

IP Subnet Reference and Networking Primer

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IP Address and Subnet Reference

An IP Address is a 32 bit number divided into four 8 bit parts (or Octets). Each Octet is represented by a decimal number from 0-255. When written, the Octets are delineated by dots (for example 171.254.101.20). There are five classes of networks - A, B, C, D, and E. The first four bits of the first octet determine the class. Every IP address has two parts - the network (or subnet) and the host. A mask is used to define the actual starting address of the subnet and the number of host addresses in that subnet. The first address in each subnet is reserved as the network address. The highest address in the subnet is the broadcast address for that subnet and is also reserved. Hosts are the remaining addresses where the bit mask contains zeros. As an example - use the address 192.168.205.40 with a 24 bit mask (255.255.255.0). This is a Class C network. The network is 192.168.205.0, and the usable hosts are in the range from 192.168.205.1 through 192.168.205.254. If the mask is changed to 27 bits (255.255.255.224), the network is now 192.168.205.32 and the usable hosts are in the range from 192.168.205.33 through 192.168.205.62. With this mask, the first subnet, starting at 192.168.205.0, and the last subnet, starting at 192.168.205.224, are reserved. With support for Variable Length Subnet Masks (VLSM) and Classless Inter-Domain Routing (CIDR), the first and last subnets in a network can be utilized, however, this is not recommended.

Class A networks use the first octet for the network and are determined by a zero (0) in the first bit (highest order bit) in the first octet. Class A networks range from 1 through 127 (0 is not a legal network). Host addresses use the last three octets based on the subnet mask. Two class A networks are reserved for special use - 10.0.0.0 is reserved for private addressing. 127.0.0.0 is reserved for use within the local device. 127.0.0.1 is generally used as the Local (or internal) Loopback address.

Class B networks use the first two octets for the network and begin with bits "10xxxxxx" in the first octet. Class B networks range from 128.0.0.0 through 191.255.0.0. Within the B's, networks in the range from 172.16.0.0 through 172.31.0.0 are reserved for private addressing.

Class C networks use the first three octets for the network and begin with bits "110xxxxx" in the first octet. Class C networks range from 192.0.0.0 through 223.255.255.0. Within the C's, networks starting with 192.168.x.x are reserved for private addressing.

Class D networks use the first three octets for the network and begin with bits "1110xxxx" in the first octet. Class D networks are primarily used for Multicast network devices.

Class E networks are for experimental use. They use the first three octets for the network and begin with bits "1111xxxx" in the first octet. Networks can also be grouped (as opposed to subnetted) to create supernets or network summaries. This is done by applying a Network Mask. Network masks

work the same as subnet masks only instead of the trailing zero bits being used to define hosts, the trailing zero bits are used to define the group of networks (or subnets).

The following charts map out the different classes and ranges of networks in each class and provide a network / subnet masking reference.

IP Addressing Reference

Class	Octet			
	First	Second	Third	Fourth
A	0xxxxxxx	xxxxxxx	xxxxxxx	xxxxxxx
Registered	1 -- 126	0 -- 255	0 -- 255	0 -- 255
Local Loopback	127	0 -- 255	0 -- 255	0 -- 255
Private	10	0 -- 255	0 -- 255	0 -- 255
B	10xxxxxx	xxxxxxx	xxxxxxx	xxxxxxx
Registered	128 -- 191	0 -- 255	0 -- 255	0 -- 255
Private	172	16 -- 31	0 -- 255	0 -- 255
C	110xxxxx	xxxxxxx	xxxxxxx	xxxxxxx
Registered	192 -- 223	0 -- 255	0 -- 255	0 -- 255
Private	192	168	0 -- 255	0 -- 255
D	1110xxxx	xxxxxxx	xxxxxxx	xxxxxxx
Multicast	224 -- 239	0 -- 255	0 -- 255	0 -- 255
E	1111xxxx	xxxxxxx	xxxxxxx	xxxxxxx
Experimental	240 -- 254	0 -- 255	0 -- 255	0 -- 255
*	Network part			Host part

Notes to remember:

The First and last address in each subnet is reserved for the network and broadcast. Likewise, for each network in a given class (A, B, or C) the first and last subnet is reserved. Many router vendor implementations allow the use of the zero subnet; however, this is not always enabled by default.

Subnets must start on a multiple of the mask. For example, if the mask is 255.255.255.192, valid networks will start with 0, 64, 128, etc. (See IP Address Mask Reference Sheet). If using Variable Length Subnet Mask (VLSM), consecutive subnets do not have to use the same mask; however, they cannot overlap.

Assigned Multicast Addresses

IP Multicast addresses are "Class D" addresses that range from 224.0.0.0 through 239.255.255.255.

The range of addresses between 224.0.0.0 and 224.0.0.255, inclusive, is reserved for the use of routing protocols and other low-level topology discovery or maintenance protocols, such as gateway discovery and group membership reporting.

