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# The range for assigned ports managed by the IANA is 0-1023.
#
# Port Assignments:
#
# Keyword          Decimal      Description          References
# -----          -
#                  0/tcp       Reserved
#                  0/udp       Reserved
#                  Jon Postel <postel@isi.edu>
tcpmux            1/tcp       # TCP Port Service Multiplexer
tcpmux            1/udp       # TCP Port Service Multiplexer
#                  Mark Lottor <MKL@nisc.sri.com>
compressnet      2/tcp       # Management Utility
compressnet      2/udp       # Management Utility
compressnet      3/tcp       # Compression Process
compressnet      3/udp       # Compression Process
#                  Bernie Volz <volz@cisco.com>
#                  4/tcp       # Unassigned
#                  4/udp       # Unassigned
rje               5/tcp       # Remote Job Entry
rje               5/udp       # Remote Job Entry
#                  Jon Postel <postel@isi.edu>
#                  6/tcp       # Unassigned
#                  6/udp       # Unassigned
echo              7/tcp       Echo
echo              7/udp       Echo
#                  Jon Postel <postel@isi.edu>
#                  8/tcp       # Unassigned
#                  8/udp       # Unassigned
discard           9/tcp       # Discard
discard           9/udp       # Discard
#                  Jon Postel <postel@isi.edu>
#                  10/tcp      # Unassigned
#                  10/udp      # Unassigned
sysstat          11/tcp      users # Active Users
sysstat          11/udp      users # Active Users
#                  Jon Postel <postel@isi.edu>
#                  12/tcp      # Unassigned
#                  12/udp      # Unassigned
daytime          13/tcp      # Daytime (RFC 867)
daytime          13/udp      # Daytime (RFC 867)
#                  Jon Postel <postel@isi.edu>
#                  14/tcp      # Unassigned
#                  14/udp      # Unassigned
netstat          15/tcp      # Unassigned [was netstat]
#                  15/udp      # Unassigned
#                  16/tcp      # Unassigned
#                  16/udp      # Unassigned
qotd             17/tcp      quote # Quote of the Day
qotd             17/udp      quote # Quote of the Day
#                  Jon Postel <postel@isi.edu>
msp             18/tcp      # Message Send Protocol
msp             18/udp      # Message Send Protocol
#                  Rina Nethaniel <----none---->
chargen         19/tcp      # Character Generator
chargen         19/udp      # Character Generator
ftp-data        20/tcp      # File Transfer [Default Data]
ftp-data        20/udp      # File Transfer [Default Data]
ftp             21/tcp      # File Transfer [Control]
fsp             21/udp      # File Transfer [Control]
#                  Jon Postel <postel@isi.edu>
ssh             22/tcp      # SSH Remote Login Protocol
ssh             22/udp      # SSH Remote Login Protocol
#                  Tatu Ylonen <ylo@cs.hut.fi>

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telnet          23/tcp    # Telnet
telnet          23/udp    # Telnet
#
#              24/tcp    any private mail system
#              24/udp    any private mail system
#              Rick Adams <rick@UUNET.UU.NET>
smtp           25/tcp    mail          # Simple Mail Transfer
smtp           25/udp    mail          # Simple Mail Transfer
#
#              26/tcp    # Unassigned
#              26/udp    # Unassigned
nsw-fe         27/tcp    # NSW User System FE
nsw-fe         27/udp    # NSW User System FE
#              Robert Thomas <BThomas@F.BBN.COM>
#              28/tcp    # Unassigned
#              28/udp    # Unassigned
msg-icp        29/tcp    # MSG ICP
msg-icp        29/udp    # MSG ICP
#              Robert Thomas <BThomas@F.BBN.COM>
#              30/tcp    # Unassigned
#              30/udp    # Unassigned
msg-auth       31/tcp    # MSG Authentication
msg-auth       31/udp    # MSG Authentication
#              Robert Thomas <BThomas@F.BBN.COM>
#              32/tcp    # Unassigned
#              32/udp    # Unassigned
dsp            33/tcp    # Display Support Protocol
dsp            33/udp    # Display Support Protocol
#              Ed Cain <cain@edn-unix.dca.mil>
#              34/tcp    # Unassigned
#              34/udp    # Unassigned
#              35/tcp    any private printer server
#              35/udp    any private printer server
#              Jon Postel <postel@isi.edu>
#              36/tcp    # Unassigned
#              36/udp    # Unassigned
time           37/tcp    # Time
time           37/udp    # Time
#              Jon Postel <postel@isi.edu>
rap            38/tcp    # Route Access Protocol
rap            38/udp    # Route Access Protocol
#              Robert Ullmann <ariel@world.std.com>
rlp            39/tcp    # Resource Location Protocol
rlp            39/udp    # Resource Location Protocol
#              Mike Accetta <MIKE.ACETTA@CMU-CS-A.EDU>
#              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
nickname       43/tcp    whois        # Who Is
nickname       43/udp    whois        # Who Is
mpm-flags      44/tcp    # MPM FLAGS Protocol
mpm-flags      44/udp    # MPM FLAGS Protocol
mpm            45/tcp    # Message Processing Module [recv]
mpm            45/udp    # Message Processing Module [recv]
mpm-snd        46/tcp    # MPM [default send]
mpm-snd        46/udp    # MPM [default send]
#              Jon Postel <postel@isi.edu>
ni-ftp         47/tcp    # NI FTP
ni-ftp         47/udp    # NI FTP

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# Steve Kille <S.Kille@isode.com>
auditd 48/tcp # Digital Audit Daemon
auditd 48/udp # Digital Audit Daemon
# Larry Scott <scott@zk3.dec.com>
tacacs 49/tcp # Login Host Protocol (TACACS)
tacacs 49/udp # Login Host Protocol (TACACS)
# Pieter Ditmars <pditmars@BBN.COM>
re-mail-ck 50/tcp # Remote Mail Checking Protocol
re-mail-ck 50/udp # Remote Mail Checking Protocol
# Steve Dorner <s-dorner@UIUC.EDU>
la-maint 51/tcp # IMP Logical Address Maintenance
la-maint 51/udp # IMP Logical Address Maintenance
# Andy Malis <malis_a@timeplex.com>
xns-time 52/tcp # XNS Time Protocol
xns-time 52/udp # XNS Time Protocol
# Susie Armstrong <Armstrong.wbst128@XEROX>
domain 53/tcp # Domain Name Server
domain 53/udp # Domain Name Server
# Paul Mockapetris <PVM@ISI.EDU>
xns-ch 54/tcp # XNS Clearinghouse
xns-ch 54/udp # XNS Clearinghouse
# Susie Armstrong <Armstrong.wbst128@XEROX>
isi-gl 55/tcp # ISI Graphics Language
isi-gl 55/udp # ISI Graphics Language
xns-auth 56/tcp # XNS Authentication
xns-auth 56/udp # XNS Authentication
# Susie Armstrong <Armstrong.wbst128@XEROX>
# 57/tcp any private terminal access
# 57/udp any private terminal access
# Jon Postel <postel@isi.edu>
xns-mail 58/tcp # XNS Mail
xns-mail 58/udp # XNS Mail
# Susie Armstrong <Armstrong.wbst128@XEROX>
# 59/tcp any private file service
# 59/udp any private file service
# Jon Postel <postel@isi.edu>
# 60/tcp Unassigned
# 60/udp Unassigned
ni-mail 61/tcp # NI MAIL
ni-mail 61/udp # NI MAIL
# Steve Kille <S.Kille@isode.com>
acas 62/tcp # ACA Services
acas 62/udp # ACA Services
# E. Wald <ewald@via.enet.dec.com>
whois++ 63/tcp # whois++
whois++ 63/udp # whois++
# Rickard Schoultz <schoultz@sunet.se>
covia 64/tcp # Communications Integrator (CI)
covia 64/udp # Communications Integrator (CI)
# Dan Smith <dan.smith@den.galileo.com>
tacacs-ds 65/tcp # TACACS-Database Service
tacacs-ds 65/udp # TACACS-Database Service
# Kathy Huber <khuber@bbn.com>
sql*net 66/tcp # Oracle SQL*NET
sql*net 66/udp # Oracle SQL*NET
# Jack Haverty <jhaverty@ORACLE.COM>
bootps 67/tcp # Bootstrap Protocol Server
bootps 67/udp # Bootstrap Protocol Server
bootpc 68/tcp # Bootstrap Protocol Client
bootpc 68/udp # Bootstrap Protocol Client
# Bill Croft <Croft@SUMEX-AIM.STANFORD.EDU>
tftp 69/tcp # Trivial File Transfer
tftp 69/udp # Trivial File Transfer
# David Clark <ddc@LCS.MIT.EDU>

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gopher          70/tcp      # Gopher
gopher          70/udp      # Gopher
#              Mark McCahill <mpm@boombox.micro.umn.edu>
netrjs-1        71/tcp      # Remote Job Service
netrjs-1        71/udp      # Remote Job Service
netrjs-2        72/tcp      # Remote Job Service
netrjs-2        72/udp      # Remote Job Service
netrjs-3        73/tcp      # Remote Job Service
netrjs-3        73/udp      # Remote Job Service
netrjs-4        74/tcp      # Remote Job Service
netrjs-4        74/udp      # Remote Job Service
#              Bob Braden <Braden@ISI.EDU>
#              75/tcp      any private dial out service
#              75/udp      any private dial out service
#              Jon Postel <postel@isi.edu>
deos            76/tcp      # Distributed External Object Store
deos            76/udp      # Distributed External Object Store
#              Robert Ullmann <ariel@world.std.com>
#              77/tcp      any private RJE service
#              77/udp      any private RJE service
#              Jon Postel <postel@isi.edu>
vettcp         78/tcp      # vettcp
vettcp         78/udp      # vettcp
#              Christopher Leong <leong@kolmod.mlo.dec.com>
finger         79/tcp      # Finger
finger         79/udp      # Finger
#              David Zimmerman <dpz@RUTGERS.EDU>
http           80/tcp      # World Wide Web HTTP
http           80/udp      # World Wide Web HTTP
www            80/tcp      # World Wide Web HTTP
www            80/udp      # World Wide Web HTTP
www-http       80/tcp      # World Wide Web HTTP
www-http       80/udp      # World Wide Web HTTP
#              Tim Berners-Lee <timbl@W3.org>
hosts2-ns      81/tcp      # HOSTS2 Name Server
hosts2-ns      81/udp      # HOSTS2 Name Server
#              Earl Killian <EAK@MORDOR.S1.GOV>
xfer           82/tcp      # XFER Utility
xfer           82/udp      # XFER Utility
#              Thomas M. Smith <Thomas.M.Smith@lmco.com>
mit-ml-dev     83/tcp      # MIT ML Device
mit-ml-dev     83/udp      # MIT ML Device
#              David Reed <---none--->
ctf            84/tcp      # Common Trace Facility
ctf            84/udp      # Common Trace Facility
#              Hugh Thomas <thomas@oils.enet.dec.com>
mit-ml-dev     85/tcp      # MIT ML Device
mit-ml-dev     85/udp      # MIT ML Device
#              David Reed <---none--->
mfcobol        86/tcp      # Micro Focus Cobol
mfcobol        86/udp      # Micro Focus Cobol
#              Simon Edwards <---none--->
#              87/tcp      any private terminal link
#              87/udp      any private terminal link
#              Jon Postel <postel@isi.edu>
kerberos       88/tcp      # Kerberos
kerberos       88/udp      # Kerberos
#              B. Clifford Neuman <bcn@isi.edu>
su-mit-tg      89/tcp      # SU/MIT Telnet Gateway
su-mit-tg      89/udp      # SU/MIT Telnet Gateway
#              Mark Crispin <MRC@PANDA.COM>
##### PORT 90 also being used unofficially by Pointcast #####
dnsix          90/tcp      # DNSIX Securit Attribute Token Map
dnsix          90/udp      # DNSIX Securit Attribute Token Map

