <ltidupuy@smarts.com>
svrloc	427/tcp	Server Location
svrloc	427/udp	Server Location
#		<ltveizades@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 <ltwyman@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 <ltnbaroz@encore.com>
nnsdp	433/tcp	NNSDP
nnsdp	433/udp	NNSDP
#		Rob Robertson <ltrob@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 <ltkannan@sejour.lkg.dec.com>
dna-cml	436/tcp	DNA-CML
dna-cml	436/udp	DNA-CML
#		Dan Flowers <ltflowers@smaug.lkg.dec.com>
comscm	437/tcp	comscm
comscm	437/udp	comscm
#		Jim Teague <ltteague@zso.dec.com>
dsfgw	438/tcp	dsfgw
dsfgw	438/udp	dsfgw
#		Andy McKeen <ltmckeen@osf.org>
dasp	439/tcp	dasp Thomas Obermair
dasp	439/udp	dasp tommy@inlab.m.eunet.de
#		Thomas Obermair <lttommy@inlab.m.eunet.de>
sgcp	440/tcp	sgcp
sgcp	440/udp	sgcp
#		Marshall Rose <ltmrose@dbc.mtview.ca.us>
decvms-sysmgt	441/tcp	decvms-sysmgt
decvms-sysmgt	441/udp	decvms-sysmgt
#		Lee Barton <ltbarton@star.enet.dec.com>
cvc_hostd	442/tcp	cvc_hostd
cvc_hostd	442/udp	cvc_hostd
#		Bill Davidson <ltbilld@equalizer.cray.com>
https	443/tcp	https MCom
https	443/udp	https MCom
#		Kipp E.B. Hickman <ltkipp@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
#		Arnold Miller <ltarnoldm@microsoft.com>
ddm-rdb	446/tcp	DDM-RDB
ddm-rdb	446/udp	DDM-RDB
ddm-dfm	447/tcp	DDM-RFM
ddm-dfm	447/udp	DDM-RFM
ddm-byte	448/tcp	DDM-BYTE
ddm-byte	448/udp	DDM-BYTE
#		Jan David Fisher <ltjdfisher@VNET.IBM.COM>
as-servermap	449/tcp	AS Server Mapper
as-servermap	449/udp	AS Server Mapper
#		Barbara Foss <ltBGFLOSS@rchvmv.vnet.ibm.com>
tserver	450/tcp	TServer
tserver	450/udp	TServer
#		Harvey S. Schultz <ltthss@mtgzfs3.mt.att.com>
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 <ltwdp@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 <ltjesus_ortiz@emotion.com>
macon-tcp	456/tcp	macon-tcp
macon-udp	456/udp	macon-udp
#		Yoshinobu Inoue
#		<ltshin@hodaka.mfd.cs.fujitsu.co.jp>
scohelp	457/tcp	scohelp
scohelp	457/udp	scohelp
#		Faith Zack <ltfaithz@sco.com>
appleqtct	458/tcp	apple quick time
appleqtct	458/udp	apple quick time
#		Murali Ranganathan
		<ltmurali_ranganathan@quickmail.apple.com>
ampr-rcmd	459/tcp	ampr-rcmd
ampr-rcmd	459/udp	ampr-rcmd
#		Rob Janssen <ltrob@sys3.pelchl.ampr.org>
skronk	460/tcp	skronk
skronk	460/udp	skronk
#		Henry Strickland <ltstrick@yak.net>
datasurfsrv	461/tcp	DataRampSrv
datasurfsrv	461/udp	DataRampSrv
datasurfsrvsec	462/tcp	DataRampSrvSec
datasurfsrvsec	462/udp	DataRampSrvSec
#		Diane Downie <ltdownie@jibe.MV.COM>
alpes	463/tcp	alpes
alpes	463/udp	alpes
#		Alain Durand <ltAlain.Durand@imag.fr>
kpasswd	464/tcp	kpasswd
kpasswd	464/udp	kpasswd
#		Theodore Ts'o <lttstso@MIT.EDU>
ssmtp	465/tcp	ssmtp

ssmtp	465/udp	ssmtp
#		John Hemming <JohnHemming@Mkn.co.uk>
digital-vrc	466/tcp	digital-vrc
digital-vrc	466/udp	digital-vrc
#		Dave Forster <forster@marvin.enet.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 <tsjn@cray.com>
mondex	471/tcp	Mondex
mondex	471/udp	Mondex
#		Bill Reding <tredingb@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 <trami@hybrid.com>
tn-tl-w1	474/tcp	tn-tl-w1
tn-tl-w2	474/udp	tn-tl-w2
#		Ed Kress <teskress@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 <teskress@thinknet.com>
ss7ns	477/tcp	ss7ns
ss7ns	477/udp	ss7ns
#		Jean-Michel URSCH
		<tursch@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

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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
saft            487/udp      saft
#              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
#              Gil Gameiro <gil_gameiro@novell.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
#              Chris Cason <cjcason@netspace.net.au>
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
#              Dotty Yackle <dotty_yackle@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
<Mark.Needleman@ucop.edu>
isakmp          500/tcp      isakmp
isakmp          500/udp      isakmp
#              Mark Schertler <mjs@tycho.ncsc.mil>

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stmf	501/tcp	STMF
stmf	501/udp	STMF
#		Alan Ungar <taungar@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 <trobert@intrinsa.com>
citadel	504/tcp	citadel
citadel	504/udp	citadel
#		Art Cancro <ajc@uncnsrd.mt-kisco.ny.us>
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 <talphonso@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 <mike@softarc.com>
mynet	511/tcp	mynet-as
mynet	511/udp	mynet-as
#		John Rainford <JAR@cks-
hq.mhs.compuserve.com>		
exec	512/tcp	remote process execution;
#		authentication performed using
#		passwords and UNIX loppgin 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 priviledged 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
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
#		Peter Pau <pau@VNET.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
stx	527/tcp	Stock IXChange
stx	527/udp	Stock IXChange
custix	528/tcp	Customer IXChange
custix	528/udp	Customer IXChange
#		Ralph Hanan <RalphH@ixchange.com>
irc-serv	529/tcp	IRC-SERV
irc-serv	529/udp	IRC-SERV
#		Brian Tackett <cym@acrux.net>
courier	530/tcp	rpc
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
mm-admin	534/tcp	MegaMedia Admin
mm-admin	534/udp	MegaMedia Admin
#		Andreas Heidemann <a.heidemann@ais-
gmbh.de>		

```

iiop          535/tcp    iiop
iiop          535/udp    iiop
#            Jeff M.Michaud <ltmichaud@zk3.dec.com>
opalis-rdv   536/tcp    opalis-rdv
opalis-rdv   536/udp    opalis-rdv
#            Laurent Domenech <ltlaurent@opalis.com>
nmosp        537/tcp    Networked Media Streaming Protocol
nmosp        537/udp    Networked Media Streaming Protocol
#            Paul Santinelli Jr.
<ltpsantinelli@narrative.com>
gdomap       538/tcp    gdomap
gdomap       538/udp    gdomap
#            Richard Frith-Macdonald
<ltrichard@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 <ltsl@wimsey.com>
commerce    542/tcp    commerce
commerce    542/udp    commerce
#            Randy Epstein <ltrepstein@wiznet.net>
#            Alan Bridges <ltalan@wiznet.net>
klogin       543/tcp
klogin       543/udp
kshell       544/tcp    krcmd
kshell       544/udp    krcmd
appleqtcsrvr 545/tcp    appleqtcsrvr
appleqtcsrvr 545/udp    appleqtcsrvr
#            Murali Ranganathan
<ltMurali_Ranganathan@quickmail.apple.com>
dhcpv6-client 546/tcp    DHCPv6 Client
dhcpv6-client 546/udp    DHCPv6 Client
dhcpv6-server 547/tcp    DHCPv6 Server
dhcpv6-server 547/udp    DHCPv6 Server
#            Jim Bound <ltbound@zk3.dec.com>
afpovertcp   548/tcp    AFP over TCP
afpovertcp   548/udp    AFP over TCP
#            Leland Wallace <ltrandall@apple.com>
idfp         549/tcp    IDFP
idfp         549/udp    IDFP
#            Ramana Kovi <ltramana@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 <ltdee@cybercash.com>
deviceshare  552/tcp    deviceshare
deviceshare  552/udp    deviceshare
#            Brian Schenkenberger
<ltbrians@advsyscon.com>
pirp         553/tcp    pirp
pirp         553/udp    pirp
#            D. J. Bernstein
<ltdjb@silverton.berkeley.edu>