Local Network Control Block (224.0.0.0 - 224.0.0.255)

Address	Description	Reference
224.0.0.0	Base Address (Reserved)	[RFC1112,JBP]
224.0.0.1	All Systems on this Subnet	[RFC1112,JBP]
224.0.0.2	All Routers on this Subnet	[JBP]
224.0.0.3	Unassigned	[JBP]
224.0.0.4	DVMRP Routers	[RFC1075,JBP]
224.0.0.5	OSPF/IGP All Routers	[RFC2328,JXM1]
224.0.0.6	OSPF/IGP Designated Routers	[RFC2328,JXM1]
224.0.0.7	ST Routers	[RFC1190,KS14]
224.0.0.8	ST Hosts	[RFC1190,KS14]
224.0.0.9	RIP2 Routers	[RFC1723,GSM11]
224.0.0.10	IGRP Routers	[Farinacci]
224.0.0.11	Mobile-Agents	[Bill Simpson]
224.0.0.12	DHCP Server / Relay Agent	[RFC1884]
224.0.0.13	All PIM Routers	[Farinacci]
224.0.0.14	RSVP-ENCAPSULATION	[Braden]
224.0.0.15	all-cbt-routers	[Ballardie]
224.0.0.16	designated-sbm	[Baker]

Address	Description	Reference
224.0.0.17	all-sbms	[Baker]
224.0.0.18	VRRP	[Hinden]
224.0.0.19	IPALL1ISs	[Przygienda]
224.0.0.20	IPALL2ISs	[Przygienda]
224.0.0.21	IPAllIntermediate Systems	[Przygienda]
224.0.0.22	IGMP	[Deering]
224.0.0.23	GLOBECAST-ID	[Scannell]
224.0.0.24	Unassigned	[JBP]
224.0.0.25	router-to-switch	[Wu]
224.0.0.26	Unassigned	[JBP]
224.0.0.27	AI MPP Hello	[Martinicky]
224.0.0.28	ETC Control	[Polishinski]
224.0.0.29	GE-FANUC	[Wacey]
224.0.0.30	indigo-vhdp	[Caughie]
224.0.0.31	shinbroadband	[Kittivatcharapong]
224.0.0.32	digistar	[Kerkan]
224.0.0.33	ff-system-management	[Glanzer]

Address	Description	Reference
224.0.0.34	pt2-discover	[Kammerlander]
224.0.0.35	DXCLUSTER	[Koopman]
224.0.0.36	DTCP Announcement	[Cipiere]
224.0.0.37-224.0.0.68	zeroconfaddr	[Guttman]
224.0.0.69-224.0.0.100	Reserved	[IANA]
224.0.0.101	cisco-nhap	[Bakke]
224.0.0.102	HSRP	[Wilson]
224.0.0.103	MDAP	[Deleu]
224.0.0.104-224.0.0.250	Unassigned	[JBP]
224.0.0.251	mDNS	[Cheshire]
224.0.0.252-224.0.0.255	Unassigned	[JBP]

Internetwork Control Block (224.0.1.0 - 224.0.1.255)

Address	Description	Reference
224.0.1.0	VMTP Managers Group	[RFC1045,DRC3]
224.0.1.1	NTP Network Time Protocol	[RFC1119,DLM1]
224.0.1.2	SGI-Dogfight	[AXC]
224.0.1.3	Rwhod	[SXD]
224.0.1.4	VNP	[DRC3]
224.0.1.5	Artificial Horizons - Aviator	[BXF]
224.0.1.6	NSS - Name Service Server	[BXS2]
224.0.1.7	AUDIONEWS - Audio News Multicast	[MXF2]
224.0.1.8	SUN NIS+ Information Service	[CXM3]
224.0.1.9	MTP Multicast Transport Protocol	[SXA]
224.0.1.10	IETF-1-LOW-AUDIO	[SC3]
224.0.1.11	IETF-1-AUDIO	[SC3]
224.0.1.12	IETF-1-VIDEO	[SC3]
224.0.1.13	IETF-2-LOW-AUDIO	[SC3]
224.0.1.14	IETF-2-AUDIO	[SC3]
224.0.1.15	IETF-2-VIDEO	[SC3]
224.0.1.16	MUSIC-SERVICE	[Guido van Rossum]
224.0.1.17	SEANET-TELEMETRY	[Andrew Maffei]
224.0.1.18	SEANET-IMAGE	[Andrew Maffei]
224.0.1.19	MLOADD	[Braden]
224.0.1.20	any private experiment	[JBP]
224.0.1.21	DVMRP on MOSPF	[John Moy]

Address	Description	Reference
224.0.1.22	SVRLOC	[Veizades]
224.0.1.23	XINGTV	[Gordon]
224.0.1.24	microsoft-ds	
224.0.1.25	nbc-pro	
224.0.1.26	nbc-pfn	
224.0.1.27	lmisc-calren-1	[Uang]
224.0.1.28	lmisc-calren-2	[Uang]
224.0.1.29	lmisc-calren-3	[Uang]
224.0.1.30	lmisc-calren-4	[Uang]
224.0.1.31	ampr-info	[Janssen]
224.0.1.32	mtrace	[Casner]
224.0.1.33	RSVP-encap-1	[Braden]
224.0.1.34	RSVP-encap-2	[Braden]
224.0.1.35	SVRLOC-DA	[Veizades]
224.0.1.36	rln-server	[Kean]
224.0.1.37	proshare-mc	[Lewis]
224.0.1.38	dantz	[Zulch]
224.0.1.39	cisco-rp-announce	[Farinacci]
224.0.1.40	cisco-rp-discovery	[Farinacci]
224.0.1.41	gatekeeper	[Toga]
224.0.1.42	iberiagames	[Marocho]
224.0.1.43	nwn-discovery	[Zwemmer]
224.0.1.44	nwn-adaptor	[Zwemmer]