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# Charles Watt <watt@sware.com>
mit-dov 91/tcp # MIT Dover Spooler
mit-dov 91/udp # MIT Dover Spooler
# Eliot Moss <EBM@XX.LCS.MIT.EDU>
npp 92/tcp # Network Printing Protocol
npp 92/udp # Network Printing Protocol
# Louis Mamakos <louie@sayshell.umd.edu>
dcp 93/tcp # Device Control Protocol
dcp 93/udp # Device Control Protocol
# Daniel Tappan <Tappan@BBN.COM>
objcall 94/tcp # Tivoli Object Dispatcher
objcall 94/udp # Tivoli Object Dispatcher
# Tom Bereiter <---none--->
supdup 95/tcp # SUPDUP
supdup 95/udp # SUPDUP
# Mark Crispin <MRC@PANDA.COM>
dixie 96/tcp # DIXIE Protocol Specification
dixie 96/udp # DIXIE Protocol Specification
# Tim Howes <Tim.Howes@terminator.cc.umich.edu>
swift-rvf 97/tcp # Swift Remote Virtual File Protocol
swift-rvf 97/udp # Swift Remote Virtual File Protocol
# Maurice R. Turcotte
# <mailrus!uflorida!rml!dnmrt%rmatl@uunet.UU.NET>
tacnews 98/tcp # TAC News
tacnews 98/udp # TAC News
# Jon Postel <postel@isi.edu>
metagram 99/tcp # Metagram Relay
metagram 99/udp # Metagram Relay
# Geoff Goodfellow <Geoff@FERNWOOD.MPK.CA.US>
newacct 100/tcp # [unauthorized use]
hostname 101/tcp # NIC Host Name Server
hostname 101/udp # NIC Host Name Server
# Jon Postel <postel@isi.edu>
iso-tsap 102/tcp # ISO-TSAP Class 0
iso-tsap 102/udp # ISO-TSAP Class 0
# Marshall Rose <mrose@dbc.mtview.ca.us>
gppitnp 103/tcp # Genesis Point-to-Point Trans Net
gppitnp 103/udp # Genesis Point-to-Point Trans Net
acr-nema 104/tcp # ACR-NEMA Digital Imag. & Comm. 300
acr-nema 104/udp # ACR-NEMA Digital Imag. & Comm. 300
# Patrick McNamee <---none--->
cso 105/tcp # CCSO name server protocol
cso 105/udp # CCSO name server protocol
# Martin Hamilton <martin@mrll.lut.as.uk>
csnet-ns 105/tcp # Mailbox Name Nameserver
csnet-ns 105/udp # Mailbox Name Nameserver
# Marvin Solomon <solomon@CS.WISC.EDU>
3com-tsmux 106/tcp # 3COM-TSMUX
3com-tsmux 106/udp # 3COM-TSMUX
# Jeremy Siegel <jzs@NSD.3Com.COM>
##### 106 Unauthorized use by insecure poppassd protocol
rtelnet 107/tcp # Remote Telnet Service
rtelnet 107/udp # Remote Telnet Service
# Jon Postel <postel@isi.edu>
snagas 108/tcp # SNA Gateway Access Server
snagas 108/udp # SNA Gateway Access Server
# Kevin Murphy <murphy@sevens.lkg.dec.com>
pop2 109/tcp # Post Office Protocol - Version 2
pop2 109/udp # Post Office Protocol - Version 2
# Joyce K. Reynolds <jkrey@isi.edu>
pop3 110/tcp # Post Office Protocol - Version 3
pop3 110/udp # Post Office Protocol - Version 3
# Marshall Rose <mrose@dbc.mtview.ca.us>
sunrpc 111/tcp rpcbind # SUN Remote Procedure Call

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sunrpc      111/udp      rpcbind # SUN Remote Procedure Call
#           #           Chuck McManis <cmcmanis@freegate.net>
mcidas     112/tcp      # McIDAS Data Transmission Protocol
mcidas     112/udp      # McIDAS Data Transmission Protocol
#           #           Glenn Davis <support@unidata.ucar.edu>
ident      113/tcp      #
auth       113/tcp      # Authentication Service
auth       113/udp      # Authentication Service
#           #           Mike St. Johns <stjohns@arpa.mil>
#           #           Deprecated June 2004
sftp       115/tcp      # Simple File Transfer Protocol
sftp       115/udp      # Simple File Transfer Protocol
#           #           Mark Lottor <MKL@nisc.sri.com>
ansanotify 116/tcp      # ANSA REX Notify
ansanotify 116/udp      # ANSA REX Notify
#           #           Nicola J. Howarth <njh@ansa.co.uk>
uucp-path  117/tcp      # UUCP Path Service
uucp-path  117/udp      # UUCP Path Service
sqlserv    118/tcp      # SQL Services
sqlserv    118/udp      # SQL Services
#           #           Larry Barnes <barnes@broke.enet.dec.com>
nntp       119/tcp      # Network News Transfer Protocol
nntp       119/udp      # Network News Transfer Protocol
#           #           Phil Lapsley <phil@UCBARPA.BERKELEY.EDU>
cfdpckt    120/tcp      # CFDPTKT
cfdpckt    120/udp      # CFDPTKT
#           #           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
#           #           Pierre Arnaud <pierre.arnaud@iname.com>
ntp         123/tcp      # Network Time Protocol
ntp         123/udp      # Network Time Protocol
#           #           Dave Mills <Mills@HUEY.UDEL.EDU>
ansatrader 124/tcp      # ANSA REX Trader
ansatrader 124/udp      # ANSA REX Trader
#           #           Nicola J. Howarth <njh@ansa.co.uk>
locus-map  125/tcp      # Locus PC-Interface Net Map Ser
locus-map  125/udp      # Locus PC-Interface Net Map Ser
#           #           Eric Peterson <lcc.eric@SEAS.UCLA.EDU>
nxedit     126/tcp      # NXEdit
nxedit     126/udp      # NXEdit
#           #           Don Payette <Don.Payette@unisys.com>
#####Port 126 Previously assigned to application below#####
#unitary   126/tcp      # Unisys Unitary Login
#unitary   126/udp      # Unisys Unitary Login
#           #           <feil@kronos.nisd.cam.unisys.com>
#####Port 126 Previously assigned to application above#####
locus-con  127/tcp      # Locus PC-Interface Conn Server
locus-con  127/udp      # Locus PC-Interface Conn Server
#           #           Eric Peterson <lcc.eric@SEAS.UCLA.EDU>
gss-xlicen 128/tcp      # GSS X License Verification
gss-xlicen 128/udp      # GSS X License Verification
#           #           John Light <johnl@gssc.gss.com>
pwdgen     129/tcp      # Password Generator Protocol
pwdgen     129/udp      # Password Generator Protocol
#           #           Frank J. Wacho <WANCHO@WSMR-SIMTEL20.ARMY.MIL>
cisco-fna  130/tcp      # cisco FNATIVE
cisco-fna  130/udp      # cisco FNATIVE
cisco-tna  131/tcp      # cisco TNATIVE
cisco-tna  131/udp      # cisco TNATIVE
cisco-sys  132/tcp      # cisco SYSMOINT

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cisco-sys      132/udp      # cisco SYSMAINT
statsrv        133/tcp      # Statistics Service
statsrv        133/udp      # Statistics Service
#              Dave Mills <Mills@HUEY.UDEL.EDU>
ingres-net     134/tcp      # INGRES-NET Service
ingres-net     134/udp      # INGRES-NET Service
#              Mike Berrow <----none---->
epmap          135/tcp      # DCE endpoint resolution
epmap          135/udp      # DCE endpoint resolution
#              Joe Pato <pato@apollo.hp.com>
profile        136/tcp      # PROFILE Naming System
profile        136/udp      # PROFILE Naming System
#              Larry Peterson <llp@ARIZONA.EDU>
netbios-ns     137/tcp      # NETBIOS Name Service
netbios-ns     137/udp      # NETBIOS Name Service
netbios-dgm    138/tcp      # NETBIOS Datagram Service
netbios-dgm    138/udp      # NETBIOS Datagram Service
netbios-ssn    139/tcp      # NETBIOS Session Service
netbios-ssn    139/udp      # NETBIOS Session Service
#              Jon Postel <postel@isi.edu>
emfis-data     140/tcp      # EMFIS Data Service
emfis-data     140/udp      # EMFIS Data Service
emfis-cntl     141/tcp      # EMFIS Control Service
emfis-cntl     141/udp      # EMFIS Control Service
#              Gerd Beling <GBELING@ISI.EDU>
bl-idm         142/tcp      # Britton-Lee IDM
bl-idm         142/udp      # Britton-Lee IDM
#              Susie Snitzer <----none---->
imap           143/tcp      imap2 # Internet Message Access Protocol
imap           143/udp      imap2 # Internet Message Access Protocol
#              Mark Crispin <MRC@CAC.Washington.EDU>
uma            144/tcp      # Universal Management Architecture
uma            144/udp      # Universal Management Architecture
#              Jay Whitney <jw@powercenter.com>
uaac           145/tcp      # UAAC Protocol
uaac           145/udp      # UAAC Protocol
#              David A. Gomberg <gomberg@GATEWAY.MITRE.ORG>
iso-tp0        146/tcp      # ISO-IP0
iso-tp0        146/udp      # ISO-IP0
iso-ip         147/tcp      # ISO-IP
iso-ip         147/udp      # ISO-IP
#              Marshall Rose <mrose@dbc.mtview.ca.us>
jargon         148/tcp      # Jargon
jargon         148/udp      # Jargon
#              Bill Weinman <wew@bearnnet.com>
aed-512        149/tcp      # AED 512 Emulation Service
aed-512        149/udp      # AED 512 Emulation Service
#              Albert G. Broscius <broscius@DSL.CIS.UPENN.EDU>
sql-net        150/tcp      # SQL-NET
sql-net        150/udp      # SQL-NET
#              Martin Picard <----none---->
hems           151/tcp      # HEMS
hems           151/udp      # HEMS
bftp           152/tcp      # Background File Transfer Program
bftp           152/udp      # Background File Transfer Program
#              Annette DeSchon <DESCHON@ISI.EDU>
sgmp           153/tcp      # SGMP
sgmp           153/udp      # SGMP
#              Marty Schoffstahl <schoff@NISC.NYSER.NET>
netsc-prod     154/tcp      # NETSC
netsc-prod     154/udp      # NETSC
netsc-dev      155/tcp      # NETSC
netsc-dev      155/udp      # NETSC
#              Sergio Heker <heker@JVNCC.CSC.ORG>

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sqlsrv      156/tcp    # SQL Service
sqlsrv      156/udp    # SQL Service
#           Craig Rogers <Rogers@ISI.EDU>
knet-cmp    157/tcp    # KNET/VM Command/Message Protocol
knet-cmp    157/udp    # KNET/VM Command/Message Protocol
#           Gary S. Malkin <GMALKIN@XYLOGICS.COM>
pcmail-srv  158/tcp    # PCMail Server
pcmail-srv  158/udp    # PCMail Server
#           Mark L. Lambert <markl@PTT.LCS.MIT.EDU>
nss-routing 159/tcp    # NSS-Routing
nss-routing 159/udp    # NSS-Routing
#           Yakov Rekhter <Yakov@IBM.COM>
sgmp-traps  160/tcp    # SGMP-TRAPS
sgmp-traps  160/udp    # SGMP-TRAPS
#           Marty Schoffstahl <schoff@NISC.NYSER.NET>
snmp        161/tcp    # SNMP
snmp        161/udp    # SNMP
snmptrap    162/tcp    # SNMPTRAP
snmptrap    162/udp    # SNMPTRAP
#           Marshall Rose <mrose@dbc.mtview.ca.us>
cmip-man    163/tcp    # CMIP/TCP Manager
cmip-man    163/udp    # CMIP/TCP Manager
cmip-agent  164/tcp    # CMIP/TCP Agent
cmip-agent  164/udp    # CMIP/TCP Agent
#           Amatzia Ben-Artzi <----none---->
xns-courier 165/tcp    # Xerox
xns-courier 165/udp    # Xerox
#           Susie Armstrong <Armstrong.wbst128@XEROX.COM>
s-net       166/tcp    # Sirius Systems
s-net       166/udp    # Sirius Systems
#           Brian Lloyd <brian@lloyd.com>
namp        167/tcp    # NAMP
namp        167/udp    # NAMP
#           Marty Schoffstahl <schoff@NISC.NYSER.NET>
rsvd        168/tcp    # RSVD
rsvd        168/udp    # RSVD
#           Neil Todd <mcvax!ist.co.uk!neil@UUNET.UU.NET>
send        169/tcp    # SEND
send        169/udp    # SEND
#           William D. Wisner <wisner@HAYES.FAI.ALASKA.EDU>
print-srv   170/tcp    # Network PostScript
print-srv   170/udp    # Network PostScript
#           Brian Reid <reid@DECWRL.DEC.COM>
multiplex   171/tcp    # Network Innovations Multiplex
multiplex   171/udp    # Network Innovations Multiplex
cl/1        172/tcp    # Network Innovations CL/1
cl/1        172/udp    # Network Innovations CL/1
#           Kevin DeVault <----none---->
xyplex-mux  173/tcp    # Xyplex
xyplex-mux  173/udp    # Xyplex
#           Bob Stewart <STEWART@XYPLEX.COM>
mailq       174/tcp    # MAILQ
mailq       174/udp    # MAILQ
#           Rayan Zachariassen <rayan@AI.TORONTO.EDU>
vmnet       175/tcp    # VMNET
vmnet       175/udp    # VMNET
#           Christopher Tengi <tengi@Princeton.EDU>
genrad-mux  176/tcp    # GENRAD-MUX
genrad-mux  176/udp    # GENRAD-MUX
#           Ron Thornton <thornton@qm7501.genrad.com>
xdmcp       177/tcp    # X Display Manager Control Protocol
xdmcp       177/udp    # X Display Manager Control Protocol
#           Robert W. Scheifler <RWS@XX.LCS.MIT.EDU>
nextstep    178/tcp    # NextStep Window Server