```

rtsp	554/tcp	Real Time Stream Control Protocol
rtsp	554/udp	Real Time Stream Control Protocol
#		Rob Lanphier <ltrobla@progn.net.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 <ltpotter@movies.enet.dec.com>
sdnskmp	558/tcp	SDNSKMP
sdnskmp	558/udp	SDNSKMP
teedtap	559/tcp	TEEDTAP
teedtap	559/udp	TEEDTAP
#		Mort Hoffman
		<ltthoffman@mail.ndhm.gtegs.com>
rmonitor	560/tcp	rmonitord
rmonitor	560/udp	rmonitord
monitor	561/tcp	
monitor	561/udp	
chshell	562/tcp	chcmd
chshell	562/udp	chcmd
snews	563/tcp	snews
snews	563/udp	snews
#		Kipp E.B. Hickman <ltkipp@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 <lttoml@banyan.com>
ms-shuttle	568/tcp	microsoft shuttle
ms-shuttle	568/udp	microsoft shuttle
#		Rudolph Balaz <ltrudolphb@microsoft.com>
ms-rome	569/tcp	microsoft rome
ms-rome	569/udp	microsoft rome
#		Rudolph Balaz <ltrudolphb@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 <ltmoore@cs.utk.edu>
banyan-vip	573/tcp	banyan-vip
banyan-vip	573/udp	banyan-vip
#		Denis Leclerc <ltDLeclerc@banyan.com>
ftp-agent	574/tcp	FTP Software Agent System
ftp-agent	574/udp	FTP Software Agent System
#		Michael S. Greenberg <ltarnoff@ftp.com>
vemmi	575/tcp	VEMMI
vemmi	575/udp	VEMMI
#		Daniel Mavrakis <ltmavrakis@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
#		Greg A. Woods <ltwoods@seachange.com>
decbsrv	579/tcp	decbsrv
decbsrv	579/udp	decbsrv
#		Rudi Martin
<movies::martin">		<movies::martin">
sntp-heartbeat	580/tcp	Sntp HEARTBEAT
sntp-heartbeat	580/udp	Sntp HEARTBEAT
#		Louis Mamakos <ltlouie@uu.net>
bdp	581/tcp	Bundle Discovery Protocol
bdp	581/udp	Bundle Discovery Protocol
#		Gary Malkin <ltgmalkin@xylogics.com>
#	582-599	Unassigned
ipcserver	600/tcp	Sun IPC server
ipcserver	600/udp	Sun IPC server
urm	606/tcp	Cray Unified Resource Manager
urm	606/udp	Cray Unified Resource Manager
nqs	607/tcp	nqs
nqs	607/udp	nqs
n#		Bill Schiefelbein <ltschief@aspen.cray.com>
sift-uft	608/tcp	Sender-Initiated/Unsolicited File Transfer
sift-uft	608/udp	Sender-Initiated/Unsolicited File Transfer
#		Rick Troth <lttroth@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 <ltjbarnes@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 <ltandrsin@microsoft.com>
sshell	614/tcp	SSLshell
sshell	614/udp	SSLshell
#		Simon J. Gerraty <ltsgj@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 <ltchrisdu@sco.com>
dei-icda	618/tcp	DEI-ICDA
dei-icda	618/udp	DEI-ICDA
#		David Turner <ltdigital@Quetico.tbaytel.net>
digital-evm	619/tcp	Digital EVM
digital-evm	619/udp	Digital EVM
#		Jem Treadwell <ltjem@unx.dec.com>
sco-websrvrmgr	620/tcp	SCO WebServer Manager
sco-websrvrmgr	620/udp	SCO WebServer Manager

```

# Christopher Durham <ltchrisdu@sco.com>
# 621-632 Unassigned
servstat 633/tcp Service Status update (Sterling Software)
servstat 633/udp Service Status update (Sterling Software)
# Greg Rose <ltGreg_Rose@sydney.sterling.com>
ginad 634/tcp ginad
ginad 634/udp ginad
# Mark Crother <ltmark@eis.calstate.edu>
rlzdbase 635/tcp RLZ DBase
rlzdbase 635/udp RLZ DBase
# Michael Ginn <ltginn@netcom.com>
ssl-ldap 636/tcp ssl-ldap
ssl-ldap 636/udp ssl-ldap
# Pat Richard <ltpatr@xcert.com>
lanserver 637/tcp lanserver
lanserver 637/udp lanserver
# Chris Larsson <ltclarsson@VNET.IBM.COM>
# 638-665 Unassigned
mdqs 666/tcp
mdqs 666/udp
doom 666/tcp doom Id Software
doom 666/udp doom Id Software
# <ltddt@idcube.idsoftware.com>
disclose 667/tcp campaign contribution disclosures -
SDR Technologies
disclose 667/udp campaign contribution disclosures -
SDR Technologies
# Jim Dixon <ltjim@lambda.com>
mecommm 668/tcp MeComm
mecommm 668/udp MeComm
mereregister 669/tcp MeRegister
mereregister 669/udp MeRegister
# Armin Sawusch <ltarmin@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. <ltugsmith@cesi.com>
acap 674/tcp ACAP
acap 674/udp ACAP
# Chris Newman <ltChris.Newman@innosoft.com>
# 674-703 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 <ltnatale@acec.com>
# 706-708 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 <ltpww@entrust.com>

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#	711-728	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)
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>		
flexlm	744/tcp	Flexible License Manager
flexlm	744/udp	Flexible License Manager
#		Matt Christiano
#		<globes@matt@oliveb.atc.olivetti.com>
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
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	
phonebook	767/tcp	phone
phonebook	767/udp	phone
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	
wpgs	780/tcp	
wpgs	780/udp	
concert	786/tcp	Concert
concert	786/udp	Concert
#		Josyula R. Rao <jrrao@watson.ibm.com>
#	787-799	Unassigned
mdbs_daemon	800/tcp	
mdbs_daemon	800/udp	
device	801/tcp	
device	801/udp	
#		Unassigned
iclcnnet-locate	886/tcp	ICL coNETion locate server
iclcnnet-locate	886/udp	ICL coNETion locate server
#		Bob Lyon <tbl@oasis.icl.co.uk>
iclcnnet_svinfos	887/tcp	ICL coNETion server info
iclcnnet_svinfos	887/udp	ICL coNETion server info
#		Bob Lyon <tbl@oasis.icl.co.uk>
accessbuilder	888/tcp	AccessBuilder
accessbuilder	888/udp	AccessBuilder
#		Steve Sweeney
<Steven_Sweeney@3mail.3com.com>		
#	889-910	Unassigned
xact-backup	911/tcp	xact-backup
xact-backup	911/udp	xact-backup
#		Bill Carroll <billc@xactlabs.com>
#	912-990	Unassigned
nas	991/tcp	Netnews Administration System
nas	991/udp	Netnews Administration System
#		Vera Heinau <theinau@fu-berlin.de>
#		Heiko Schlichting <theiko@fu-berlin.de>
#	992-994	Unassigned
spop3	995/tcp	SSL based POP3
spop3	995/udp	SSL based POP3
#		Gordon Mangione <gordm@microsoft.com>
vsinet	996/tcp	vsinet
vsinet	996/udp	vsinet
#		Rob Juergens <trobj@vsi.com>
maitrd	997/tcp	
maitrd	997/udp	
busboy	998/tcp	
puparp	998/udp	
garcon	999/tcp	
applix	999/udp	Applix ac

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puprouter      999/tcp
puprouter      999/udp
cadlock        1000/tcp
ock            1000/udp
#              1001-1022    Unassigned
                1023/tcp      Reserved
                1023/udp      Reserved
#              IANA <tiana@isi.edu>

```

REGISTERED PORT NUMBERS

The Registered Ports are not controlled 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. While the IANA can not control uses of these ports it does register or list 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 1024-65535.