Address	Description	Reference
224.0.1.45	isma-1	[Dunne]
224.0.1.46	isma-2	[Dunne]
224.0.1.47	telerate	[Peng]
224.0.1.48	ciena	[Rodbell]
224.0.1.49	dcap-servers	[RFC2114]
224.0.1.50	dcap-clients	[RFC2114]
224.0.1.51	mcntp-directory	[Rupp]
224.0.1.52	mbone-vcr-directory	[Holfelder]
224.0.1.53	heartbeat	[Mamakos]
224.0.1.54	sun-mc-grp	[DeMoney]
224.0.1.55	extended-sys	[Poole]
224.0.1.56	pdrncs	[Wissenbach]
224.0.1.57	tns-adv-multi	[Albin]
224.0.1.58	vcals-dmu	[Shindoh]
224.0.1.59	zuba	[Jackson]
224.0.1.60	hp-device-disc	[Albright]
224.0.1.61	tms-production	[Gilani]
224.0.1.62	sunscalar	[Gibson]
224.0.1.63	mmtp-poll	[Costales]
224.0.1.64	compaq-peer	[Volpe]
224.0.1.65	iapp	[Meier]
224.0.1.66	multihasc-com	[Brockbank]
224.0.1.67	serv-discovery	[Honton]

Multicast Address Assignments – Continued

Address	Description	Reference
224.0.1.68	mdhepdiscover	[RFC2730]
224.0.1.69	MMP-bundle-discovery1	[Malkin]
224.0.1.70	MMP-bundle-discovery2	[Malkin]
224.0.1.71	XYPOINT DGPS Data Feed	[Green]
224.0.1.72	GilatSkySurfer	[Gal]
224.0.1.73	SharesLive	[Rowatt]
224.0.1.74	NorthernData	[Sheers]
224.0.1.75	SIP	[Schulzrinne]
224.0.1.76	IAPP	[Moelard]
224.0.1.77	AGENTVIEW	[Iyer]
224.0.1.78	Tibco Multicast1	[Shum]
224.0.1.79	Tibco Multicast2	[Shum]
224.0.1.80	MSP	[Caves]
224.0.1.81	OTT (One-way Trip Time)	[Schwartz]
224.0.1.82	TRACKTICKER	[Novick]
224.0.1.83	dtm-mc	[Gaddie]
224.0.1.84	jini-announcement	[Scheifler]
224.0.1.85	jini-request	[Scheifler]
224.0.1.86	sde-discovery	[Aronson]
224.0.1.87	DirecPC-SI	[Dillon]
224.0.1.88	B1RMonitor	[Purkiss]
224.0.1.89	3Com-AMP3 dRMON	[Banthia]
224.0.1.90	imFtmSvc	[Bhatti]
224.0.1.91	NQDS4	[Flynn]
224.0.1.92	NQDS5	[Flynn]
224.0.1.93	NQDS6	[Flynn]
224.0.1.94	NLVL12	[Flynn]
224.0.1.95	NTDS1	[Flynn]
224.0.1.96	NTDS2	[Flynn]
224.0.1.97	NODSA	[Flynn]
224.0.1.98	NODSB	[Flynn]
224.0.1.99	NODSC	[Flynn]
224.0.1.100	NODSD	[Flynn]
224.0.1.101	NQDS4R	[Flynn]
224.0.1.102	NQDS5R	[Flynn]
224.0.1.103	NQDS6R	[Flynn]
224.0.1.104	NLVL12R	[Flynn]
224.0.1.105	NTDS1R	[Flynn]

Address	Description	Reference
224.0.1.106	NTDS2R	[Flynn]
224.0.1.107	NODSAR	[Flynn]
224.0.1.108	NODSBR	[Flynn]
224.0.1.109	NODSCR	[Flynn]
224.0.1.110	NODSDR	[Flynn]
224.0.1.111	MRM	[Wei]
224.0.1.112	TVE-FILE	[Blackketter]
224.0.1.113	TVE-ANNOUNCE	[Blackketter]
224.0.1.114	Mac Srv Loc	[Woodcock]
224.0.1.115	Simple Multicast	[Crowcroft]
224.0.1.116	SpectraLinkGW	[Hamilton]
224.0.1.117	dieboldmcast	[Marsh]
224.0.1.118	Tivoli Systems	[Gabriel]
224.0.1.119	pq-lic-mcast	[Sledge]
224.0.1.120	HYPERFEED	[Kreutzjans]
224.0.1.121	Pipesplatform	[Dissett]
224.0.1.122	LiebDevMgmg-DM	[Velten]
224.0.1.123	TRIBALVOICE	[Thompson]
224.0.1.124	Unassigned	
224.0.1.125	PolyCom Relay1	[Coutiere]
224.0.1.126	Infront Multi1	[Lindeman]
224.0.1.127	XRX DEVICE DISC	[Wang]
224.0.1.128	CNN	[Lynch]
224.0.1.129	PTP-primary	[Eidson]
224.0.1.130	PTP-alternate1	[Eidson]
224.0.1.131	PTP-alternate2	[Eidson]
224.0.1.132	PTP-alternate3	[Eidson]
224.0.1.133	ProCast	[Revzen]
224.0.1.134	3Com Discp	[White]
224.0.1.135	CS-Multicasting	[Stanev]
224.0.1.136	TS-MC-1	[Sveistrup]
224.0.1.137	Make Source	[Daga]
224.0.1.138	Teleborsa	[Strazzera]
224.0.1.139	SUMACConfig	[Wallach]
224.0.1.140	Unassigned	
224.0.1.141	DHCP-SERVERS	[Hall]
224.0.1.142	CN Router-LL	[Armitage]
224.0.1.143	EMWIN	[Querubin]