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nextstep      178/udp      # NextStep Window Server
#             Leo Hourvitz <leo@NEXT.COM>
bgp           179/tcp      # Border Gateway Protocol
bgp           179/udp      # Border Gateway Protocol
#             Kirk Lougheed <LOUGHEED@MATHOM.CISCO.COM>
ris           180/tcp      # Intergraph
ris           180/udp      # Intergraph
#             Dave Buehmann <ingr!daveb@UUNET.UU.NET>
unify         181/tcp      # Unify
unify         181/udp      # Unify
#             Mark Ainsley <ianaportmaster@unify.com>
audit         182/tcp      # Unisys Audit SITP
audit         182/udp      # Unisys Audit SITP
#             Gil Greenbaum <gcole@nisd.cam.unisys.com>
ocbinder      183/tcp      # OCBinder
ocbinder      183/udp      # OCBinder
ocserver      184/tcp      # OCServer
ocserver      184/udp      # OCServer
#             Jerrilynn Okamura <---none--->
remote-kis    185/tcp      # Remote-KIS
remote-kis    185/udp      # Remote-KIS
kis           186/tcp      # KIS Protocol
kis           186/udp      # KIS Protocol
#             Ralph Droms <rdroms@NRI.RESTON.VA.US>
aci           187/tcp      # Application Communication Interface
aci           187/udp      # Application Communication Interface
#             Rick Carlos <rick.ticipa.csc.ti.com>
mumps         188/tcp      # Plus Five's MUMPS
mumps         188/udp      # Plus Five's MUMPS
#             Hokey Stenn <hokey@PLUS5.COM>
qft           189/tcp      # Queued File Transport
qft           189/udp      # Queued File Transport
#             Wayne Schroeder <schroeder@SDS.SDSC.EDU>
gacp          190/tcp      # Gateway Access Control Protocol
gacp          190/udp      # Gateway Access Control Protocol
#             C. Philip Wood <cpw@LANL.GOV>
prospero      191/tcp      # Prospero Directory Service
prospero      191/udp      # Prospero Directory Service
#             B. Clifford Neuman <bcn@isi.edu>
osu-nms       192/tcp      # OSU Network Monitoring System
osu-nms       192/udp      # OSU Network Monitoring System
#             Doug Karl <KARL-D@OSU-20.IRCC.OHIO-STATE.EDU>
srmp          193/tcp      # Spider Remote Monitoring Protocol
srmp          193/udp      # Spider Remote Monitoring Protocol
#             Ted J. Socolofsky <Teds@SPIDER.CO.UK>
irc           194/tcp      # Internet Relay Chat Protocol
irc           194/udp      # Internet Relay Chat Protocol
#             Jarkko Oikarinen <jto@TOLSUN.OULU.FI>
dn6-nlm-aud   195/tcp      # DNSIX Network Level Module Audit
dn6-nlm-aud   195/udp      # DNSIX Network Level Module Audit
dn6-smm-red   196/tcp      # DNSIX Session Mgt Module Audit Redir
dn6-smm-red   196/udp      # DNSIX Session Mgt Module Audit Redir
#             Lawrence Lebahn <DIA3@PAXRV-NES.NAVY.MIL>
dls           197/tcp      # Directory Location Service
dls           197/udp      # Directory Location Service
dls-mon       198/tcp      # Directory Location Service Monitor
dls-mon       198/udp      # Directory Location Service Monitor
#             Scott Bellew <smb@cs.purdue.edu>
smux          199/tcp      # SMUX
smux          199/udp      # SMUX
#             Marshall Rose <mrose@dbc.mtview.ca.us>
src           200/tcp      # IBM System Resource Controller
src           200/udp      # IBM System Resource Controller
#             Gerald McBrearty <---none--->

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at-rtmp      201/tcp    # AppleTalk Routing Maintenance
at-rtmp      201/udp    # AppleTalk Routing Maintenance
at-nbp       202/tcp    # AppleTalk Name Binding
at-nbp       202/udp    # AppleTalk Name Binding
at-3         203/tcp    # AppleTalk Unused
at-3         203/udp    # AppleTalk Unused
at-echo      204/tcp    # AppleTalk Echo
at-echo      204/udp    # AppleTalk Echo
at-5         205/tcp    # AppleTalk Unused
at-5         205/udp    # AppleTalk Unused
at-zis       206/tcp    # AppleTalk Zone Information
at-zis       206/udp    # AppleTalk Zone Information
at-7         207/tcp    # AppleTalk Unused
at-7         207/udp    # AppleTalk Unused
at-8         208/tcp    # AppleTalk Unused
at-8         208/udp    # AppleTalk Unused
#           Rob Chandhok <chandhok@gnome.cs.cmu.edu>
qmtpt        209/tcp    # The Quick Mail Transfer Protocol
qmtpt        209/udp    # The Quick Mail Transfer Protocol
#           Dan Bernstein <djb@silverton.berkeley.edu>
z39.50       210/tcp    # ANSI Z39.50
z39.50       210/udp    # ANSI Z39.50
#           Mark H. Needleman <markn@sirsi.com>
914c/g       211/tcp    # Texas Instruments 914C/G Terminal
914c/g       211/udp    # Texas Instruments 914C/G Terminal
#           Bill Harrell <----none---->
anet         212/tcp    # ATEXSSTR
anet         212/udp    # ATEXSSTR
#           Jim Taylor <taylor@heart.epps.kodak.com>
ipx          213/tcp    # IPX
ipx          213/udp    # IPX
#           Don Provan <donp@xlnvax.novell.com>
vmpwscs      214/tcp    # VM PWSCS
vmpwscs      214/udp    # VM PWSCS
#           Dan Shia <dset!shia@uunet.UU.NET>
softpc       215/tcp    # Insignia Solutions
softpc       215/udp    # Insignia Solutions
#           Martyn Thomas <----none---->
CAIlic       216/tcp    # Computer Associates Int'l License Server
CAIlic       216/udp    # Computer Associates Int'l License Server
#           Chuck Spitz <spich04@cai.com>
dbase        217/tcp    # dBASE Unix
dbase        217/udp    # dBASE Unix
#           Don Gibson
#           <sequent!aero!twinsun!ashtate.A-T.COM!dong@uunet.UU.NET>
mpp          218/tcp    # Netix Message Posting Protocol
mpp          218/udp    # Netix Message Posting Protocol
#           Shannon Yeh <yeh@netix.com>
uarps        219/tcp    # Unisys ARPs
uarps        219/udp    # Unisys ARPs
#           Ashok Marwaha <----none---->
imap3        220/tcp    # Interactive Mail Access Protocol v3
imap3        220/udp    # Interactive Mail Access Protocol v3
#           James Rice <RICE@SUMEX-AIM.STANFORD.EDU>
fln-spx      221/tcp    # Berkeley rlogind with SPX auth
fln-spx      221/udp    # Berkeley rlogind with SPX auth
rsh-spx      222/tcp    # Berkeley rshd with SPX auth
rsh-spx      222/udp    # Berkeley rshd with SPX auth
cdc          223/tcp    # Certificate Distribution Center
cdc          223/udp    # Certificate Distribution Center
#           Kannan Alagappan <kannan@sejour.enet.dec.com>
##### Possible Conflict of Port 222 with "Masq dialer"#####
### Contact for Masq dialer is Charles Wright <cpwright@villagenet.com>###
masq dialer  224/tcp    # masq dialer

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masq dialer      224/udp      # masq dialer
#                Charles Wright <cpwright@villagenet.com>
#                225-241      Reserved
#                Jon Postel <postel@isi.edu>
direct          242/tcp      # Direct
direct          242/udp      # Direct
#                Herb Sutter <HerbS@cntc.com>
sur-meas        243/tcp      # Survey Measurement
sur-meas        243/udp      # Survey Measurement
#                Dave Clark <ddc@LCS.MIT.EDU>
inbusiness      244/tcp      # inbusiness
inbusiness      244/udp      # inbusiness
#                Derrick Hisatake <derrick.i.hisatake@intel.com>
link            245/tcp      # LINK
link            245/udp      # LINK
dsp3270         246/tcp      # Display Systems Protocol
dsp3270         246/udp      # Display Systems Protocol
#                Weldon J. Showalter <Gamma@MINTAKA.DCA.MIL>
subntbcst_tftp 247/tcp      # SUBNTBCST_TFTP
subntbcst_tftp 247/udp      # SUBNTBCST_TFTP
#                John Fake <fake@us.ibm.com>
bhfhs           248/tcp      # bhfhs
bhfhs           248/udp      # bhfhs
#                John Kelly <johnk@bellhow.com>
#                249-255      Reserved
#                Jon Postel <postel@isi.edu>
rap             256/tcp      # RAP
rap             256/udp      # RAP
#                J.S. Greenfield <greeny@raleigh.ibm.com>
set             257/tcp      # Secure Electronic Transaction
set             257/udp      # Secure Electronic Transaction
#                Donald Eastlake <dee3@torque.pothole.com>
yak-chat        258/tcp      # Yak Winsock Personal Chat
yak-chat        258/udp      # Yak Winsock Personal Chat
#                Brian Bandy <bbandy@swbell.net>
esro-gen        259/tcp      # Efficient Short Remote Operations
esro-gen        259/udp      # Efficient Short Remote Operations
#                Mohsen Banan <mohsen@rostan.neda.com>
openport        260/tcp      # Openport
openport        260/udp      # Openport
#                John Marland <jmarland@dean.openport.com>
nsiiops         261/tcp      # IIOP Name Service over TLS/SSL
nsiiops         261/udp      # IIOP Name Service over TLS/SSL
#                Jeff Stewart <jstewart@netscape.com>
arcisdms        262/tcp      # Arcisdms
arcisdms        262/udp      # Arcisdms
#                Russell Crook (rmc@sni.ca)
hdap            263/tcp      # HDAP
hdap            263/udp      # HDAP
#                Troy Gau <troy@zyxel.com>
bgmp            264/tcp      # BGMP
bgmp            264/udp      # BGMP
#                Dave Thaler <thalerd@eecs.umich.edu>
x-bone-ctl      265/tcp      # X-Bone CTL
x-bone-ctl      265/udp      # X-Bone CTL
#                Joe Touch <touch@isi.edu>
sst             266/tcp      # SCSI on ST
sst             266/udp      # SCSI on ST
#                Donald D. Woelz <don@genroco.com>
td-service      267/tcp      # Tobit David Service Layer
td-service      267/udp      # Tobit David Service Layer
td-replica      268/tcp      # Tobit David Replica
td-replica      268/udp      # Tobit David Replica
#                Franz-Josef Leuders <development@tobit.com>