Port Assignments:

Keyword	Decimal	Description	References
-----	-----	-----	-----
	1024/tcp	Reserved	
	1024/udp	Reserved	
#		IANA <tiana@isi.edu>	
blackjack	1025/tcp	network blackjack	
blackjack	1025/udp	network blackjack	
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>	
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>	
nim	1058/tcp	nim	
nim	1058/udp	nim	
nimreg	1059/tcp	nimreg	
nimreg	1059/udp	nimreg	
#		Robert Gordon <rtrbg@austin.ibm.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 <darko@hpfcrn.fc.hp.com>
socks	1080/tcp	Socks
socks	1080/udp	Socks
#		Ying-Da Lee <ylee@syl.dl.nec.com>
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
nfsd-status	1110/tcp	Cluster status info
nfsd-keepalive	1110/udp	Client status info
#		Edgar Circenis <tec@hpfclj.fc.hp.com>
murray	1123/tcp	Murray
murray	1123/udp	Murray
#		Stu Mark <fordii@j51.com>
nfa	1155/tcp	Network File Access
nfa	1155/udp	Network File Access
#		James Powell <james@mailhost.unidata.com>
lupa	1212/tcp	lupa
lupa	1212/udp	lupa
#		Barney Wolff <barney@databus.com>
nerv	1222/tcp	SNI R&D network
nerv	1222/udp	SNI R&D network
#		Martin Freiss <tfreiss.pad@sni.de>
hermes	1248/tcp	
hermes	1248/udp	
#	1249-1312	Unassigned
bmc_patrolldb	1313/tcp	BMC_PATROLDB
bmc_patrolldb	1313/udp	BMC_PATROLDB
#		Devon Shows <Devon_Shows@crow.bmc.com>
pdps	1314/tcp	Photoscript Distributed Printing System
pdps	1314/udp	Photoscript Distributed Printing System
#		Les Klein <tsgy@cix.compulink.co.uk>
#	1315-1344	Unassigned
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
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 <tsimsong@next.cambridge.ma.us>
equationbuilder	1351/tcp	Digital Tool Works (MIT)
equationbuilder	1351/udp	Digital Tool Works (MIT)
#		Terrence J. Talbot <tlexcube!tjt@bu.edu>
lotusnote	1352/tcp	Lotus Note
lotusnote	1352/udp	Lotus Note
#		Greg Pflaum <iris.com!Greg_Pflaum@uunet.uu.net>
relief	1353/tcp	Relief Consulting

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relief          1353/udp   Relief Consulting
#              John Feiler <tre relief!jjfeiler@uu2.psi.com>
rightbrain     1354/tcp   RightBrain Software
rightbrain     1354/udp   RightBrain Software
#              Glenn Reid <glann@rightbrain.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   CONNLCLI
connlcli       1358/udp   CONNLCLI
ftsrv          1359/tcp   FTSRV
ftsrv          1359/udp   FTSRV
#              Ines Homem de Melo
<tsidinf@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 <tmouthers@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.rioh.co.jp>
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

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# Ryuichi Horie &lthorie@spad.sysrap.cs.fujitsu.co.jp>
chromagrafx 1373/tcp Chromagrafx
chromagrafx 1373/udp Chromagrafx
# Mike Barthelemy &lt;tmsb@chromagrafx.com>
molly 1374/tcp EPI Software Systems
molly 1374/udp EPI Software Systems
# Jim Vlcek &lt;tlvcek@epimbe.com>
bytex 1375/tcp Bytex
bytex 1375/udp Bytex
# Mary Ann Burt &lt;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 &lt;sphipp@vnet.ibm.com>
cichlid 1377/tcp Cichlid License Manager
cichlid 1377/udp Cichlid License Manager
# Andy Burgess &lt;aab@cichlid.com>
elan 1378/tcp Elan License Manager
elan 1378/udp Elan License Manager
# Ken Greer &lt;kg@elan.com>
dbreporter 1379/tcp Integrity Solutions
dbreporter 1379/udp Integrity Solutions
# Tim Dawson &lt;tdawson%mspboss@uunet.UU.NET>
telesis-licman 1380/tcp Telesis Network License Manager
telesis-licman 1380/udp Telesis Network License Manager
# Karl Schendel, Jr. &lt;wiz@telesis.com>
apple-licman 1381/tcp Apple Network License Manager
apple-licman 1381/udp Apple Network License Manager
# Earl Wallace &lt;earlw@apple.com>
udt_os 1382/tcp
udt_os 1382/udp
gwaha 1383/tcp GW Hannaway Network License Manager
gwaha 1383/udp GW Hannaway Network License Manager
# J. Gabriel Foster &lt;fop@gwaha.com>
os-licman 1384/tcp Objective Solutions License Manager
os-licman 1384/udp Objective Solutions License Manager
# Donald Cornwell &lt;don.cornwell@objective.com>
atex_elmd 1385/tcp Atex Publishing License Manager
atex_elmd 1385/udp Atex Publishing License Manager
# Brett Sorenson &lt;bcs@atex.com>
checksum 1386/tcp CheckSum License Manager
checksum 1386/udp CheckSum License Manager
# Andreas Glocker &lt;glocker@sirius.com>
cadsim-lm 1387/tcp Computer Aided Design Software Inc LM
cadsim-lm 1387/udp Computer Aided Design Software Inc LM
# Sulistio Muljadi
objective-dbc 1388/tcp Objective Solutions DataBase Cache
objective-dbc 1388/udp Objective Solutions DataBase Cache
# Donald Cornwell
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

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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
#		Ehud Shapiro <tudi@wisdon.weizmann.ac.il>
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 <there@dialup.oar.net>
hiq	1410/tcp	HiQ License Manager
hiq	1410/udp	HiQ License Manager
#		Rick Pugh <trick@bilmillennium.com>
af	1411/tcp	AudioFile
af	1411/udp	AudioFile
#		Jim Gettys <tjg@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 <trmmeli%winvmd@vnet.ibm.com>
dbstar	1415/tcp	DBStar
dbstar	1415/udp	DBStar