Address	Description	Reference
224.0.1.144	Alchemy Cluster	[O'Rourke]
224.0.1.145	Satcast One	[Nevell]
224.0.1.146	Satcast Two	[Nevell]
224.0.1.147	Satcast Three	[Nevell]
224.0.1.148	Intline	[Sliwinski]
224.0.1.149	8x8 Multicast	[Roper]
224.0.1.150	Unassigned	[JBP]
224.0.1.151	Intline-1	[Sliwinski]
224.0.1.152	Intline-2	[Sliwinski]
224.0.1.153	Intline-3	[Sliwinski]
224.0.1.154	Intline-4	[Sliwinski]
224.0.1.155	Intline-5	[Sliwinski]
224.0.1.156	Intline-6	[Sliwinski]
224.0.1.157	Intline-7	[Sliwinski]
224.0.1.158	Intline-8	[Sliwinski]
224.0.1.159	Intline-9	[Sliwinski]
224.0.1.160	Intline-10	[Sliwinski]
224.0.1.161	Intline-11	[Sliwinski]
224.0.1.162	Intline-12	[Sliwinski]
224.0.1.163	Intline-13	[Sliwinski]
224.0.1.164	Intline-14	[Sliwinski]
224.0.1.165	Intline-15	[Sliwinski]
224.0.1.166	marratech-cc	[Parnes]
224.0.1.167	EMS-InterDev	[Lyda]
224.0.1.168	itb301	[Rueskamp]
224.0.1.169	rtv-audio	[Adams]
224.0.1.170	rtv-video	[Adams]
224.0.1.171	HAVI-Sim	[Wasserroth]
224.0.1.172	Nokia Cluster	[O'Rourke]
224.0.1.173	host-request	[K. Thompson]
224.0.1.174	host-announce	[K. Thompson]
224.0.1.175	ptk-cluster	[Hodgson]
224.0.1.176-	Unassigned	[JBP]
224.0.1.255		

AD-HOC Block (224.0.2.0 - 224.0.255.0)

Address	Description	Reference
224.0.2.064-224.0.2.095	SIAC MDD Service	[Tse]
224.0.2.096-224.0.2.127	CoolCast	[Ballister]
224.0.2.128-224.0.2.191	WOZ-Garage	[Marquardt]
224.0.2.192-224.0.2.255	SIAC MDD Market Service	[Lamberg]
224.0.3.0-224.0.3.255	RFE Generic Service	[DXS3]
224.0.4.0-224.0.4.255	RFE Individual Conferences	[DXS3]
224.0.5.0-224.0.5.127	CDPD Groups	[Bob Brenner]
224.0.5.128-224.0.5.191	SIAC Market Service	[Cho]
224.0.5.192-224.0.5.255	SIAC NYSE Order PDP protocol	[Chan]
224.0.6.0-224.0.6.127	Cornell ISIS Project	[Tim Clark]
224.0.6.128-224.0.6.255	Unassigned	[IANA]
224.0.7.0-224.0.7.255	Where-Are-You	[Simpson]
224.0.8.0-224.0.8.255	INTV	[Tynan]
224.0.9.0-224.0.9.255	Invisible Worlds	[Malamud]
224.0.10.0-224.0.10.255	DLsw Groups	[Lee]
224.0.11.0-224.0.11.255	NCC.NET Audio	[Rubin]
224.0.12.0-224.0.12.063	Microsoft and MSNBC	[Blank]
224.0.13.0-224.0.13.255	UUNET PIPEX Net News	[Barber]
224.0.14.0-224.0.14.255	NLANR	[Wessels]
224.0.15.0-224.0.15.255	Hewlett Packard	[van der Meulen]
224.0.16.0-224.0.16.255	XingNet	[Uusitalo]

Address	Description	Reference
224.0.17.0-224.0.17.031	Mercantile & Commodity Exchange	[Gilani]
224.0.17.032-224.0.17.063	NDQMD1	[Nelson]
224.0.17.064-224.0.17.127	ODN-DTV	[Hodges]
224.0.18.0-224.0.18.255	Dow Jones	[Peng]
224.0.19.0-224.0.19.063	Walt Disney Company	[Watson]
224.0.19.064-224.0.19.095	Cal Multicast	[Moran]
224.0.19.096-224.0.19.127	SIAC Market Service	[Roy]
224.0.19.128-224.0.19.191	IIG Multicast	[Carr]
224.0.19.192-224.0.19.207	Metropol	[Crawford]
224.0.19.208-224.0.19.239	Xenosience, Inc.	[Timm]
224.0.19.240-224.0.19.255	HYPERFEED	[Felix]
224.0.20.0-224.0.20.063	MS-IP/TV	[Wong]
224.0.20.064-224.0.20.127	Reliable Network Solutions	[Vogels]
224.0.20.128-224.0.20.143	TRACKTICKER Group	[Novick]
224.0.20.144-224.0.20.207	CNR Rebroadcast MCA	[Sautter]
224.0.21.0-224.0.21.127	Talarian MCAST	[Mendal]
224.0.22.0-224.0.22.255	WORLD MCAST	[Stewart]
224.0.252.0-224.0.252.255	Domain Scoped Group	[Fenner]
224.0.253.0-224.0.253.255	Report Group	[Fenner]
224.0.254.0-224.0.254.255	Query Group	[Fenner]
224.0.255.0-224.0.255.255	Border Routers	[Fenner]