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#                269-279      Unassigned
http-mgmt        280/tcp      # http-mgmt
http-mgmt        280/udp      # http-mgmt
#                Adrian Pell
#                <PELL_ADRIAN/HP-UnitedKingdom_om6@hplb.hpl.hp.com>
personal-link    281/tcp      # Personal Link
personal-link    281/udp      # Personal Link
#                Dan Cummings <doc@cnr.com>
cableport-ax    282/tcp      # Cable Port A/X
cableport-ax    282/udp      # Cable Port A/X
#                Craig Langfahl <Craig_J_Langfahl@ccm.ch.intel.com>
rescap           283/tcp      # rescap
rescap           283/udp      # rescap
#                Paul Hoffman <phoffman@imc.org>
corerjd          284/tcp      # corerjd
corerjd          284/udp      # corerjd
#                Chris Thornhill <port_contact@cjt.ca>
#                285          Unassigned
fxp              286/tcp      # FXP Communication
fxp              286/udp      # FXP Communication
#                James Darnall <james_r_darnall@sbcglobal.net>
k-block         287/tcp      # K-BLOCK
k-block         287/udp      # K-BLOCK
#                Simon P Jackson <jacko@kring.co.uk>
#                288-307      Unassigned
Novastorbakcup  308/tcp      # Novastor Backup
Novastorbakcup  308/udp      # Novastor Backup
#                Brian Dickman <brian@novastor.com>
entrusttime     309/tcp      # EntrustTime
entrusttime     309/udp      # EntrustTime
#                Peter Whittaker <pww@entrust.com>
bhmds           310/tcp      # bhmds
bhmds           310/udp      # bhmds
#                John Kelly <johnk@bellhow.com>
asip-webadmin   311/tcp      # AppleShare IP WebAdmin
asip-webadmin   311/udp      # AppleShare IP WebAdmin
#                Ann Huang <annhuang@apple.com>
vslmp           312/tcp      # VSLMP
vslmp           312/udp      # VSLMP
#                Gerben Wierda <Gerben_Wierda@RnA.nl>
magenta-logic   313/tcp      # Magenta Logic
magenta-logic   313/udp      # Magenta Logic
#                Karl Rousseau <kr@netfusion.co.uk>
opalis-robot    314/tcp      # Opalis Robot
opalis-robot    314/udp      # Opalis Robot
#                Laurent Domenech, Opalis <ldomenech@opalis.com>
dpsi            315/tcp      # DPSI
dpsi            315/udp      # DPSI
#                Tony Scamurra <Tony@DesktopPaging.com>
decauth         316/tcp      # decAuth
decauth         316/udp      # decAuth
#                Michael Agishtein <misha@unx.dec.com>
zannet          317/tcp      # Zannet
zannet          317/udp      # Zannet
#                Zan Oliphant <zan@accessone.com>
pkix-timestamp  318/tcp      # PKIX TimeStamp
pkix-timestamp  318/udp      # PKIX TimeStamp
#                Robert Zuccherato <robert.zuccherato@entrust.com>
ptp-event       319/tcp      # PTP Event
ptp-event       319/udp      # PTP Event
ptp-general     320/tcp      # PTP General
ptp-general     320/udp      # PTP General
#                John Eidson <eidson@hpl.hp.com>
pip             321/tcp      # PIP

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pip          321/udp      # PIP
#           Gordon Mohr <gojomo@usa.net>
rtsps       322/tcp      # RTSPS
rtsps       322/udp      # RTSPS
#           Anders Klemets <anderskl@microsoft.com>
#           323-332      Unassigned
texar       333/tcp      # Texar Security Port
texar       333/udp      # Texar Security Port
#           Eugen Bacic <ebacic@texar.com>
#           334-343      Unassigned
pdap        344/tcp      # Prospero Data Access Protocol
pdap        344/udp      # Prospero Data Access Protocol
#           B. Clifford Neuman <bcn@isi.edu>
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 <arobert@par.sita.int>
# The following entry records an unassigned but widespread use
bhoetty     351/tcp      # bhoetty (added 5/21/97)
bhoetty     351/udp      # bhoetty
#           John Kelly <johnk@bellhow.com>
dtag-ste-sb 352/tcp      # DTAG (assigned long ago)
dtag-ste-sb 352/udp      # DTAG
#           Ruediger Wald <wald@ez-darmstadt.telekom.de>
# The following entry records an unassigned but widespread use
bhoedap4    352/tcp      # bhoedap4 (added 5/21/97)
bhoedap4    352/udp      # bhoedap4
#           John Kelly <johnk@bellhow.com>
ndsauth     353/tcp      # NDSAUTH
ndsauth     353/udp      # NDSAUTH
#           Jayakumar Ramalingam <jayakumar@novell.com>
bh611       354/tcp      # bh611
bh611       354/udp      # bh611
#           John Kelly <johnk@bellhow.com>
datex-asn   355/tcp      # DATEX-ASN
datex-asn   355/udp      # DATEX-ASN
#           Kenneth Vaughn <kvaughn@mail.viggen.com>
cloanto-net-1 356/tcp      # Cloanto Net 1
cloanto-net-1 356/udp      # Cloanto Net 1
#           Michael Battilana <mcb-iana@cloanto.com>
bhevent     357/tcp      # bhevent
bhevent     357/udp      # bhevent
#           John Kelly <johnk@bellhow.com>
shrinkwrap  358/tcp      # Shrinkwrap
shrinkwrap  358/udp      # Shrinkwrap
#           Bill Simpson <wsimpson@greendragon.com>
nsrmp       359/tcp      # Network Security Risk Management Protocol
nsrmp       359/udp      # Network Security Risk Management Protocol
#           Eric Jacksch <jacksch@tenebris.ca>
scoi2odialog 360/tcp      # scoi2odialog
scoi2odialog 360/udp      # scoi2odialog
#           Keith Petley <keithp@sco.COM>

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semantix      361/tcp      # Semantix
semantix      361/udp      # Semantix
#             Semantix <xsSupport@semantix.com>
srssend       362/tcp      # SRS Send
srssend       362/udp      # SRS Send
#             Curt Mayer <curt@emergent.com>
rsvp_tunnel   363/tcp      # RSVP Tunnel
rsvp_tunnel   363/udp      # RSVP Tunnel
#             Andreas Terzis <terzis@cs.ucla.edu>
aurora-cmgr   364/tcp      # Aurora CMGR
aurora-cmgr   364/udp      # Aurora CMGR
#             Philip Budne <budne@auroratech.com>
dtk           365/tcp      # DTK
dtk           365/udp      # DTK
#             Fred Cohen <fc@all.net>
odmr          366/tcp      # ODMR
odmr          366/udp      # ODMR
#             Randall Gellens <randy@qualcomm.com>
Mortgageware 367/tcp      # MortgageWare
mortgageware 367/udp      # MortgageWare
#             Ole Hellevik <oleh@interlinq.com>
qbikgdp       368/tcp      # QbikGDP
qbikgdp       368/udp      # QbikGDP
#             Adrien de Croy <adrien@qbik.com>
rpc2portmap   369/tcp      # rpc2portmap
rpc2portmap   369/udp      # rpc2portmap
codaaauth2    370/tcp      # codaaauth2
codaaauth2    370/udp      # codaaauth2
#             Robert Watson <robert@cyrus.watson.org>
clearcase     371/tcp      # Clearcase
clearcase     371/udp      # Clearcase
#             Dave LeBlang <leblang@atria.com>
ulistproc     372/tcp      # ListProcessor
ulistproc     372/udp      # ListProcessor
#             Anastasios Kotsikonas <tasos@cs.bu.edu>
legent-1      373/tcp      # Legent Corporation
legent-1      373/udp      # Legent Corporation
legent-2      374/tcp      # Legent Corporation
legent-2      374/udp      # Legent Corporation
#             Keith Boyce <---none--->
hassle        375/tcp      # Hassle
hassle        375/udp      # Hassle
#             Reinhard Doelz <doelz@comp.bioz.unibas.ch>
nip           376/tcp      # Amiga Envoy Network Inquiry Proto
nip           376/udp      # Amiga Envoy Network Inquiry Proto
#             Heinz Wrobel <hwrobel@gmx.de>
tnETOS        377/tcp      # NEC Corporation
tnETOS        377/udp      # NEC Corporation
dsETOS        378/tcp      # NEC Corporation
dsETOS        378/udp      # NEC Corporation
#             Tomoo Fujita <tf@arc.bs1.fc.nec.co.jp>
is99c         379/tcp      # TIA/EIA/IS-99 modem client
is99c         379/udp      # TIA/EIA/IS-99 modem client
is99s         380/tcp      # TIA/EIA/IS-99 modem server
is99s         380/udp      # TIA/EIA/IS-99 modem server
#             Frank Quick <fquick@qualcomm.com>
hp-collector  381/tcp      # hp performance data collector
hp-collector  381/udp      # hp performance data collector
hp-managed-node 382/tcp      # hp performance data managed node
hp-managed-node 382/udp      # hp performance data managed node
hp-alarm-mgr  383/tcp      # hp performance data alarm manager
hp-alarm-mgr  383/udp      # hp performance data alarm manager
#             Frank Blakely <frankb@hpptc16.rose.hp.com>
arns          384/tcp      # A Remote Network Server System

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arns          384/udp    # A Remote Network Server System
#            # David Hornsby <djh@munnari.OZ.AU>
ibm-app      385/tcp    # IBM Application
ibm-app      385/udp    # IBM Application
#            # Lisa Tomita <---none--->
asa          386/tcp    # ASA Message Router Object Def.
asa          386/udp    # ASA Message Router Object Def.
#            # Steve Laitinen <laitinen@brutus.aa.ab.com>
aurp         387/tcp    # Appletalk Update-Based Routing Pro.
aurp         387/udp    # Appletalk Update-Based Routing Pro.
#            # Chris Ranch <cranch@novell.com>
unidata-ldm  388/tcp    # Unidata LDM
unidata-ldm  388/udp    # Unidata LDM
#            # Glenn Davis <support@unidata.ucar.edu>
ldap         389/tcp    # Lightweight Directory Access Protocol
ldap         389/udp    # Lightweight Directory Access Protocol
#            # Tim Howes <Tim.Howes@terminator.cc.umich.edu>
uis          390/tcp    # UIS
uis          390/udp    # UIS
#            # Ed Barron <---none--->
synotics-relay 391/tcp    # SynOptics SNMP Relay Port
synotics-relay 391/udp    # SynOptics SNMP Relay Port
synotics-broker 392/tcp    # SynOptics Port Broker Port
synotics-broker 392/udp    # SynOptics Port Broker Port
#            # Illan Raab <iraab@synoptics.com>
meta5        393/tcp    # Meta5
meta5        393/udp    # Meta5
#            # Jim Kanzler <jim.kanzler@meta5.com>
embl-ndt     394/tcp    # EMBL Nucleic Data Transfer
embl-ndt     394/udp    # EMBL Nucleic Data Transfer
#            # Peter Gad <peter@bmc.uu.se>
netcp        395/tcp    # NETscout Control Protocol
netcp        395/udp    # NETscout Control Protocol
#            # Anil Singhal <---none--->
netware-ip   396/tcp    # Novell Netware over IP
netware-ip   396/udp    # Novell Netware over IP
mptn         397/tcp    # Multi Protocol Trans. Net.
mptn         397/udp    # Multi Protocol Trans. Net.
#            # Soumitra Sarkar <sarkar@vnet.ibm.com>
kryptolan    398/tcp    # Kryptolan
kryptolan    398/udp    # Kryptolan
#            # Peter de Laval <pdl@sectra.se>
iso-tsap-c2  399/tcp    # ISO Transport Class 2 Non-Control over TCP
iso-tsap-c2  399/udp    # ISO Transport Class 2 Non-Control over UDP
#            # Yanick Pouffary <pouffary@taec.enet.dec.com>
work-sol     400/tcp    # Workstation Solutions
work-sol     400/udp    # Workstation Solutions
#            # Jim Ward <jimw@worksta.com>
ups          401/tcp    # Uninterruptible Power Supply
ups          401/udp    # Uninterruptible Power Supply
#            # Charles Bennett <chuck@benatong.com>
genie        402/tcp    # Genie Protocol
genie        402/udp    # Genie Protocol
#            # Mark Hankin <---none--->
decap        403/tcp    # decap
decap        403/udp    # decap
nced         404/tcp    # nced
nced         404/udp    # nced
nclD         405/tcp    # nclD
nclD         405/udp    # nclD
#            # Richard Jones <---none--->
imsp         406/tcp    # Interactive Mail Support Protocol
imsp         406/udp    # Interactive Mail Support Protocol
#            # John Myers <jgm+@cmu.edu>