#		Jeffrey Millman <lt;jcm@dbstar.com>
novell-lu6.2	1416/tcp	Novell LU6.2
novell-lu6.2	1416/udp	Novell LU6.2
#		Peter Liu <lt--none--->
timbuktu-srv1	1417/tcp	Timbuktu Service 1 Port
timbuktu-srv1	1417/tcp	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 <ltmarc@waygate.farallon.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 <lt;dtko@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 <lt;hch@hybrid.com>
zion-lm	1425/tcp	Zion Software License Manager
zion-lm	1425/udp	Zion Software License Manager
#		David Ferrero <lt;david@zion.com>
sais	1426/tcp	Satellite-data Acquisition System 1
sais	1426/udp	Satellite-data Acquisition System 1
#		Bill Taylor <lt;sais@ssec.wisc.edu>
mloadd	1427/tcp	mloadd monitoring tool
mloadd	1427/udp	mloadd monitoring tool
#		Bob Braden <lt;braden@isi.edu>
informatik-lm	1428/tcp	Informatik License Manager
informatik-lm	1428/udp	Informatik License Manager
#		Harald Schlangmann
#		<lt;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 <lt;noor@hypercom.com>
rgtp	1431/tcp	Reverse Gossip Transport
rgtp	1431/udp	Reverse Gossip Transport
#		Ian Jackson <lt;iwj@cam-orl.co.uk>
blueberry-lm	1432/tcp	Blueberry Software License Manager
blueberry-lm	1432/udp	Blueberry Software License Manager
#		Steve Beigel <lt;blueb!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 <lt;peterhus@microsoft.com>
ibm-cics	1435/tcp	IBM CICS
ibm-cics	1435/udp	IBM CICS
#		Geoff Meacock <lt;gbibmswl@ibmmail.COM>
saism	1436/tcp	Satellite-data Acquisition System 2

saism	1436/udp	Satellite-data Acquisition System 2
#		Bill Taylor <tsais@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 <thunt@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 <tsnb@oc.com>
peport	1449/tcp	PEport
peport	1449/udp	PEport
#		Qentin Neill <qquentin@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
#		<tp.applegate2@genie.geis.com>
interhdl_elmd	1454/tcp	interHDL License Manager
interhdl_elmd	1454/tcp	interHDL License Manager
#		Eli Sternheim eli@interhdl.com
esl-lm	1455/tcp	ESL License Manager
esl-lm	1455/udp	ESL License Manager
#		Abel Chou <label@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 <tleslie_lincoln@valisys.com>
nrcabq-lm	1458/tcp	Nichols Research Corp.
nrcabq-lm	1458/udp	Nichols Research Corp.
#		Howard Cole <thcole@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
#		<flan@vnet.IBM.COM>
world-lm	1462/tcp	World License Manager
world-lm	1462/udp	World License Manager
#		Michael S Amirault <tambi@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 <rstabl@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
csdm	1472/udp	csdm
#		Robert Stabl <rstabl@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 <eric@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>
pacerforum	1480/tcp	PacerForum
pacerforum	1480/udp	PacerForum
#		Peter Caswell <tpfc@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 <mcroberts@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
#		Doug Scott <tlansourc@hookup.net>
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 <tabnous@documentum.com>
insitu-conf	1490/tcp	insitu-conf
insitu-conf	1490/udp	insitu-conf
#		Paul Blacknell <paul@insitu.com>
anynetgateway	1491/tcp	anynetgateway
anynetgateway	1491/udp	anynetgateway
#		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

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# 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>
watcom-sql 1498/tcp Watcom-SQL
watcom-sql 1498/udp Watcom-SQL
# Rog Skubowius
<lrwskubow@ccnga.uwaterloo.ca>
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 Johnstone <jjohnstone@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 <twdp@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@hprdstl0.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>
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>

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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 <trobin@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
#		Ehud Shapiro <tudi@ubique.co.il>
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 <tmf@xnet.com>
cichild-lm	1523/tcp	cichild
cichild-lm	1523/udp	cichild
#		Andy Burgess <taab@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>
tlsrv	1527/tcp	oracle
tlsrv	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

#		Ehud Shapiro <ltudi@ubique.co.il>
micromuse-lm	1534/tcp	micromuse-lm
micromuse-lm	1534/udp	micromuse-lm
#		Adam Kerrison <ltadam@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 <trob@sys3.pelchl.ampr.org>
sdsc-lm	1537/tcp	isi-lm
sdsc-lm	1537/udp	isi-lm
#		Len Wanger <tlrw@sdsc.edu>
3ds-lm	1538/tcp	3ds-lm
3ds-lm	1538/udp	3ds-lm
#		Keith Trummel <tktrummel@autodesk.com>
intellistor-lm	1539/tcp	Intellistor License Manager
intellistor-lm	1539/udp	Intellistor License Manager
#		Ron Vaughn <lrv@intellistor.com>
rds	1540/tcp	rds
rds	1540/udp	rds
rds2	1541/tcp	rds2
rds2	1541/udp	rds2
#		Sudhakar Rajamannar <tmobius1@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.naperville.il.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 <tkchan@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 <rtrfolkes@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>
ashwin	1556/tcp	AshWin CI Technologies
ashwin	1556/udp	AshWin CI Technologies
#		Dave Neal <daven@ashwin.com>
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
		<hthgordon@system.xingtech.com>
web2host	1559/tcp	web2host
web2host	1559/udp	web2host
#		Stephen Johnson <sjohnson@mindspring.com>
ascii-val	1560/tcp	ascii-val
ascii-val	1560/udp	ascii-val
#		Brian Schenkenberger
		<brians@advsyscon.com>
facilityview	1561/tcp	facilityview
facilityview	1561/udp	facilityview
#		Ed Green <tegreen@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 <tnelson@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-lm
moldflow-lm	1576/udp	moldflow-lm
#		Paul Browne <browne@moldflow.com.au>
hypercube-lm	1577/tcp	hypercube-lm
hypercube-lm	1577/udp	hypercube-lm
#		Michael Moller <mmoller@hyper.hyper.com>
jacobus-lm	1578/tcp	Jacobus License Manager
jacobus-lm	1578/udp	Jacobus License Manager
#		Tony Cleveland
		<ttony.cleveland@jacobus.com>
ioc-sea-lm	1579/tcp	ioc-sea-lm
ioc-sea-lm	1579/tcp	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>
vmf-msg-port	1581/tcp	vmf-msg-port
vmf-msg-port	1581/udp	vmf-msg-port
#		Eric Whitehill <whitehill@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
		<tsinghal@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 <nknkumar@triquet-da.com>
vqp	1589/tcp	VQP

vqp	1589/udp	VQP
#		Keith McCloghrie <tkzm@cisco.com>
gemini-lm	1590/tcp	gemini-lm
gemini-lm	1590/udp	gemini-lm
#		Tony Sawyer <ttonys@gemtech.com>
ncpm-pm	1591/tcp	ncpm-pm
ncpm-pm	1591/udp	ncpm-pm
#		Ted Power <ttdp@hpinpcb.cup.hp.com>
commonspace	1592/tcp	commonspace
commonspace	1592/udp	commonspace
#		Rob Chandhok <tchandhok@within.com>
mainsoft-lm	1593/tcp	mainsoft-lm
mainsoft-lm	1593/udp	mainsoft-lm
#		Anand Gangadharan
		<tanand@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	1600/udp	
aas	1601/tcp	aas
aas	1601/udp	aas
#		Andy Schweig <aes@npr.legent.com>
inspect	1602/tcp	inspect
inspect	1602/udp	inspect
#		Frank O'Neill <frank@morse.ilo.dec.com>
pickodbc	1603/tcp	pickodbc
pickodbc	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>

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isysg-lm      1609/tcp   isysg-lm
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 <msirbu+@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
               <BJONES@admiss.msmail.miami.edu>
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 <taberlen@VNET.IBM.COM>
cncp           1636/tcp   CableNet Control Protocol
cncp           1636/udp   CableNet Control Protocol
cnap           1637/tcp   CableNet Admin Protocol
cnap           1637/udp   CableNet Admin Protocol
cnip           1638/tcp   CableNet Info Protocol