Miscellaneous and Reserved Blocks

Address	Description	Reference
224.1.0.0 - 224.1.255.255	ST Multicast Groups	[RFC1190,KS14]
224.2.0.0 - 224.2.255.255	SDP/SAP Block	
224.2.0.0 - 224.2.127.253	Multimedia Conference Calls	[SC3]
224.2.127.254	SAPv1 Announcements	[SC3]
224.2.127.255	SAPv0 Announcements (deprecated)	[SC3]
224.2.128.0-224.2.255.255	SAP Dynamic Assignments	[SC3]
224.3.0.0 - 224.251.255.255	Reserved	[IANA]
224.252.0.0-224.255.255.255	DIS Transient Groups	[IANA]
225.0.0.0-231.255.255.255	Reserved	[IANA]
232.0.0.0-232.255.255.255	Source Specific Multicast	[DRC3]

Address	Description	Reference
233.0.0.0-233.255.255.255	GLOP Block	[RFC3180]
234.0.0.0-238.255.255.255	Reserved	[IANA]
239.0.0.0-239.255.255.255	Administratively Scoped	[IANA,RFC2365]
239.0.0.0-239.063.255.255	Reserved	[IANA]
239.064.0.0-239.127.255.255	Reserved	[IANA]
239.128.0.0-239.191.255.255	Reserved	[IANA]
239.192.0.0-239.251.255.255	Organization-Local Scope	[Meyer,RFC2365]
239.252.0.0-239.252.255.255	Site-Local Scope (reserved)	[Meyer,RFC2365]
239.253.0.0-239.253.255.255	Site-Local Scope (reserved)	[Meyer,RFC2365]
239.254.0.0-239.254.255.255	Site-Local Scope (reserved)	[Meyer,RFC2365]
239.255.0.0-239.255.255.255	Site-Local Scope	[Meyer,RFC2365]
239.255.2.2	rasadv	[Thaler]

Common Routing Protocols

Routing protocols are a set of standards based rules that network devices use to share information about connected networks and to determine the best optimal network path to reach those networks. Networks can and may well use any one or combination of routing protocols to advertise accessibility across an enterprise. A brief primer of routing basics is available on Cisco's web site at http://www.cisco.com/univercd/cc/td/doc/cisintwk/ito_doc/routing.htm#xtocid1

Several of the most commonly used Routing protocols are described in the table below. Further details are available directly from the standards bodies that maintain these protocols.

Additionally, Cisco offers an excellent functional description of these and many more protocols at

<http://www.cisco.com/cgi-bin/Support/PSP/index.pl?i=Technologies>

Protocol	Description	References
RIP – Routing Information Protocol	Basic routing protocol used in simple network environments. Routing primarily based on router "hops" to destination network. v1 – RIP Version 1. Distance Vector Protocol. Classful network routing only. Does not support VLSM. v2 – RIP Version 2 – Distance Vector protocol. Supports CIDR, triggered updates, and VLSM.	RIP v1 RFC 1058 STD 56 RIP v2 RFC 1723
OSPF – Open Shortest Path First	Link State routing protocol with hierarchical network design capabilities. <ul style="list-style-type: none"> • Supports CIDR and VLSM • Can be configured in flat (single area) or hierarchical network design. • Hierarchy defined by network Areas – Area zero is reserved for backbone (transit between areas). • Valid area numbers: 0 – 4294967295. Can be represented in dotted decimal form (A.B.C.D). • Uses multicast (224.0.0.5) for route updates between neighbor routers. • Routing primarily determined by hop count and "link cost". 	RFC 1583 Many additional RFCs have been published regarding OSPF.
IGRP – Interior Gateway Routing Protocol	Protocol provides coordination of route information among a complex set of gateways. The primary attributes of IGRP include: <ul style="list-style-type: none"> • Does not support CIDR • Supports Hierarchical design using Autonomous Systems (AS) – range from 1 – 255. • Supports multi-path equal cost routing • Route decisions based on line quality (error rates) and traffic levels 	Cisco
EIGRP – Enhanced Interior Gateway Routing Protocol	Cisco Proprietary routing protocol, <ul style="list-style-type: none"> • supports CIDR and VLSM. • supports multiple layer 3 protocols (IP, IPX). • Supports Hierarchical design using Autonomous Systems (AS) – range from 1 – 65535. • Number of neighbor routers is limited by hardware/software constraints. • Routing determined primarily by hop count. 	Cisco
BGP-4 – Border Gateway Protocol (version 4)	BGP-4 is an advanced protocol primarily used on the Internet and on complex Intranets. <ul style="list-style-type: none"> • Supports CIDR and VLSM. • Supports Hierarchical design using Autonomous Systems (AS) – range from 1 – 65535. • AS numbers: 1- 64511 Registered use only; 64512 – 65534 Private use; 65535 Reserved. • Inter AS routing managed through EBGP neighbors (peers). • Routing determined by a variety of Route Attributes. 	RFC 1771 IANA
MPLS – Multiprotocol Label Switching	MPLS is an advanced protocol primarily used by ISPs and large corporate networks on routed network backbones to "switch" layer 3 traffic across a common infrastructure very quickly without the traditional routing (route determination) overhead at each layer 3 device in the data path. <ul style="list-style-type: none"> • Changes the hop-by-hop traditional routing protocol paradigm by enabling devices to specify paths in the network based upon QoS and bandwidth needs of the applications. • Relies on two principal components: <i>forwarding</i> and <i>control</i>. <i>Forwarding</i> uses labels carried by packets and the label-forwarding information maintained by an LSR to perform packet forwarding. <i>Control</i> is responsible for maintaining correct label-forwarding information among a group of interconnected label switches (LSRs). 	IETF