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timbuktu	407/tcp	# Timbuktu
timbuktu	407/udp	# Timbuktu
#		Marc Epard <marc@netopia.com>
prm-sm	408/tcp	# Prospero Resource Manager Sys. Man.
prm-sm	408/udp	# Prospero Resource Manager Sys. Man.
prm-nm	409/tcp	# Prospero Resource Manager Node Man.
prm-nm	409/udp	# Prospero Resource Manager Node Man.
#		B. Clifford Neuman <bcn@isi.edu>
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	# Storage Management Services Protocol
smsp	413/udp	# Storage Management Services Protocol
#		Murthy Srinivas <murthy@novell.com>
infoseek	414/tcp	# InfoSeek
infoseek	414/udp	# InfoSeek
#		Steve Kirsch <stk@infoseek.com>
bnet	415/tcp	# BNet
bnet	415/udp	# BNet
#		Jim Mertz <JMertz+RV09@rvdc.unisys.com>
silverplatter	416/tcp	# Silverplatter
silverplatter	416/udp	# Silverplatter
#		Peter Ciuffetti <petec@silverplatter.com>
onmux	417/tcp	# Onmux
onmux	417/udp	# Onmux
#		Stephen Hanna <hanna@world.std.com>
hyper-g	418/tcp	# Hyper-G
hyper-g	418/udp	# Hyper-G
#		Frank Kappe <fkappe@iicm.tu-graz.ac.at>
ariell	419/tcp	# Ariel 1
ariell	419/udp	# Ariel 1
#		Joel Karafin <jkarafin@infotrieve.com>
smpte	420/tcp	# SMPTE
smpte	420/udp	# SMPTE
#		Si Becker <71362.22@CompuServe.COM>
ariel2	421/tcp	# Ariel 2
ariel2	421/udp	# Ariel 2
ariel3	422/tcp	# Ariel 3
ariel3	422/udp	# Ariel 3
#		Joel Karafin <jkarafin@infotrieve.com>
opc-job-start	423/tcp	# IBM Operations Planning and Control Start
opc-job-start	423/udp	# IBM Operations Planning and Control Start
opc-job-track	424/tcp	# IBM Operations Planning and Control Track
opc-job-track	424/udp	# IBM Operations Planning and Control Track
#		Conny Larsson <cocke@VNET.IBM.COM>
icad-el	425/tcp	# ICAD
icad-el	425/udp	# ICAD
#		Larry Stone <lcs@icad.com>
smartsdp	426/tcp	# smartsdp
smartsdp	426/udp	# smartsdp
#		Alexander Dupuy <dupuy@smarts.com>
svrloc	427/tcp	# Server Location
svrloc	427/udp	# Server Location
#		<veizades@ftp.com>
ocs_cmu	428/tcp	# OCS_CMU
ocs_cmu	428/udp	# OCS_CMU
ocs_amu	429/tcp	# OCS_AMU
ocs_amu	429/udp	# OCS_AMU



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# Florence Wyman <wyman@peabody.plk.af.mil>
utmpsd 430/tcp # UTMPSD
utmpsd 430/udp # UTMPSD
utmpcd 431/tcp # UTMPCD
utmpcd 431/udp # UTMPCD
iasd 432/tcp # IASD
iasd 432/udp # IASD
# Nir Baroz <nbaroz@encore.com>
nnspp 433/tcp # NNSP
nnspp 433/udp # NNSP
# Rob Robertson <rob@gangrene.berkeley.edu>
mobileip-agent 434/tcp # MobileIP-Agent
mobileip-agent 434/udp # MobileIP-Agent
mobilip-mn 435/tcp # MobilIP-MN
mobilip-mn 435/udp # MobilIP-MN
# Kannan Alagappan <kannan@sejour.lkg.dec.com>
dna-cml 436/tcp # DNA-CML
dna-cml 436/udp # DNA-CML
# Dan Flowers <flowers@smaug.lkg.dec.com>
comscm 437/tcp # comscm
comscm 437/udp # comscm
# Jim Teague <teague@zso.dec.com>
dsfgw 438/tcp # dsfgw
dsfgw 438/udp # dsfgw
# Andy McKeen <mckeen@osf.org>
dasp 439/tcp # dasp Thomas Obermair
dasp 439/udp # dasp tommy@inlab.m.eunet.de
# Thomas Obermair <tommy@inlab.m.eunet.de>
sgcp 440/tcp # sgcp
sgcp 440/udp # sgcp
# Marshall Rose <mrose@dbc.mtview.ca.us>
decvms-sysmgt 441/tcp # decvms-sysmgt
decvms-sysmgt 441/udp # decvms-sysmgt
# Lee Barton <barton@star.enet.dec.com>
cvc_hostd 442/tcp # cvc_hostd
cvc_hostd 442/udp # cvc_hostd
# Bill Davidson <billd@equalizer.cray.com>
https 443/tcp # http protocol over TLS/SSL
https 443/udp # http protocol over TLS/SSL
# Kipp E.B. Hickman <kipp@mcom.com>
snpp 444/tcp # Simple Network Paging Protocol
snpp 444/udp # Simple Network Paging Protocol
# [RFC1568]
microsoft-ds 445/tcp # Microsoft-DS
microsoft-ds 445/udp # Microsoft-DS
# Pradeep Bahl <pradeepb@microsoft.com>
ddm-rdb 446/tcp # DDM-Remote Relational Database Access
ddm-rdb 446/udp # DDM-Remote Relational Database Access
ddm-dfm 447/tcp # DDM-Distributed File Management
ddm-dfm 447/udp # DDM-Distributed File Management
# Steven Ritland <srr@us.ibm.com>
ddm-ssl 448/tcp # DDM-Remote DB Access Using Secure Sockets
ddm-ssl 448/udp # DDM-Remote DB Access Using Secure Sockets
# Steven Ritland <srr@us.ibm.com>
as-servermap 449/tcp # AS Server Mapper
as-servermap 449/udp # AS Server Mapper
# Barbara Foss <BGFOSS@rchvmv.vnet.ibm.com>
tserver 450/tcp # Computer Supported Telecommunication Applications
tserver 450/udp # Computer Supported Telecommunication Applications
# Harvey S. Schultz <harvey@acm.org>
sfs-smp-net 451/tcp # Cray Network Semaphore server
sfs-smp-net 451/udp # Cray Network Semaphore server
sfs-config 452/tcp # Cray SFS config server
sfs-config 452/udp # Cray SFS config server

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# Walter Poxon <wdp@ironwood.cray.com>
creativeserver 453/tcp # CreativeServer
creativeserver 453/udp # CreativeServer
contentserver 454/tcp # ContentServer
contentserver 454/udp # ContentServer
creativepartnr 455/tcp # CreativePartnr
creativepartnr 455/udp # CreativePartnr
# Jesus Ortiz <jesus_ortiz@emotion.com>
macon-tcp 456/tcp # macon-tcp
macon-udp 456/udp # macon-udp
# Yoshinobu Inoue
# <shin@hodaka.mfd.cs.fujitsu.co.jp>
scohelp 457/tcp # scohelp
scohelp 457/udp # scohelp
# Faith Zack <faithz@sco.com>
appleqtcp 458/tcp # apple quick time
appleqtcp 458/udp # apple quick time
# Murali Ranganathan
# <murali_ranganathan@quickmail.apple.com>
ampr-rcmd 459/tcp # ampr-rcmd
ampr-rcmd 459/udp # ampr-rcmd
# Rob Janssen <rob@sys3.pelchl.ampr.org>
skronk 460/tcp # skronk
skronk 460/udp # skronk
# Henry Strickland <strick@yak.net>
datasurfsrv 461/tcp # DataRampSrv
datasurfsrv 461/udp # DataRampSrv
datasurfsrvsec 462/tcp # DataRampSrvSec
datasurfsrvsec 462/udp # DataRampSrvSec
# Diane Downie <downie@jibe.MV.COM>
alpes 463/tcp # alpes
alpes 463/udp # alpes
# Alain Durand <Alain.Durand@imag.fr>
kpasswd 464/tcp # kpasswd
kpasswd 464/udp # kpasswd
# Theodore Ts'o <tytso@MIT.EDU>
# 465 is illegal used by eMail Server
smtps 465/tcp # eMail Server
#urd 465/tcp # URL Rendesvous Directory for SSM
igmpv3lite 465/udp # IGMP over UDP for SSM
# Toerless Eckert <eckert@cisco.com>
digital-vrc 466/tcp # digital-vrc
digital-vrc 466/udp # digital-vrc
# Peter Higginson <higginson@mail.dec.com>
mylex-mapd 467/tcp # mylex-mapd
mylex-mapd 467/udp # mylex-mapd
# Gary Lewis <GaryL@hq.mylex.com>
photuris 468/tcp # proturis
photuris 468/udp # proturis
# Bill Simpson <Bill.Simpson@um.cc.umich.edu>
rcp 469/tcp # Radio Control Protocol
rcp 469/udp # Radio Control Protocol
# Jim Jennings +1-708-538-7241
scx-proxy 470/tcp # scx-proxy
scx-proxy 470/udp # scx-proxy
# Scott Narveson <sjn@cray.com>
mondex 471/tcp # Mondex
mondex 471/udp # Mondex
# Bill Reding <redingb@nwdt.natwest.co.uk>
ljk-login 472/tcp # ljk-login
ljk-login 472/udp # ljk-login
# LJK Software, Cambridge, Massachusetts
# <support@ljk.com>
hybrid-pop 473/tcp # hybrid-pop

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hybrid-pop      473/udp      # hybrid-pop
#              # Rami Rubin <rami@hybrid.com>
tn-tl-w1       474/tcp      # tn-tl-w1
tn-tl-w2       474/udp      # tn-tl-w2
#              # Ed Kress <eskress@thinknet.com>
tcpnethaspsrv 475/tcp      # tcpnethaspsrv
tcpnethaspsrv 475/udp      # tcpnethaspsrv
#              # Charlie Hava <charlie@aladdin.co.il>
tn-tl-fd1      476/tcp      # tn-tl-fd1
tn-tl-fd1      476/udp      # tn-tl-fd1
#              # Ed Kress <eskress@thinknet.com>
ss7ns          477/tcp      # ss7ns
ss7ns          477/udp      # ss7ns
#              # Jean-Michel URSCH <ursch@taec.enet.dec.com>
spsc           478/tcp      # spsc
spsc           478/udp      # spsc
#              # Mike Rieker <mikea@sp32.com>
iafserver      479/tcp      # iafserver
iafserver      479/udp      # iafserver
iafdbase       480/tcp      # iafdbase
iafdbase       480/udp      # iafdbase
#              # ricky@solect.com <Rick Yazwinski>
ph             481/tcp      # Ph service
ph             481/udp      # Ph service
#              # Roland Hedberg <Roland.Hedberg@umdac.umu.se>
bgs-nsi        482/tcp      # bgs-nsi
bgs-nsi        482/udp      # bgs-nsi
#              # Jon Saperia <saperia@bgs.com>
ulpnet         483/tcp      # ulpnet
ulpnet         483/udp      # ulpnet
#              # Kevin Mooney <kevinm@bfs.unibol.com>
integra-sme    484/tcp      # Integra Software Management Environment
integra-sme    484/udp      # Integra Software Management Environment
#              # Randall Dow <rand@randix.m.isr.de>
powerburst     485/tcp      # Air Soft Power Burst
powerburst     485/udp      # Air Soft Power Burst
#              # <gary@airsoft.com>
avian          486/tcp      # avian
avian          486/udp      # avian
#              # Robert Ullmann
#              # <Robert_Ullmann/CAM/Lotus.LOTUS@crd.lotus.com>
saft           487/tcp      # saft Simple Asynchronous File Transfer
saft           487/udp      # saft Simple Asynchronous File Transfer
#              # Ulli Horlacher <framstag@rus.uni-stuttgart.de>
gss-http       488/tcp      # gss-http
gss-http       488/udp      # gss-http
#              # Doug Rosenthal <rosenthl@krypton.einet.net>
nest-protocol  489/tcp      # nest-protocol
nest-protocol  489/udp      # nest-protocol
#              # Gilles Gameiro <ggameiro@birdland.com>
micom-pfs      490/tcp      # micom-pfs
micom-pfs      490/udp      # micom-pfs
#              # David Misunas <DMisunas@micom.com>
go-login       491/tcp      # go-login
go-login       491/udp      # go-login
#              # Troy Morrison <troy@graphon.com>
ticf-1         492/tcp      # Transport Independent Convergence for FNA
ticf-1         492/udp      # Transport Independent Convergence for FNA
ticf-2         493/tcp      # Transport Independent Convergence for FNA
ticf-2         493/udp      # Transport Independent Convergence for FNA
#              # Mamoru Ito <Ito@pcnet.ks.pfu.co.jp>
pov-ray        494/tcp      # POV-Ray
pov-ray        494/udp      # POV-Ray
#              # POV-Team Co-ordinator