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cnip	1638/udp	CableNet Info Protocol
#		Damian Hamill <damian@cablenet.net>
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 <dniallocl@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 <tsais@ssec.wisc.edu>
datametrics	1645/tcp	datametrics
datametrics	1645/udp	datametrics
#		Jerry Jongerius <jerryj@datametrics.com>
sa-msg-port	1646/tcp	sa-msg-port
sa-msg-port	1646/udp	sa-msg-port
#		Eric Whitehill <teawhiteh@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>
inspect	1649/tcp	inspect
inspect	1649/udp	inspect
#		Frank da Cruz <tfdc@watsun.cc.columbia.edu>
nkd	1650/tcp	
nkd	1650/udp	
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 <tscomm@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 <trjrennie@wizvax.net>
sg-lm	1659/tcp	Silicon Grail License Manager
sg-lm	1659/udp	Silicon Grail License Manager
#		William R Bishop <twrb@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 <theearn@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 <tog@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 <trdk@empiretech.com>
sstsys-lm       1692/tcp      sstsys-lm
sstsys-lm       1692/udp      sstsys-lm
#                               Yih-Wu Wang <stsstsys@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
#		Andy Valencia <vandys@vandys-
lap.cisco.com>		
deskshare	1702/tcp	deskshare
deskshare	1702/udp	deskshare
#		Sarah Thompson <tsarah@telergy.com
hb-engine	1703/tcp	hb-engine
hb-engine	1703/udp	hb-engine
#		Charles C.L. Chou <ccchou@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
#		Vadim Lebedev <vadim@magic.fr>
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 <dwdwolff@centra.net>
impera	1710/tcp	impera
impera	1710/udp	impera
#		Kirmo Wilen <kwilen@cst.fi>
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
<tgkajos@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 <tm-
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 <schs02@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
#		Mark Kellerhuis <Mark_Kellerhuis@msn.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/tcp	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@ahiti.blumoon.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>		
sipat	1733/tcp	sipat
sipat	1733/udp	sipat
#		Steve Ryckman <sryckman@pobox.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
<thagbard@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 <tjmac@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 <theearn@hpindacx.cup.hp.com>
remote-winsock 1745/tcp remote-winsock
remote-winsock 1745/udp remote-winsock
# Arnold Miller <arnoldm@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>
aspenservices 1749/tcp aspenservices
aspenservices 1749/udp aspenservices
# Mark B. Hurst <mhurst@aspensres.com>
ssl 1750/tcp Simple Socket Library's PortMaster
ssl 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 <ttkl@pentek.com>
lofr-lm 1752/tcp Leap of Faith Research License Manager
lofr-lm 1752/udp Leap of Faith Research License Manager
#
translogic-lm 1753/tcp Translogic License Manager
translogic-lm 1753/udp Translogic License Manager
# Stan Dallas <stan@translogic.com>
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

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```

#
capfast-lmd      1756/tcp      Bret O'Rourke
capfast-lmd      1756/udp      capfast-lmd
#
cnhrp           1757/tcp      Chuck Neal <ltchuck@phase3.com>
cnhrp           1757/udp      cnhrp
#
William Stoye <ltwstoye@atml.co.uk>
tftp-mcast      1758/tcp      tftp-mcast
tftp-mcast      1758/udp      tftp-mcast
#
Tom Emberson <lttom@lanworks.com>
spss-lm         1759/tcp      SPSS License Manager
spss-lm         1759/udp      SPSS License Manager
#
Tex Hull <lttex@spss.com>
www-ldap-gw     1760/tcp      www-ldap-gw
www-ldap-gw     1760/udp      www-ldap-gw
#
Nick Emery
<ltNick.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
#
Cameron Haight <ltcameron_haight@bmc.com>
bmc-net-svc     1770/tcp      bmc-net-svc
bmc-net-svc     1770/udp      bmc-net-svc
#
Cameron Haight
<ltcameron_haight@bmc.com>&gt;bmc-net-svc
vaultbase       1771/tcp      vaultbase
vaultbase       1771/udp      vaultbase
#
Jose A. Sesin <ltsesin@vaultbase.com>
essweb-gw       1772/tcp      EssWeb Gateway
essweb-gw       1772/udp      EssWeb Gateway
#
Bob Nattenberg
<ltbnattenberg@arborsoft.com>
kmscontrol      1773/tcp      KMSControl
kmscontrol      1773/udp      KMSControl
#
Roy Chastain <ltroy@kmsys.com>
global-dtserv   1774/tcp      global-dtserv
global-dtserv   1774/udp      global-dtserv
#
Nicholas Davies
<ltN.Davies@globalcomm.co.uk>
#
1775/tcp
199z

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femis	1776/tcp	Federal Emergency Management Information System
femis	1776/udp	Federal Emergency Management Information System
#		Larry Gerhardstein
<ltlh_gerhardstein@pnl.gov>		
powerguardian	1777/tcp	powerguardian
powerguardian	1777/udp	powerguardian
#		Charles Bennett <chuck@benatong.com>
prodigy-internet	1778/tcp	prodigy-internet
prodigy-internet	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>
fjris	1783/tcp	Fujitsu Remote Install Service
fjris	1783/udp	Fujitsu Remote Install Service
#		Naohito Nakamura
#		<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>		
eal	1791/tcp	EAL
eal	1791/udp	EAL
#		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 <taj@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 <tcgordon@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@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 <ssl@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 <tabaker@boi.hp.com>
enl	1804/tcp	ENL
enl	1804/udp	ENL
#		Brian Olson <Olson@smg.seagate.com>
enl-name	1805/tcp	ENL-Name
enl-name	1805/udp	ENL-Name
#		Brain Olson <Olson@smg.seagate.com>
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 <ltjerand@jerand.com>
scientia-sdb 1811/tcp Scientia-SDB
scientia-sdb 1811/udp Scientia-SDB
# Ian Miller <ltIan_Miller@scientia.com>
radius 1812/tcp RADIUS
radius 1812/udp RADIUS
# Carl Rigney <ltcdr@livingston.com>
radius-acct 1813/tcp RADIUS Accounting
radius-acct 1813/udp RADIUS Accounting
# Carl Rigney <ltcdr@livingston.com>
tdp-suite 1814/tcp TDP Suite
tdp-suite 1814/udp TDP Suite
# Rob Lockhart <ltrob.lockhart@mot.com>
mmpft 1815/tcp MMPFT
mmpft 1815/udp MMPFT
# Ralf Muckenhirn <ltFAX: 49-7622-398200>
# <ltPhone: 49-7622-3980>
# 1814-1817 Unassigned
etftp 1818/tcp Enhanced Trivial File Transfer Protocol
etftp 1818/udp Enhanced Trivial File Transfer Protocol
# William Polites <ltwpolites@mitre.org>
plato-lm 1819/tcp Plato License Manager
plato-lm 1819/udp Plato License Manager
# Mark Morris <ltmim@ermuk.com>
mcagent 1820/tcp mcagent
mcagent 1820/udp mcagent
# Ryoichi Shinohara
<ltshinohara@VNET.IBM.COM>
donnyworld 1821/tcp donnyworld
donnyworld 1821/udp donnyworld
# Don Oliver <ltndon@donnyworld.com>
es-elmd 1822/tcp es-elmd
es-elmd 1822/udp es-elmd
# David Duncan <ltdduncan@es.com>
unisys-lm 1823/tcp Unisys Natural Language License Manager
unisys-lm 1823/udp Unisys Natural Language License Manager
# Raymond A. Diedrichs
<ltrayd@slu.tr.unisys.com>
metrics-pas 1824/tcp metrics-pas
metrics-pas 1824/udp metrics-pas
# Tom Haapanen <lttomh@metrics.com>
# 1825-1900 Unassigned
fjicl-tep-a 1901/tcp Fujitsu ICL Terminal Emulator Program A
fjicl-tep-a 1901/udp Fujitsu ICL Terminal Emulator Program A
# Bob Lyon <ltbl@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 <ltbl@oasis.icl.co.uk>
linkname 1903/tcp Local Link Name Resolution
linkname 1903/udp Local Link Name Resolution
# Dan Harrington <ltdth@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 <ltbl@oasis.icl.co.uk>
sugp 1905/tcp Secure UP.Link Gateway Protocol
sugp 1905/udp Secure UP.Link Gateway Protocol
# Peter King <ltking@uplanet.com>