Assigned Protocols Numbers

(last updated 2001 December 18) Source: <http://www.iana.org/assignments/protocol-numbers>

Dec.	Keyword	Protocol	References
0	HOPOPT	IPv6 Hop-by-Hop Option	[RFC1883]
1	ICMP	Internet Control Message	[RFC792]
2	IGMP	Internet Group Management	[RFC1112]
3	GGP	Gateway-to-Gateway	[RFC823]
4	IP	IP in IP (encapsulation)	[RFC2003]
5	ST	Stream	[RFC1190,RFC1819]
6	TCP	Transmission Control	[RFC793]
7	CBT	CBT	[Ballardie]
8	EGP	Exterior Gateway Protocol	[RFC888,DLM1]
9	IGP	any private interior gateway	[IANA]
10	BBN-RCC-MON	BBN RCC Monitoring	[SGC]
11	NVP-II	Network Voice Protocol	[RFC741,SC3]
12	PUP	PUP	[PUP,XEROX]
13	ARGUS	ARGUS	[RWS4]
14	EMCON	EMCON	[BN7]
15	XNET	Cross Net Debugger	[IEN158,JFH2]
16	CHAOS	Chaos	[NC3]
17	UDP	User Datagram	[RFC768,JBP]
18	MUX	Multiplexing	[IEN90,JBP]
19	DCN-MEAS	DCN Measurement Subsystems	[DLM1]
20	HMP	Host Monitoring	[RFC869,RH6]
21	PRM	Packet Radio Measurement	[ZSU]
22	XNS-IDP	XEROX NS IDP	[ETHERNET,XEROX]
23	TRUNK-1	Trunk-1	[BWB6]
24	TRUNK-2	Trunk-2	[BWB6]
25	LEAF-1	Leaf-1	[BWB6]
26	LEAF-2	Leaf-2	[BWB6]
27	RDP	Reliable Data Protocol	[RFC908,RH6]
28	IRTP	Internet Reliable Transaction	[RFC938,TXM]
29	ISO-TP4	ISO Transport Protocol Class 4	[RFC905,RC77]
30	NETBLT	Bulk Data Transfer Protocol	[RFC969,DDC1]
31	MFE-NSP	MFE Network Services Protocol	[MFENET,BCH2]
32	MERIT-INP	MERIT Internodal Protocol	[HWB]
33	SEP	Sequential Exchange Protocol	[JC120]
34	3PC	Third Party Connect Protocol	[SAF3]
35	IDPR	Inter-Domain Policy Routing Protocol	[MXS1]
36	XTP	XTP	[GXC]
37	DDP	Datagram Delivery Protocol	[WXC]
38	IDPR-CMTP	IDPR Control Message Transport Proto	[MXS1]
39	TP++	TP++ Transport Protocol	[DXF]
40	IL	IL Transport Protocol	[Presotto]
41	IPv6	Ipv6	[Deering]
42	SDRP	Source Demand Routing Protocol	[DXE1]
43	IPv6-Route	Routing Header for IPv6	[Deering]
44	IPv6-Frag	Fragment Header for IPv6	[Deering]
45	IDRP	Inter-Domain Routing Protocol	[Sue Hares]
46	RSVP	Reservation Protocol	[Bob Braden]
47	GRE	General Routing Encapsulation	[Tony Li]
48	MHRP	Mobile Host Routing Protocol	[David Johnson]