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# <iana-port.remove-spamguard@povray.org>
intecourier 495/tcp # intecourier
intecourier 495/udp # intecourier
# Steve Favor <sfavor@tigger.intecom.com>
pim-rp-disc 496/tcp # PIM-RP-DISC
pim-rp-disc 496/udp # PIM-RP-DISC
# Dino Farinacci <dino@cisco.com>
dantz 497/tcp # dantz
dantz 497/udp # dantz
# Richard Zulch <richard_zulch@dantz.com>
siam 498/tcp # siam
siam 498/udp # siam
# Philippe Gilbert <pgilbert@cal.fr>
iso-ill 499/tcp # ISO ILL Protocol
iso-ill 499/udp # ISO ILL Protocol
# Mark H. Needleman <markn@sirsi.com>
isakmp 500/tcp # isakmp
isakmp 500/udp # isakmp
# Mark Schertler <mjs@tycho.ncsc.mil>
stmf 501/tcp # STMF
stmf 501/udp # STMF
# Alan Ungar <aungar@farradyne.com>
asa-appl-proto 502/tcp # asa-appl-proto
asa-appl-proto 502/udp # asa-appl-proto
# Dennis Dube <ddube@modicon.com>
intrinsa 503/tcp # Intrinsa
intrinsa 503/udp # Intrinsa
# Robert Ford <robert@intrinsa.com>
citadel 504/tcp # citadel
citadel 504/udp # citadel
# Art Cancro <ajc@uncensored.citadel.org>
mailbox-lm 505/tcp # mailbox-lm
mailbox-lm 505/udp # mailbox-lm
# Beverly Moody <Beverly_Moody@stercomm.com>
ohimsrv 506/tcp # ohimsrv
ohimsrv 506/udp # ohimsrv
# Scott Powell <spowell@openhorizon.com>
crs 507/tcp # crs
crs 507/udp # crs
# Brad Wright <bradwr@microsoft.com>
xvttp 508/tcp # xvttp
xvttp 508/udp # xvttp
# Keith J. Alphonso <alphonso@ncs-ssc.com>
snare 509/tcp # snare
snare 509/udp # snare
# Dennis Batchelder <dennis@capres.com>
fcp 510/tcp # FirstClass Protocol
fcp 510/udp # FirstClass Protocol
# Mike Marshburn <paul@softarc.com>
passgo 511/tcp # PassGo
passgo 511/udp # PassGo
# John Rainford <jrainford@passgo.com>
exec 512/tcp # remote process execution;
# authentication performed using
# passwords and UNIX login names
comsat 512/udp
biff 512/udp # used by mail system to notify users
# of new mail received; currently
# receives messages only from
# processes on the same machine
login 513/tcp # remote login a la telnet;
# automatic authentication performed
# based on priviledged port numbers
# and distributed data bases which

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

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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 <michaud@zk3.dec.com>
opalis-rdv      536/tcp      # opalis-rdv
opalis-rdv      536/udp      # opalis-rdv
#               Laurent Domenech <ldomenech@opalis.com>
nmosp            537/tcp      # Networked Media Streaming Protocol
nmosp            537/udp      # Networked Media Streaming Protocol
#               Paul Santinelli Jr. <psantinelli@narrative.com>
gdomap          538/tcp      # gdomap
gdomap          538/udp      # gdomap
#               Richard Frith-Macdonald <richard@brainstorm.co.uk>
apertus-ldp     539/tcp      # Apertus Technologies Load Determination
apertus-ldp     539/udp      # Apertus Technologies Load Determination
uucp            540/tcp      # uucpd
uucp            540/udp      # uucpd
uucp-rlogin     541/tcp      # uucp-rlogin
uucp-rlogin     541/udp      # uucp-rlogin
#               Stuart Lynne <sl@wimsey.com>
commerce        542/tcp      # commerce
commerce        542/udp      # commerce
#               Randy Epstein <repstein@host.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
#               <Murali_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 <bound@zk3.dec.com>
afpovertcp      548/tcp      # AFP over TCP
afpovertcp      548/udp      # AFP over TCP
#               Leland Wallace <randall@apple.com>
idfp            549/tcp      # IDFP
idfp            549/udp      # IDFP
#               Ramana Kovi <ramana@kovi.com>
new-rwho        550/tcp      # new-who
new-rwho        550/udp      # new-who
cybercash       551/tcp      # cybercash
cybercash       551/udp      # cybercash
#               Donald E. Eastlake 3rd <dee@cybercash.com>
devshr-nts      552/tcp      # DeviceShare
devshr-nts      552/udp      # DeviceShare
#               Benjamin Rosenberg <brosenberg@advsyscon.com>
pirp            553/tcp      # pirp
pirp            553/udp      # pirp
#               D. J. Bernstein <djb@silverton.berkeley.edu>
rtsp            554/tcp      # Real Time Stream Control Protocol
rtsp            554/udp      # Real Time Stream Control Protocol
#               Rob Lanphier <robla@prognnet.com>
dsf             555/tcp      #
dsf             555/udp      #
remotefs        556/tcp      # rfs server
remotefs        556/udp      # rfs server
openvms-sysipc  557/tcp      # openvms-sysipc

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openvms-sysipc 557/udp # openvms-sysipc
# Alan Potter <potter@movies.enet.dec.com>
sdnskmp 558/tcp # SDNSKMP
sdnskmp 558/udp # SDNSKMP
teedtap 559/tcp # TEEDTAP
teedtap 559/udp # TEEDTAP
# Mort Hoffman <hoffman@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
nntps 563/tcp # nntp protocol over TLS/SSL (was snntp)
nntps 563/udp # nntp protocol over TLS/SSL (was snntp)
# Kipp E.B. Hickman <kipp@netscape.com>
9pfs 564/tcp # plan 9 file service
9pfs 564/udp # plan 9 file service
whoami 565/tcp # whoami
whoami 565/udp # whoami
streettalk 566/tcp # streettalk
streettalk 566/udp # streettalk
banyan-rpc 567/tcp # banyan-rpc
banyan-rpc 567/udp # banyan-rpc
# Tom Lemaire <toml@banyan.com>
ms-shuttle 568/tcp # microsoft shuttle
ms-shuttle 568/udp # microsoft shuttle
# Rudolph Balaz <rudolphb@microsoft.com>
ms-rome 569/tcp # microsoft rome
ms-rome 569/udp # microsoft rome
# Rudolph Balaz <rudolphb@microsoft.com>
meter 570/tcp # demon
meter 570/udp # demon
meter 571/tcp # udemon
meter 571/udp # udemon
sonar 572/tcp # sonar
sonar 572/udp # sonar
# Keith Moore <moore@cs.utk.edu>
banyan-vip 573/tcp # banyan-vip
banyan-vip 573/udp # banyan-vip
# Denis Leclerc <DLeclerc@banyan.com>
ftp-agent 574/tcp # FTP Software Agent System
ftp-agent 574/udp # FTP Software Agent System
# Michael S. Greenberg <arnoff@ftp.com>
vemmi 575/tcp # VEMMI
vemmi 575/udp # VEMMI
# Daniel Mavrakis <mavrakis@mctel.fr>
ipcd 576/tcp # ipcd
ipcd 576/udp # ipcd
vnas 577/tcp # vnas
vnas 577/udp # vnas
ipdd 578/tcp # ipdd
ipdd 578/udp # ipdd
# Jay Farhat <jfarhat@ipass.com>
decbsrv 579/tcp # decbsrv
decbsrv 579/udp # decbsrv
# Rudi Martin <movies::martin"@movies.enet.dec.com>
snmp-heartbeat 580/tcp # SNMP HEARTBEAT
snmp-heartbeat 580/udp # SNMP HEARTBEAT
# Louis Mamakos <louie@uu.net>
bdp 581/tcp # Bundle Discovery Protocol
bdp 581/udp # Bundle Discovery Protocol
# Gary Malkin <gmalkin@xylogics.com>
scc-security 582/tcp # SCC Security

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scc-security      582/udp      # SCC Security
#                Prashant Dholakia <prashant@semaphorecom.com>
philips-vc       583/tcp      # Philips Video-Conferencing
philips-vc       583/udp      # Philips Video-Conferencing
#                Janna Chang <janna@pmc.philips.com>
keyserver        584/tcp      # Key Server
keyserver        584/udp      # Key Server
#                Gary Howland <gary@systemics.com>
imap4-ssl        585/tcp      # IMAP4+SSL (use 993 instead)
imap4-ssl        585/udp      # IMAP4+SSL (use 993 instead)
#                Terry Gray <gray@cac.washington.edu>
#                Use of 585 is not recommended, use 993 instead
password-chg     586/tcp      # Password Change
password-chg     586/udp      # Password Change
submission       587/tcp      # Submission
submission       587/udp      # Submission
#                Randy Gellens <randy@qualcomm.com>
cal              588/tcp      # CAL
cal              588/udp      # CAL
#                Myron Hattig <Myron_Hattig@ccm.jf.intel.com>
eyelink          589/tcp      # EyeLink
eyelink          589/udp      # EyeLink
#                Dave Stampe <dstampe@psych.toronto.edu>
tns-cml          590/tcp      # TNS CML
tns-cml          590/udp      # TNS CML
#                Jerome Albin <albin@taec.enet.dec.com>
http-alt         591/tcp      # FileMaker, Inc. - HTTP Alternate (see Port 80)
http-alt         591/udp      # FileMaker, Inc. - HTTP Alternate (see Port 80)
#                Clay Maeckel <clay_maeckel@filemaker.com>
eudora-set       592/tcp      # Eudora Set
eudora-set       592/udp      # Eudora Set
#                Randall Gellens <randy@qualcomm.com>
http-rpc-epmap  593/tcp      # HTTP RPC Ep Map
http-rpc-epmap  593/udp      # HTTP RPC Ep Map
#                Edward Reus <edwardr@microsoft.com>
tpip             594/tcp      # TPIP
tpip             594/udp      # TPIP
#                Brad Spear <spear@platinum.com>
cab-protocol     595/tcp      # CAB Protocol
cab-protocol     595/udp      # CAB Protocol
#                Winston Hetherington
smsd             596/tcp      # SMSD
smsd             596/udp      # SMSD
#                Wayne Barlow <web@unx.dec.com>
Ptcnameservice  597/tcp      # PTC Name Service
ptcnameservice  597/udp      # PTC Name Service
#                Yuri Machkasov <yuri@ptc.com>
sco-websrvrmg3  598/tcp      # SCO Web Server Manager 3
sco-websrvrmg3  598/udp      # SCO Web Server Manager 3
#                Simon Baldwin <simonb@sco.com>
acp              599/tcp      # Aeolon Core Protocol
acp              599/udp      # Aeolon Core Protocol
#                Michael Alyn Miller <malyn@aeolon.com>
ipcserver        600/tcp      # Sun IPC server
ipcserver        600/udp      # Sun IPC server
#                Bill Schiefelbein <schief@aspen.cray.com>
syslog-conn     601/tcp      # Reliable Syslog Service
syslog-conn     601/udp      # Reliable Syslog Service
#                RFC 3195
xmlrpc-beep     602/tcp      # XML-RPC over BEEP
xmlrpc-beep     602/udp      # XML-RPC over BEEP
#                RFC3529 <ftp://ftp.isi.edu/in-notes/rfc3529.txt>
March 2003
idxp            603/tcp      # IDXP