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tpmd	1906/tcp	TPortMapperReq
tpmd	1906/udp	TPortMapperReq
#		Sheila Devins <tsheila_devins@VNET.IBM.COM>
intrastar	1907/tcp	IntraSTAR
intrastar	1907/udp	IntraSTAR
#		Peter Schoenberger <tps@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>
#	1908-1910	Unassigned
mtp	1911/tcp	Starlight Networks Multimedia Transport
Protocol		
mtp	1911/tcp	Starlight Networks Multimedia Transport
Protocol		
#		Bruce Lieberman
<brucel@iserver.starlight.com>		
#	1912	Unassigned
#		Tom Lake <ttlake@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>
persoft	1916/tcp	Persoft Persona
persoft	1916/udp	Persoft Persona
#		Tom Spidell <spidell@persoft.com>
noagent	1917/tcp	nOAgent
noagent	1917/udp	nOAgent
#		Martin Bestman <martin@datawatch.de>
can-nds	1918/tcp	Candle Directory Service - NDS
can-nds	1918/udp	Candle Directory Service - NDS
can-dch	1919/tcp	Candle Directory Service - DCH
can-dch	1919/udp	Candle Directory Service - DCH
can-ferret	1920/tcp	Candle Directory Service - FERRET
can-ferret	1920/udp	Candle Directory Service - FERRET
#		Dannis Yang <Dannis_Yang@candle.com>
#	1921-1943	Unassigned
close-combat	1944/tcp	close-combat
close-combat	1944/udp	close-combat
#		David Hua <dthua@microsoft.com>
dialogic-elmd	1945/tcp	dialogic-elmd
dialogic-elmd	1945/udp	dialogic-elmd
#		Roger Kay <tr.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

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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
#           Stephen Dunne <tsdun@isma.co.uk>
bcs-lmserver  1951/tcp   bcs-lmserver
bcs-lmserver  1951/udp   bcs-lmserver
#           Andy Warner <tandyw@knoware.nl>
#           1952-1972 Unassigned
dlsrap        1973/tcp   Data Link Switching Remote Access Protocol
dlsrap        1973/udp   Data Link Switching Remote Access Protocol
#           Steve T. Chiang <tschiang@cisco.com>
#           1974-1984 Unassigned
foliocorp     1985/tcp   Folio Remote Server
foliocorp     1985/udp   Folio Remote Server
#           Eric Isom <teisom@folio.com>
licensedaemon 1986/tcp   cisco license management
licensedaemon 1986/udp   cisco license management
tr-rsrb-p1    1987/tcp   cisco RSRB Priority 1 port
tr-rsrb-p1    1987/udp   cisco RSRB Priority 1 port
tr-rsrb-p2    1988/tcp   cisco RSRB Priority 2 port
tr-rsrb-p2    1988/udp   cisco RSRB Priority 2 port
tr-rsrb-p3    1989/tcp   cisco RSRB Priority 3 port
tr-rsrb-p3    1989/udp   cisco RSRB Priority 3 port
#PROBLEMS!=====
mshnet        1989/tcp   MHSnet system
mshnet        1989/udp   MHSnet system
#           Bob Kummerfeld <tbob@sarad.cs.su.oz.au>
#PROBLEMS!=====
stun-p1       1990/tcp   cisco STUN Priority 1 port
stun-p1       1990/udp   cisco STUN Priority 1 port
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
#PROBLEMS!=====
ipsendmsg     1992/tcp   IPsendmsg
ipsendmsg     1992/udp   IPsendmsg
#           Bob Kummerfeld <tbob@sarad.cs.su.oz.au>
#PROBLEMS!=====
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
callbook      2000/tcp

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callbook	2000/udp	
dc	2001/tcp	
wizard	2001/udp	curry
globe	2002/tcp	
globe	2002/udp	
mailbox	2004/tcp	
emce	2004/udp	CCWS mm conf
berknet	2005/tcp	
oracle	2005/udp	
invokator	2006/tcp	
raid-cc	2006/udp	raid
dectalk	2007/tcp	
raid-am	2007/udp	
conf	2008/tcp	
terminaldb	2008/udp	
news	2009n/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	
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	
device2	2030/tcp	
device2	2030/udp	

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blackboard      2032/tcp
blackboard      2032/udp
glogger         2033/tcp
glogger         2033/udp
scoremgr        2034/tcp
scoremgr        2034/udp
imsldoc         2035/tcp
imsldoc         2035/udp
objectmanager   2038/tcp
objectmanager   2038/udp
lam             2040/tcp
lam             2040/udp
interbase       2041/tcp
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 <ltkchapman@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 <ltbrent@terra.eng.sun.com>
dlsrcpn         2065/tcp   Data Link Switch Read Port Number
dlsrcpn         2065/udp   Data Link Switch Read Port Number
dlswpn          2067/tcp   Data Link Switch Write Port Number
dlswpn          2067/udp   Data Link Switch Write Port Number
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 <ltzephyr-bugs@mit.edu>
minipay         2105/tcp   MiniPay
minipay         2105/udp   MiniPay
#              Amir Herzberg <ltamirh@vnet.ibm.com>
#              2106-2200   Unassigned
ats             2201/tcp   Advanced Training System Program
ats             2201/udp   Advanced Training System Program
#
imtc-map        2202/tcp   Int. Multimedia Teleconferencing Cosortium
imtc-map        2202/udp   Int. Multimedia Teleconferencing Cosortium
#              Pat Galvin <ltpgalvin@databeam.com>
kali            2213/tcp   Kali

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kali          2213/udp    Kali
#            Jay Cotton <JAY@calc.vet.uga.edu>
unreg-ab1    2221/tcp    Allen-Bradley unregistered port
unreg-ab1    2221/udp    Allen-Bradley unregistered port
unreg-ab2    2222/tcp    Allen-Bradley unregistered port
unreg-ab2    2222/udp    Allen-Bradley unregistered port
inreg-ab3    2223/tcp    Allen-Bradley unregistered port
inreg-ab3    2223/udp    Allen-Bradley unregistered port
#
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
#            Steve Benoit <tsbenoi01@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>
#            2240          Unassigned
ivsd         2241/tcp    IVS Daemon
ivsd         2241/udp    IVS Daemon
#            Thierry Turletti <Thierry.Turletti@sophia.inria.fr>

#            2242-2278  Unassigned
xmquery      2279/tcp    xmquery
xmquery      2279/udp    xmquery
#            Niels Christiansen <nchris@austin.ibm.com>
lnvpoller    2280/tcp    LNVPOLLER
lnvpoller    2280/udp    LNVPOLLER
lnvconsole   2281/tcp    LNVCONSOLE
lnvconsole   2281/udp    LNVCONSOLE
lnvalarm     2282/tcp    LNVALARM
lnvalarm     2282/udp    LNVALARM
lnvstatus    2283/tcp    LNVSTATUS
lnvstatus    2283/udp    LNVSTATUS
lnvmaps      2284/tcp    LNVMAPS
lnvmaps      2284/udp    LNVMAPS
lnvmailmon   2285/tcp    LNVMAILMON
lnvmailmon   2285/udp    LNVMAILMON
#            Andrew MacKeith <mackeith@crd.lotus.com>
nas-metering 2286/tcp    NAS-Metering