Dec.	Keyword	Protocol	References
49	BNA	BNA	[Gary Salamon]
50	ESP	Encapsulating Security Payload	[RFC1827]
51	AH	Authentication Header	[RFC1826]
52	I-NLSP	Integrated Net Layer Security TUBA	[GLENN]
53	SWIPE	IP with Encryption	[Ji6]
54	NARP	NBMA Address Resolution Protocol	[RFC1735]
55	MOBILE	IP Mobility	[Perkins]
56	TLSP	Transport Layer Security Protocol (using Kryptonnet key management)	[Oberg]
57	SKIP	SKIP	[Markson]
58	IPv6-ICMP	ICMP for IPv6	[RFC1883]
59	IPv6-NoNxt	No Next Header for IPv6	[RFC1883]
60	IPv6-Opts	Destination Options for IPv6	[RFC1883]
61		any host internal protocol	[IANA]
62	CFTP	CFTP	[CFTP,HCF2]
63		any local network	[IANA]
64	SAT-EXPAK	SATNET and Backroom EXPAK	[SHB]
65	KRYPTOLAN	Kryptolan	[PXL1]
66	RVD	MIT Remote Virtual Disk Protocol	[MBG]
67	IPPC	Internet Pluribus Packet Core	[SHB]
68		any distributed file system	[IANA]
69	SAT-MON	SATNET Monitoring	[SHB]
70	VISA	VISA Protocol	[GXT1]
71	IPCV	Internet Packet Core Utility	[SHB]
72	CPNX	Computer Protocol Network Executive	[DXM2]
73	CPHB	Computer Protocol Heart Beat	[DXM2]
74	WSN	Wang Span Network	[VXD]
75	PVP	Packet Video Protocol	[SC3]
76	BR-SAT-MON	Backroom SATNET Monitoring	[SHB]
77	SUN-ND	SUN ND PROTOCOL-Temporary	[WM3]
78	WB-MON	WIDEBAND Monitoring	[SHB]
79	WB-EXPAK	WIDEBAND EXPAK	[SHB]
80	ISO-IP	ISO Internet Protocol	[MTR]
81	VMTP	VMTP	[DRC3]
82	SECURE-VMTP	SECURE-VMTP	[DRC3]
83	VINES	VINES	[BXH]
84	TTP	TTP	[JXS]
85	NSFNET-IGP	NSFNET-IGP	[HWB]
86	DGP	Dissimilar Gateway Protocol	[DGP,ML109]
87	TCF	TCF	[GAL5]
88	EIGRP	EIGRP	[CISCO,GXS]
89	OSPFIGP	OSPFIGP	[RFC1583,JTM4]
90	Sprite-RPC	Sprite RPC Protocol	[SPRITE,BXW]
91	LARP	Locus Address Resolution Protocol	[BXH]
92	MTP	Multicast Transport Protocol	[SXA]
93	AX.25	AX.25 Frames	[BK29]
94	IPIP	IP-within-IP Encapsulation Protocol	[Ji6]
95	MICP	Mobile Internetwork	

Assigned IP Port Numbers

IP Port numbers are divided into three ranges:

- Well Known Ports: Well Known Ports are those from 0 through 1023 – Current Well Known Ports are listed below.
- Registered Ports: Registered Ports are those from 1024 through 49151 and are assigned for exclusive use for specific applications.
- Dynamic and/or Private Ports: Dynamic and/or Private Ports are those from 49152 through 65535 and are available for use by any application.

NOTE: UNASSIGNED PORT NUMBERS SHOULD NOT BE USED. THE IANA WILL ASSIGN THE NUMBER FOR THE PORT AFTER YOUR APPLICATION HAS BEEN APPROVED.
(last updated 05 Feb 2002) Source: <http://www.iana.org/assignments/port-numbers>

Well Known IP Ports (0-1023)

The Well Known Ports are assigned by the IANA and on most systems can only be used by system (or root) processes or by programs executed by privileged users. Ports are used in the TCP [RFC793] to name the ends of logical connections which carry long term conversations. For the purpose of providing services to unknown callers, a service contact port is defined. This list specifies the port used by the server process as its contact port. The contact port is sometimes called the "well-known port". To the extent possible, these same port assignments are used with the UDP [RFC768].

Port	Description
0	Reserved
1	TCP Port Service Multiplexer
2	Management Utility
3	Compression Process
4	Unassigned
5	Remote Job Entry
6	Unassigned
7	Echo – Ping default
8	Unassigned
9	Discard
10	Unassigned
11	Active Users
12	Unassigned
13	Daytime (RFC 867)
14	Unassigned
15	Unassigned [was netstat]
16	Unassigned
17	Quote of the Day
18	Message Send Protocol
19	Character Generator
20	FTP Data - File Transfer [Default Data]
21	FTP - File Transfer [Control]
22	SSH Remote Login Protocol
23	Telnet
24	any private mail system
25	Simple Mail Transfer
26	Unassigned
27	NSW User System FE
28	Unassigned
29	MSG ICP
30	Unassigned
31	MSG Authentication
32	Unassigned
33	Display Support Protocol
34	Unassigned
35	any private printer server

Port	Description
36	Unassigned
37	Time
38	rap - Route Access Protocol
39	rpl - Resource Location Protocol
40	Unassigned
41	Graphics
42	name - Host Name Server
42	nameserver - Host Name Server
43	Who Is
44	MPM FLAGS Protocol
45	mpm - Message Processing Module [recv]
46	MPM [default send]
47	NI FTP
48	Digital Audit Daemon
49	tacacs - Login Host Protocol (TACACS)
50	Remote Mail Checking Protocol
51	IMP Logical Address Maintenance
52	XNS Time Protocol
53	DNS - Domain Name Server
54	XNS Clearinghouse
55	ISI Graphics Language
56	XNS Authentication
57	any private terminal access
58	XNS Mail
59	any private file service
60	Unassigned
61	NI MAIL
62	ACA Services
63	whois++
64	Communications Integrator (CI)
65	TACACS-Database Service
66	Oracle SQL*NET
67	BootP - Bootstrap Protocol Server
68	Bootp - Bootstrap Protocol Client
69	TFTP - Trivial File Transfer
70	Gopher