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idxp          603/udp    # IDXP
#             RFC-ietf-idwg-beep-idxp-07.txt
tunnel        604/tcp    # TUNNEL
tunnel        604/udp    # TUNNEL
#             RFC3620
soap-beep     605/tcp    # SOAP over BEEP
soap-beep     605/udp    # SOAP over BEEP
#             RFC3288 <ftp://ftp.isi.edu/in-notes/rfc3288.txt>
April 2002
urm           606/tcp    # Cray Unified Resource Manager
urm           606/udp    # Cray Unified Resource Manager
nqs          607/tcp    # nqs
nqs          607/udp    # nqs
#             Bill Schiefelbein <schief@aspen.cray.com>
sift-uft      608/tcp    # Sender-Initiated/Unsolicited File Transfer
sift-uft      608/udp    # Sender-Initiated/Unsolicited File Transfer
#             Rick Troth <troth@rice.edu>
npmp-trap    609/tcp    # npmp-trap
npmp-trap    609/udp    # npmp-trap
npmp-local   610/tcp    # npmp-local
npmp-local   610/udp    # npmp-local
npmp-gui     611/tcp    # npmp-gui
npmp-gui     611/udp    # npmp-gui
#             John Barnes <jbarnes@crl.com>
hmmp-ind     612/tcp    # HMMP Indication
hmmp-ind     612/udp    # HMMP Indication
hmmp-op      613/tcp    # HMMP Operation
hmmp-op      613/udp    # HMMP Operation
#             Andrew Sinclair <andrsin@microsoft.com>
sshell       614/tcp    # SSLshell
sshell       614/udp    # SSLshell
#             Simon J. Gerraty <sjg@quick.com.au>
sco-inetmgr  615/tcp    # Internet Configuration Manager
sco-inetmgr  615/udp    # Internet Configuration Manager
sco-sysmgr   616/tcp    # SCO System Administration Server
sco-sysmgr   616/udp    # SCO System Administration Server
sco-dtmgr    617/tcp    # SCO Desktop Administration Server
sco-dtmgr    617/udp    # SCO Desktop Administration Server
#             Christopher Durham <chrisdu@sco.com>
dei-icda     618/tcp    # DEI-ICDA
dei-icda     618/udp    # DEI-ICDA
#             David Turner <digital@Quetico.tbaytel.net>
compaq-evm   619/tcp    # Compaq EVM
compaq-evm   619/udp    # Compaq EVM
#             Jem Treadwell <Jem.Treadwell@compaq.com>
sco-websrvrmgr 620/tcp    # SCO WebServer Manager
sco-websrvrmgr 620/udp    # SCO WebServer Manager
#             Christopher Durham <chrisdu@sco.com>
escp-ip      621/tcp    # ESCP
escp-ip      621/udp    # ESCP
#             Lai Zit Seng <lzs@pobox.com>
Collaborator 622/tcp    # Collaborator
Collaborator 622/udp    # Collaborator
#             Johnson Davis <johnsond@opteamasoft.com>
asf-rmcp     623/tcp    # ASF Remote Management and Control Protocol
asf-rmcp     623/udp    # ASF Remote Management and Control Protocol
#             Carl First <Carl.L.First@intel.com>
cryptoadmin  624/tcp    # Crypto Admin
cryptoadmin  624/udp    # Crypto Admin
#             Tony Walker <tony@cryptocard.com>
dec_dlm      625/tcp    # DEC DLM
dec_dlm      625/udp    # DEC DLM
#             Rudi Martin <Rudi.Martin@edo.mts.dec.com>
asia         626/tcp    # ASIA

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asia          626/udp      # ASIA
#            Michael Dasenbrock <dasenbro@apple.com>
passgo-tivoli 627/tcp      # PassGo Tivoli
passgo-tivoli 627/udp      # PassGo Tivoli
#            Chris Hall <chall@passgo.com>
qmqp         628/tcp      # QMQP
qmqp         628/udp      # QMQP
#            Dan Bernstein <djb@cr.yp.to>
3com-amp3    629/tcp      # 3Com AMP3
3com-amp3    629/udp      # 3Com AMP3
#            Prakash Banthia <prakash_banthia@3com.com>
rda          630/tcp      # RDA
rda          630/udp      # RDA
#            John Hadjioannou <john@minster.co.uk>
ipp          631/tcp      # IPP (Internet Printing Protocol)
ipp          631/udp      # IPP (Internet Printing Protocol)
#            Carl-Uno Manros <manros@cp10.es.xerox.com>
bmpp        632/tcp      # bmpp
bmpp        632/udp      # bmpp
#            Troy Rollo <troy@kroll.corvu.com.au>
servstat    633/tcp      # Service Status update (Sterling Software)
servstat    633/udp      # Service Status update (Sterling Software)
#            Greg Rose <Greg_Rose@sydney.sterling.com>
ginad       634/tcp      # ginad
ginad       634/udp      # ginad
#            Mark Crother <mark@eis.calstate.edu>
rlzdbase    635/tcp      # RLZ DBase
rlzdbase    635/udp      # RLZ DBase
#            Michael Ginn <ginn@tyxar.com>
ldaps       636/tcp      # ldap protocol over TLS/SSL (was sldap)
ldaps       636/udp      # ldap protocol over TLS/SSL (was sldap)
#            Pat Richard <patr@xcert.com>
lanserver   637/tcp      # lanserver
lanserver   637/udp      # lanserver
#            Chris Larsson <clarsson@VNET.IBM.COM>
mcns-sec    638/tcp      # mcns-sec
mcns-sec    638/udp      # mcns-sec
#            Kaz Ozawa <k.ozawa@cablelabs.com>
msdp        639/tcp      # MSDP
msdp        639/udp      # MSDP
#            Dino Farinacci <dino@cisco.com>
entrust-sps 640/tcp      # entrust-sps
entrust-sps 640/udp      # entrust-sps
#            Marek Buchler <Marek.Buchler@entrust.com>
repcmd      641/tcp      # repcmd
repcmd      641/udp      # repcmd
#            Scott Dale <scott@Replicase.com>
esro-emsdp  642/tcp      # ESRO-EMSDP V1.3
esro-emsdp  642/udp      # ESRO-EMSDP V1.3
#            Mohsen Banan <mohsen@neda.com>
sanity      643/tcp      # SANity
sanity      643/udp      # SANity
#            Peter Viscarola <PeterGV@osr.com>
dwr         644/tcp      # dwr
dwr         644/udp      # dwr
#            Bill Fenner <fenner@parc.xerox.com>
pssc        645/tcp      # PSSC
pssc        645/udp      # PSSC
#            Egon Meier-Engelen <egon.meier-engelen@dlr.de>
ldp         646/tcp      # LDP
ldp         646/udp      # LDP
#            Bob Thomas <rhthomas@cisco.com>
dhcp-failover 647/tcp     # DHCP Failover
dhcp-failover 647/udp     # DHCP Failover

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```

# Bernard Volz <volz@cisco.com>
rrp 648/tcp # Registry Registrar Protocol (RRP)
rrp 648/udp # Registry Registrar Protocol (RRP)
# Scott Hollenbeck <shollenb@netsol.com>
cadview-3d 649/tcp # Cadview-3d - streaming 3d models over the internet
cadview-3d 649/udp # Cadview-3d - streaming 3d models over the internet
# David Cooper <david.cooper@oracle.com>
obex 650/tcp # OBEX
obex 650/udp # OBEX
# Jeff Garbers <FJG030@email.mot.com>
ieee-mms 651/tcp # IEEE MMS
ieee-mms 651/udp # IEEE MMS
# Curtis Anderson <canderson@turbolinux.com>
hello-port 652/tcp # HELLO_PORT
hello-port 652/udp # HELLO_PORT
# Patrick Capiere <Patrick.Capiere@UDcast.com>
repscmd 653/tcp # RepCmd
repscmd 653/udp # RepCmd
# Scott Dale <scott@tioga.com>
aodv 654/tcp # AODV
aodv 654/udp # AODV
# Charles Perkins <cperkins@eng.sun.com>
tinc 655/tcp # TINC
tinc 655/udp # TINC
# Ivo Timmermans <itimmermans@bigfoot.com>
spmp 656/tcp # SPMP
spmp 656/udp # SPMP
# Jakob Kaivo <jkaivo@nodomainname.net>
rmc 657/tcp # RMC
rmc 657/udp # RMC
# Michael Schmidt <mmaass@us.ibm.com>
tenfold 658/tcp # TenFold
tenfold 658/udp # TenFold
# Louis Olszyk <lolszyk@10fold.com>
# 659 Removed (2001-06-06)
mac-srvr-admin 660/tcp # MacOS Server Admin
mac-srvr-admin 660/udp # MacOS Server Admin
# Forest Hill <forest@apple.com>
hap 661/tcp # HAP
hap 661/udp # HAP
# Igor Plotnikov <igor@uroam.com>
pftp 662/tcp # PFTP
pftp 662/udp # PFTP
# Ben Schluricke <support@pftp.de>
purenoise 663/tcp # PureNoise
purenoise 663/udp # PureNoise
# Sam Osa <pristine@mailcity.com>
asf-secure-rmcp 664/tcp # ASF Secure Remote Management and Control Protocol
asf-secure-rmcp 664/udp # ASF Secure Remote Management and Control Protocol
# Carl First <Carl.L.First@intel.com>
sun-dr 665/tcp # Sun DR
sun-dr 665/udp # Sun DR
# Harinder Bhasin <Harinder.Bhasin@Sun.COM>
mdqs 666/tcp #
mdqs 666/udp #
doom 666/tcp # doom Id Software
doom 666/udp # doom Id Software
# <ddt@idcube.idsoftware.com>
disclose 667/tcp # campaign contribution disclosures - SDR
Technologies
disclose 667/udp # campaign contribution disclosures - SDR
Technologies
# Jim Dixon <jim@lambda.com>
mecomm 668/tcp # MeComm

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mecommm          668/udp      # MeComm
mereregister     669/tcp      # MeRegister
mereregister     669/udp      # MeRegister
#               Armin Sawusch <armin@esd1.esd.de>
vacdsm-sws       670/tcp      # VACDSM-SWS
vacdsm-sws       670/udp      # VACDSM-SWS
vacdsm-app       671/tcp      # VACDSM-APP
vacdsm-app       671/udp      # VACDSM-APP
vpps-qua         672/tcp      # VPPS-QUA
vpps-qua         672/udp      # VPPS-QUA
cimplex         673/tcp      # CIMPLEX
cimplex         673/udp      # CIMPLEX
#               Ulysses G. Smith Jr. <ugsmith@cesi.com>
acap            674/tcp      # ACAP
acap            674/udp      # ACAP
#               Chris Newman <chris.newman@sun.com>
dctp           675/tcp      # DCTP
dctp           675/udp      # DCTP
#               Andre Kramer <Andre.Kramer@ansa.co.uk>
vpps-via       676/tcp      # VPPS Via
vpps-via       676/udp      # VPPS Via
#               Ulysses G. Smith Jr. <ugsmith@cesi.com>
vpp            677/tcp      # Virtual Presence Protocol
vpp            677/udp      # Virtual Presence Protocol
#               Klaus Wolf <wolf@cobrow.com>
ggf-ncp        678/tcp      # GNU Generation Foundation NCP
ggf-ncp        678/udp      # GNU Generation Foundation NCP
#               Noah Paul <noahp@altavista.net>
mrm            679/tcp      # MRM
mrm            679/udp      # MRM
#               Liming Wei <lwei@cisco.com>
entrust-aaas   680/tcp      # entrust-aaas
entrust-aaas   680/udp      # entrust-aaas
entrust-aams   681/tcp      # entrust-aams
entrust-aams   681/udp      # entrust-aams
#               Adrian Mancini <adrian.mancini@entrust.com>
xfr            682/tcp      # XFR
xfr            682/udp      # XFR
#               Noah Paul <noahp@ultranet.com>
corba-iiop     683/tcp      # CORBA IIOP
corba-iiop     683/udp      # CORBA IIOP
corba-iiop-ssl 684/tcp      # CORBA IIOP SSL
corba-iiop-ssl 684/udp      # CORBA IIOP SSL
#               Andrew Watson <andrew@omg.org>
mdc-portmapper 685/tcp      # MDC Port Mapper
mdc-portmapper 685/udp      # MDC Port Mapper
#               Noah Paul <noahp@altavista.net>
hcp-wismar     686/tcp      # Hardware Control Protocol Wismar
hcp-wismar     686/udp      # Hardware Control Protocol Wismar
#               David Merchant <d.f.merchant@livjm.ac.uk>
Asipregistry   687/tcp      # asipregistry
Asipregistry   687/udp      # asipregistry
#               Erik Sea <sea@apple.com>
realm-rusd     688/tcp      # ApplianceWare managment protocol
realm-rusd     688/udp      # ApplianceWare managment protocol
#               Stacy Kenworthy <skenworthy@applianceware.com>
nmap           689/tcp      # NMAP
nmap           689/udp      # NMAP
#               Peter Dennis Bartok <peter@novonyx.com>
vatp           690/tcp      # VATP
vatp           690/udp      # VATP
#               Atica Software <comercial@aticasoft.es>
msexch-routing 691/tcp      # MS Exchange Routing
msexch-routing 691/udp      # MS Exchange Routing

```