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nas-metering      2286/udp    NAS-Metering
#                Steven Sawkins <ssawkins@symantec.com>
dna              2287/tcp    DNA
dna              2287/udp    DNA
#                Tung Nguyen <tdash@ricochet.net>
netml            2288/tcp    NETML
netml            2288/udp    NETML
#                Jochen Hansmeyer <jch@krypton.de>
#                2289-2306 Unassigned
pehelp          2307/tcp    pehelp
pehelp          2307/udp    pehelp
#                Jens Kilian <jens@hpbeo82.bbn.hp.com>
#                2308-2400 Unassigned
cvspserver      2401/tcp    cvspserver
cvspserver      2401/udp    cvspserver
#                Jim Kingdon <jkingdon@harvey.cyclic.com>
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>
hp-3000-telnet  2564/tcp    HP 3000 NS/VT block mode telnet
netrek          2592/tcp    netrek
netrek          2592/udp    netrek
tqdata          2700/tcp    tqdata
tqdata          2700/udp    tqdata
#                Al Guetzlaff <aeg@teamquest.com>

#                Unassigned

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>
#                2789-2907 Unassigned
mao            2908/tcp    mao
mao            2908/udp    mao
#                Marc Baudoin <babafou@ensta.fr>
#                2909-2999 Unassigned

hbc            3000/tcp    HBCI
hbc            3000/udp    HBCI
#                Kurt Haubner <thaubner@ibm.net>

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redwood-broker 3001/tcp Redwood Broker
redwood-broker 3001/udp Redwood Broker
# Joseph Morrison <joe@powerframe.com>
exlm-agent 3002/tcp EXLM Agent
exlm-agent 3002/udp EXLM Agent
# Randy Martin <texlmoc@clemsun.edu>
# 3003-3009 Unassigned
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
# Alex Duncan <alex.duncan@sse.ie>
# 3012-3046 Unassigned
hlserver 3047/tcp Fast Security HL Server
hlserver 3047/udp Fast Security HL Server
# Michael Zunke <tmzunke@fast-ag.de>
pctrader 3048/tcp Sierra Net PC Trader
pctrader 3048/udp Sierra Net PC Trader
# Chris Hahn <chris@sierra.net>
NSWS 3049/tcp
NSWS 3049/udp
vmodem 3141/tcp VMODEM
vmodem 3141/udp VMODEM
# Ray Gwinn <tp00321@psilink.com>
rdc-wh-eos 3142/tcp RDC WH EOS
rdc-wh-eos 3142/udp RDC WH EOS
# Udi Nir <tudi_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 <trogerb@sco.com>
csi-lfap 3145/tcp CSI-LFAP
csi-lfap 3145/udp CSI-LFAP
# Paul Amsden <tamsden@ctron.com>
# 3146-3263 Unassigned
ccmail 3264/tcp cc:mail/lotus
ccmail 3264/udp cc:mail/lotus
dec-notes 3333/tcp DEC Notes
dec-notes 3333/udp DEC Notes
# Kim Moraros <moraros@via.enet.dec.com>
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 <tjch@unirsvl.rsvl.unisys.com>
bmap 3421/tcp Bull Apprise portmapper
bmap 3421/udp Bull Apprise portmapper
# Jeremy Gilbert <J.Gilbert@ma30.bull.com>
#
mira 3454/tcp Apple Remote Access Protocol

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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>
#	4455-4499	Unassigned
sae-urn	4500/tcp	sae-urn
sae-urn	4500/udp	sae-urn
urn-x-cdchoice	4501/tcp	urn-x-cdchoice
urn-x-cdchoice	4501/udp	urn-x-cdchoice
#		Paul Hoffman <phoffman@proper.com>
rfa	4672/tcp	remote file access server
rfa	4672/udp	remote file access server
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
claris-fmpro	5003/tcp	Claris FileMaker Pro
claris-fmpro	5003/udp	Claris FileMaker Pro
#		Jon Thatcher <jon_thatcher@qm.claris.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>		
telepathstart	5010/tcp	TelepathStart
telepathstart	5010/udp	TelepathStart
telepathattack	5011/tcp	TelepathAttack
telepathattack	5011/udp	TelepathAttack
#		Helmuth Breitenfellner <hbreitenf@vnet.imb.com>
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 Suzuki <susakim@noa.nttdata.jp>
mmcc	5050/tcp	multimedia conference control tool
mmcc	5050/udp	multimedia conference control tool
#		Steve Casner <Casner@isi.edu>
rmonitor_secure	5145/tcp	
rmonitor_secure	5145/udp	
atmp	5150/tcp	Ascend Tunnel Management Protocol
atmp	5150/udp	Ascend Tunnel Management Protocol
#		Kory Hamzeh <kory@ascend.com>
aol	5190/tcp	America-Online
aol	5190/udp	America-Online
#		Marty Lyons <marty@aol.com>
aol-1	5191/tcp	AmericaOnline1

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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 <ltBAMackey@aol.com>
padl2sim       5236/tcp
padl2sim       5236/udp

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
hacl-test      5305/tcp    # HA Cluster Test
hacl-test      5305/udp
#             Eric Soderberg
<ltseric@hposl102.cup.hp>
#             Edward Yim <lteyim@hpmfas4.cup.hp.com>
excerpt        5400/tcp    Excerpt Search
excerpt        5400/udp    Excerpt Search
excerpt        5401/tcp    Excerpt Search Secure
excerpt        5401/udp    Excerpt Search Secure
#             John Hinsdale <lthin@alma.com>
personal-agent 5555/tcp    Personal Agent
personal-agent 5555/udp    Personal Agent
#             Jackie Wu <ltjackiew@infoseek.com>
pcanywheredata 5631/tcp    pcANYWHEREdata
pcanywheredata 5631/udp    pcANYWHEREdata
pcanywherestat 5632/tcp    pcANYWHEREstat
pcanywherestat 5632/udp    pcANYWHEREstat
#             Jon Rosarky <ltJRosarky@symantec.com>
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 <ltmmiller@MICROSOFT.com>
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
#             <ltgunner@ibeam.intel.com>
openmail       5729/tcp    Openmail User Agent Layer
openmail       5729/udp    Openmail User Agent Layer
openmailg      5755/tcp    OpenMail Desk Gateway server
openmailg      5755/udp    OpenMail Desk Gateway server

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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)
#              OpenMail Encyclopedia
<mailto:topencyc@hpopd.pwd.hp.com>
#              Don Loughry <DON_LOUGHRY@hp-cupertino-
om4.om.hp.com>
fcopy-server   5745/tcp      fcopy-server
fcopy-server   5745/udp      fcopy-server
#              Moshe Leibovitch <moshe@softlinkusa.com>
x11            6000-6063/tcp X Window System
x11            6000-6063/udp X Window System
#              Stephen Gildea <gildea@expo.lcs.mit.edu>
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 <tsk@tleilaxu.sde.hp.com>
dtspcd        6112/tcp      dtspcd
dtspcd        6112/udp      dtspcd
#              Doug Royer <Doug.Royer@eng.sun.com>
backup-express 6123/tcp      Backup Express
backup-express 6123/udp      Backup Express
#              Chi Shih Chang <cchang@syncsort.com>
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
#              Kevin Massey <massey@aspentec.com>
watershed-lm  6143/tcp      Watershed License Manager
watershed-lm  6143/udp      Watershed License Manager
#              David Ferrero <david@zion.com>
statscil-lm   6144/tcp      StatSci License Manager - 1
statscil-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>
crip          6253/tcp      CRIP
crip          6253/udp      CRIP
#              Mike Rodbell <mrodbell@ciena.com>
clariion-evr01 6389/tcp      clariion-evr01