```

# David Lemson <dlemson@microsoft.com>
hyperwave-isp 692/tcp # Hyperwave-ISP
hyperwave-isp 692/udp # Hyperwave-ISP
# Gerald Mesaric <gmesaric@hyperwave.com>
connendp 693/tcp # connendp
connendp 693/udp # connendp
# Ronny Bremer <rbremer@future-gate.com>
ha-cluster 694/tcp # ha-cluster
ha-cluster 694/udp # ha-cluster
# Alan Robertson <alanr@unix.sh>
ieee-mms-ssl 695/tcp # IEEE-MMS-SSL
ieee-mms-ssl 695/udp # IEEE-MMS-SSL
# Curtis Anderson <ecanderson@turbolinux.com>
rushd 696/tcp # RUSHD
rushd 696/udp # RUSHD
# Greg Ercolano <erco@netcom.com>
uuidgen 697/tcp # UUIDGEN
uuidgen 697/udp # UUIDGEN
# James Falkner <james.falkner@sun.com>
olsr 698/tcp # OLSR
olsr 698/udp # OLSR
# Thomas Clausen <thomas.clausen@inria.fr>
accessnetwork 699/tcp # Access Network
accessnetwork 699/udp # Access Network
# Yingchun Xu <Yingchun_Xu@3com.com>
epp 700/tcp # Extensible Provisioning Protocol
epp 700/udp # Extensible Provisioning Protocol
# [RFC3734]
lmp 701/tcp # Link Management Protocol (LMP)
lmp 701/udp # Link Management Protocol (LMP)
# [RFC4204]
iris-beep 702/tcp # IRIS over BEEP
iris-beep 702/udp # IRIS over BEEP
# [RFC3983]
# 703 Unassigned
elcsd 704/tcp # errlog copy/server daemon
elcsd 704/udp # errlog copy/server daemon
agentx 705/tcp # AgentX
agentx 705/udp # AgentX
# Bob Natale <bob.natale@appliedsnmp.com>
silc 706/tcp # SILC
silc 706/udp # SILC
# Pekka Riikonen <priikone@poseidon.pspt.fi>
borland-dsj 707/tcp # Borland DSJ
borland-dsj 707/udp # Borland DSJ
# Gerg Cole <gcole@corp.borland.com>
# 708 Unassigned
entrust-kmsh 709/tcp # Entrust Key Management Service Handler
entrust-kmsh 709/udp # Entrust Key Management Service Handler
entrust-ash 710/tcp # Entrust Administration Service Handler
entrust-ash 710/udp # Entrust Administration Service Handler
# Peter Whittaker <pww@entrust.com>
cisco-tdp 711/tcp # Cisco TDP
cisco-tdp 711/udp # Cisco TDP
# Bruce Davie <bsd@cisco.com>
tbrpf 712/tcp # TBRPF
tbrpf 712/udp # TBRPF
# RFC3684
# 713-728 Unassigned
netviewdm1 729/tcp # IBM NetView DM/6000 Server/Client
netviewdm1 729/udp # IBM NetView DM/6000 Server/Client
netviewdm2 730/tcp # IBM NetView DM/6000 send/tcp
netviewdm2 730/udp # IBM NetView DM/6000 send/tcp
netviewdm3 731/tcp # IBM NetView DM/6000 receive/tcp

```

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netviewdm3      731/udp      # IBM NetView DM/6000 receive/tcp
#
#              732-740      Unassigned
netgw           741/tcp      # netGW
netgw           741/udp      # netGW
#
#              742/tcp      # Network based Rev. Cont. Sys.
netrcs          742/udp      # Network based Rev. Cont. Sys.
#
#              743          Unassigned
flexlm          744/tcp      # Flexible License Manager
flexlm          744/udp      # Flexible License Manager
#
#              745-746      Unassigned
fujitsu-dev    747/tcp      # Fujitsu Device Control
fujitsu-dev    747/udp      # Fujitsu Device Control
ris-cm          748/tcp      # Russell Info Sci Calendar Manager
ris-cm          748/udp      # Russell Info Sci Calendar Manager
kerberos-adm   749/tcp      # kerberos administration
kerberos-adm   749/udp      # kerberos administration
rfile          750/tcp
loadav          750/udp
kerberos-iv    750/udp      # kerberos version iv
#
#              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
#
#              755-756      Unassigned
nlogin         758/tcp
nlogin         758/udp
con            759/tcp
con            759/udp
ns             760/tcp
ns             760/udp
rx             761/tcp
rx             761/udp
quotad         762/tcp
quotad         762/udp
cycleserv      763/tcp
cycleserv      763/udp
omserv         764/tcp
omserv         764/udp
webster        765/tcp
webster        765/udp
#
#              766          Unassigned
phonebook      767/tcp      # phone
phonebook      767/udp      # phone
#
#              768          Unassigned
vid            769/tcp
vid            769/udp
cadlock        770/tcp
cadlock        770/udp
rtip           771/tcp
rtip           771/udp
cycleserv2     772/tcp

```

```

cycleserv2      772/udp
submit          773/tcp
notify         773/udp
rpasswd        774/tcp
acmaint_dbd    774/udp
entomb         775/tcp
acmaint_transd 775/udp
wpages         776/tcp
wpages         776/udp
#
multiling-http 777/tcp      # Multiling HTTP
multiling-http 777/udp      # Multiling HTTP
#
#              Alejandro Bonet <babel@ctv.es>
#              Unassigned
#              778-779
wpgs           780/tcp
wpgs           780/udp
#
#              Josyula R. Rao <jrrao@watson.ibm.com>
#              Unassigned
#              781-785
#              786
#              787
#              788-799
#              Unassigned
mdbd_daemon    800/tcp      #
mdbd_daemon    800/udp      #
device         801/tcp
device         801/udp
#
#              802-809
#              Unassigned
fcp-udp        810/tcp      # FCP
fcp-udp        810/udp      # FCP Datagram
#
#              Paul Whittemore <paul@softarc.com>
#              811-827
#              Unassigned
itm-mcell-s    828/tcp      # itm-mcell-s
itm-mcell-s    828/udp      # itm-mcell-s
#
#              Miles O'Neal <meo@us.itmasters.com>
pkix-3-ca-ra   829/tcp      # PKIX-3 CA/RA
pkix-3-ca-ra   829/udp      # PKIX-3 CA/RA
#
#              Carlisle Adams <Cadams@entrust.com>
#              830-846
#              Unassigned
dhcp-failover2 847/tcp      # dhcp-failover 2
dhcp-failover2 847/udp      # dhcp-failover 2
#
#              Bernard Volz <volz@cisco.com>
gdoi           848/tcp      # GDOI
gdoi           848/udp      # GDOI
#
#              RFC-ietf-msec-gdoi-07.txt
#              849-859
#              Unassigned
iscsi          860/tcp      # iSCSI
iscsi          860/udp      # iSCSI
#
#              RFC3720
#              861-872
#              Unassigned
supfilesrv     871          # NOT OFFICIAL ASSIGNED
rsync          873/tcp      # rsync
rsync          873/udp      # rsync
#
#              Andrew Tridgell <tridge@samba.anu.edu.au>
#              874-885
#              Unassigned
iclnet-locate 886/tcp      # ICL coNETion locate server
iclnet-locate 886/udp      # ICL coNETion locate server
#
#              Bob Lyon <bl@oasis.icl.co.uk>
iclnet_svinfo 887/tcp      # ICL coNETion server info
iclnet_svinfo 887/udp      # ICL coNETion server info
#
#              Bob Lyon <bl@oasis.icl.co.uk>
accessbuilder  888/tcp      # AccessBuilder
accessbuilder  888/udp      # AccessBuilder
#
#              Steve Sweeney <Steven_Sweeney@3mail.3com.com>
# The following entry records an unassigned but widespread use
cddb           888/tcp      # CD Database Protocol

```

```

# Steve Scherf <steve@moonsoft.com>
#
# 889-899 Unassigned
omginitialrefs 900/tcp # OMG Initial Refs
omginitialrefs 900/udp # OMG Initial Refs
# Christian Callsen <Christian.Callsen@eng.sun.com>
swat 901/tcp # CONFLICT, not official assigned!
smpnameres 901/tcp # SMPNAMERES
smpnameres 901/udp # SMPNAMERES
# Leif Ekblad <leif@rdos.net>
ideafarm-chat 902/tcp # IDEAFARM-CHAT
ideafarm-chat 902/udp # IDEAFARM-CHAT
ideafarm-catch 903/tcp # IDEAFARM-CATCH
ideafarm-catch 903/udp # IDEAFARM-CATCH
# Wo'o Ideafarm <l@ideafarm.com>
# 904-910 Unassigned
xact-backup 911/tcp # xact-backup
xact-backup 911/udp # xact-backup
# Bill Carroll <billc@xactlabs.com>
apex-mesh 912/tcp # APEX relay-relay service
apex-mesh 912/udp # APEX relay-relay service
apex-edge 913/tcp # APEX endpoint-relay service
apex-edge 913/udp # APEX endpoint-relay service
# [RFC3340]
# 914-988 Unassigned
ftps-data 989/tcp # ftp protocol, data, over TLS/SSL
ftps-data 989/udp # ftp protocol, data, over TLS/SSL
ftps 990/tcp # ftp protocol, control, over TLS/SSL
ftps 990/udp # ftp protocol, control, over TLS/SSL
# Christopher Allen <ChristopherA@consensus.com>
nas 991/tcp # Netnews Administration System
nas 991/udp # Netnews Administration System
# Vera Heinau <heinau@fu-berlin.de>
# Heiko Schlichting <heiko@fu-berlin.de>
telnets 992/tcp # telnet protocol over TLS/SSL
telnets 992/udp # telnet protocol over TLS/SSL
imaps 993/tcp # imap4 protocol over TLS/SSL
imaps 993/udp # imap4 protocol over TLS/SSL
ircs 994/tcp # irc protocol over TLS/SSL
ircs 994/udp # irc protocol over TLS/SSL
# Christopher Allen <ChristopherA@consensus.com>
pop3s 995/tcp # pop3 protocol over TLS/SSL (was spop3)
pop3s 995/udp # pop3 protocol over TLS/SSL (was spop3)
# Gordon Mangione <gordm@microsoft.com>
vsinet 996/tcp # vsinet
vsinet 996/udp # vsinet
# Rob Juergens <robj@vsi.com>
maitrd 997/tcp
maitrd 997/udp
busboy 998/tcp
puparp 998/udp
garcon 999/tcp
applix 999/udp # Applix ac
puprouter 999/tcp
puprouter 999/udp
cadlock2 1000/tcp
cadlock2 1000/udp
# 1001-1009 Unassigned
# 1008/udp # Possibly used by Sun Solaris????
surf 1010/tcp # surf
surf 1010/udp # surf
# Joseph Geer <jgeer@peapod.com>
# 1011-1022 Reserved
# 1023/tcp Reserved

```



#

1023/udp Reserved