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clariion-evr01 6389/udp clariion-evr01
# Dave DesRoches &lt;ddesroches@clariion.com>
skip-cert-recv 6455/tcp SKIP Certificate Receive
skip-cert-send 6456/tcp SKIP Certificate Send
# Tom Markson &lt;markson@osmosys.incog.com>
xdsx dm 6558/tcp
xdsx dm 6558/udp
vocaltec-gold 6670/tcp Vocaltec Global Online Directory
vocaltec-gold 6670/udp Vocaltec Global Online Directory
# Scott Petrack &lt;Scott_Petrack@vocaltec.com>
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 &lt;CKramer@gis.shl.com>
ambit-lm 6831/tcp ambit-lm
ambit-lm 6831/udp ambit-lm
# Don Hejna &lt;dhejna@ambit.com>
acmsoda 6969/tcp acmsoda
acmsoda 6969/udp acmsoda
# Daniel Simms &lt;dsimms@acm.uiuc.edu>
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-volser 7005/tcp volume managment server
afs3-volser 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
# Brian Hammill &lt;brianh@exide.com>
lazy-ptop 7099/tcp lazy-ptop
lazy-ptop 7099/udp lazy-ptop
# Guy Keren &lt;Guy_Keren@mail.stil.scitex.com>
font-service 7100/tcp X Font Service
font-service 7100/udp X Font Service
# Stephen Gildea &lt;gildea@expo.lcs.mit.edu>
virprot-lm 7121/tcp Virtual Prototypes License Manager
virprot-lm 7121/tcp Virtual Prototypes License Manager
# Victor Galis &lt;galis@satchmo.virtualprototypes.ca>
clutild 7174/tcp Clutild
clutild 7174/tcp Clutild
# Cheryl Stoutenburg
&lt;stoutenburg@vnet.ibm.com>

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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>
wingedit       7395/tcp    wingedit
wingedit       7395/udp    wingedit
#             David Greer <david_greer@robelle.com>
telops-lmd     7491/tcp    telops-lmd
telops-lmd     7491/udp    telops-lmd
#             David Spencer <dspencer@telops.com>
pafec-lm       7511/tcp    pafec-lm
pafec-lm       7511/udp    pafec-lm
#             Billy Dhillon <bdsos@pafec.co.uk>
cbt            7777/tcp    cbt
cbt            7777/udp    cbt
#             Tony Ballardie <A.Ballardie@cs.ucl.ac.uk>
accu-lmgr      7781/tcp    accu-lmgr
accu-lmgr      7781/udp    accu-lmgr
#             Moises E. Hernandez
<moises@accugraph.com>
irdmi2         7999/tcp    iRDMI2
irdmi2         7999/udp    iRDMI2
irdmi          8000/tcp    iRDMI
irdmi          8000/udp    iRDMI
#             Gil Shafriri
<shafriri@ilccml.iil.intel.com>
pro-ed         8032/tcp    ProEd
pro-ed         8032/udp    ProEd
#             L.S. Tusoni <tlarry@goldrush.com>
npmp           8450/tcp    npmp
npmp           8450/udp    npmp
#             Ian Chard <tian@tanagra.demon.co.uk>
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 Date UDP 4: FARM product
ddi-tcp-6      8893/tcp    Desktop Data TCP 5: NewsEDGE/Web
application
ddi-udp-6      8893/udp    Desktop Date UDP 5: NewsEDGE/Web
application
ddi-tcp-7      8894/tcp    Desktop Data TCP 6: COAL application
ddi-udp-7      8894/udp    Desktop Date UDP 6: COAL application
#             Fred Yao
<Fred_Yao@DDIGATE2.desktopdata.com>
cslistener     9000/tcp    CSlistener
cslistener     9000/udp    CSlistener
#             David Jones <djones@cincom.com>
man            9535/tcp
man            9535/udp

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sd          9876/tcp    Session Director
sd          9876/udp    Session Director
#
#          9877-9991    Unassigned
palace     9992/tcp    Palace
palace     9992/udp    Palace
palace     9993/tcp    Palace
palace     9993/udp    Palace
palace     9994/tcp    Palace
palace     9994/udp    Palace
palace     9995/tcp    Palace
palace     9995/udp    Palace
palace     9996/tcp    Palace
palace     9996/udp    Palace
palace     9997/tcp    Palace
palace     9997/udp    Palace
#
distinct32 9998/tcp    Distinct32
distinct32 9998/udp    Distinct32
distinct   9999/tcp    distinct
distinct   9999/udp    distinct
#
ndmp       10000/tcp   Network Data Management Protocol
ndmp       10000/udp  Network Data Management Protocol
#
tsaf       12753/tcp   tsaf port
tsaf       12753/udp  tsaf port
#
#          Andreas Fehr <100042.2070@CompuServe.COM>

isode-dua  17007/tcp
isode-dua  17007/udp
biimenu    18000/tcp   Beckman Instruments, Inc.
biimenu    18000/udp  Beckman Instruments, Inc.
                R. L. Meyering
                <RLMEYERING@BIIVAX.DP.BECKMAN.COM>
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
#
wnn6       22273/tcp   wnn6
wnn6       22273/udp  wnn6
#
#          Yasunari Gon Yamasita
                <tyamasita@omronsoft.co.jp>
vocaltec-wconf 22555/tcp   Vocaltec Web Conference
vocaltec-phone 22555/udp   Vocaltec Internet Phone
#
#          Scott Petrack <Scott_Petrack@vocaltec.com>
aws-brf     22800/tcp   Telerate Information Platform LAN
aws-brf     22800/udp  Telerate Information Platform LAN
#
#          Timo Sivonen
                <timo.sivonen@cmail.dowjones.com>

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brf-gw          22951/tcp Telerate Information Platform WAN
brf-gw          22951/udp Telerate Information Platform WAN
#              Timo Sivonen
&lt;timo.sivonen@ccmail.dowjones.com>
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 &lt;J.A.Sever@bra0119.wins.icl.co.uk>
vocaltec-hos   25793/tcp Vocaltec Address Server
vocaltec-hos   25793/udp Vocaltec Address Server
#              Scott Petrack &lt;Scott_Petrack@vocaltec.com>
quake          26000/tcp quake
quake          26000/udp quake
wnn6-ds        26208/tcp wnn6-ds
wnn6-ds        26208/udp wnn6-ds
#              Yasunari Gon Yamasita
&lt;yamasita@omronsoft.co.jp>

dbbrowse       47557/tcp Databeam Corporation
dbbrowse       47557/udp Databeam Corporation
#              Cindy Martin &lt;tcmartin@databeam.com>

ap             47806/tcp ALC Protocol
ap             47806/udp ALC Protocol
#              Andrew Newton &lt;alnewton@automatedlogic.com>
bacnet         47808/tcp Building Automation and Control Networks
bacnet         47808/udp Building Automation and Control Networks
#              H. Michael Newman &lt;hmn2@cornell.edu>

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DYNAMIC AND/OR PRIVATE PORTS

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

REFERENCES

[RFC768] Postel, J., "User Datagram Protocol", STD 6, RFC 768, USC/Information Sciences Institute, August 1980.

[RFC793] Postel, J., ed., "Transmission Control Protocol - DARPA
Internet Program Protocol Specification", STD 7, RFC 793,
USC/Information Sciences Institute, September 1981.