Port	Description
71	Remote Job Service
72	Remote Job Service
73	Remote Job Service
74	Remote Job Service
75	any private dial out service
76	deos - Distributed External Object Store
77	any private RJE service
78	vettp
79	Finger
80	World Wide Web HTTP
81	HOSTS2 Name Server
82	XFER Utility
83	MIT ML Device
84	Common Trace Facility
85	MIT ML Device
86	Micro Focus Cobol
87	any private terminal link
88	Kerberos
89	SU/MIT Telnet Gateway
90	pointcast - unofficially being used by Pointcast
90	DNSIX Securit Attribute Token Map
91	MIT Dover Spooler
92	Network Printing Protocol
93	Device Control Protocol
94	Tivoli Object Dispatcher
95	SUPDUP
96	DIXIE Protocol Specification
97	Swift Remote Virtual File Protocol
98	TAC News
99	Metagram Relay
100	[unauthorized use]
101	NIC Host Name Server
102	ISO-TSAP Class 0
103	Genesis Point-to-Point Trans Net
104	ACR-NEMA Digital Imag. & Comm. 300

Port	Description
105	CCSO name server protocol
105	csnet-ns - Mailbox Name Nameserver
106	3COM-TSMUX
106	poppassd - Unauthorized use by insecure poppassd protocol
107	Remote Telnet Service
108	SNA Gateway Access Server
109	POP2 - Post Office Protocol - Version 2
110	POP3 - Post Office Protocol - Version 3
111	SUN Remote Procedure Call
112	McIDAS Data Transmission Protocol
113	ident
113	Authentication Service
114	Audio News Multicast
115	sftp - Simple File Transfer Protocol
116	ANSA REX Notify
117	UUCP Path Service
118	SQL Services
119	NNTP - Network News Transfer Protocol
120	CFDPTKT
121	erpc - Encore Expedited Remote Pro.Call
122	SMAKYNET
123	NTP - Network Time Protocol
124	ANSA REX Trader
125	Locus PC-Interface Net Map Ser
126	NXEdit
126	Unisys Unitary Login
127	Locus PC-Interface Conn Server
128	GSS X License Verification
129	pwdgen - Password Generator Protocol
130	cisco FNATIVE
131	cisco TNATIVE
132	cisco SYSMOINT
133	Statistics Service
134	INGRES-NET Service
135	DCE endpoint resolution

Well Known Port Numbers – Continued

Port	Description
136	PROFILE Naming System
137	NETBIOS Name Service
138	NETBIOS Datagram Service
139	NETBIOS Session Service
140	EMFIS Data Service
141	EMFIS Control Service
142	Britton-Lee IDM
143	Internet Message Access Protocol
144	Universal Management Architecture
145	UAAC Protocol
146	ISO-IP0
147	ISO-IP
148	Jargon
149	AED 512 Emulation Service
150	SQL-NET
151	HEMS
152	bftp - Background File Transfer Program
153	SGMP
154	NETSC – prod
155	NETSC – dev
156	SQL Service
157	KNET/VM Command/Message Protocol
158	PCMail Server
159	NSS-Routing
160	SGMP-TRAPS
161	SNMP
162	SNMPTRAP
163	CMIP/TCP Manager
164	CMIP/TCP Agent
165	Xerox
166	Sirius Systems
167	NAMP
168	RSVD
169	SEND
170	Network PostScript
171	Network Innovations Multiplex
172	Network Innovations CL/1
173	Xyplex
174	MAILQ
175	VMNET
176	GENRAD-MUX
177	X Display Manager Control Protocol
178	NextStep Window Server
179	Border Gateway Protocol
180	Intergraph
181	Unify
182	Unisys Audit SITP
183	OCBinder
184	OCServer
185	Remote-KIS
186	KIS Protocol
187	Application Communication Interface
188	Plus Five's MUMPS
189	Queued File Transport
190	Gateway Access Control Protocol
191	Prospero Directory Service

Port	Description
192	OSU Network Monitoring System
193	Spider Remote Monitoring Protocol
194	Internet Relay Chat Protocol
195	DNSIX Network Level Module Audit
196	DNSIX Session Mgt Module Audit Redir
197	Directory Location Service
198	Directory Location Service Monitor
199	SMUX
200	IBM System Resource Controller
201	AppleTalk Routing Maintenance
202	AppleTalk Name Binding
203	AppleTalk Unused
204	AppleTalk Echo
205	AppleTalk Unused
206	AppleTalk Zone Information
207	AppleTalk Unused
208	AppleTalk Unused
209	The Quick Mail Transfer Protocol
210	ANSI Z39.50
211	Texas Instruments 914C/G Terminal
212	ATEXSSSTR
213	IPX
214	VM PWSCS
215	Insignia Solutions
216	Computer Associates Int'l License Server
217	dBASE Unix
218	Netix Message Posting Protocol
219	Unisys ARPs
220	Interactive Mail Access Protocol v3
221	Berkeley rlogind with SPX auth
222	Berkeley rshd with SPX auth
223	Certificate Distribution Center
224	masqdiarler
225-241	Reserved
242	Direct
243	Survey Measurement
244	Inbusiness
245	LINK
246	Display Systems Protocol
247	SUBNTBCST TFTP
248	Bhfhs
249-255	Reserved
256	RAP
257	Secure Electronic Transaction
258	Yak Winsock Personal Chat
259	Efficient Short Remote Operations
260	Openport
261	IIOp Name Service over TLS/SSL
262	Arcisdms
263	HDAP
264	BGMP
265	X-Bone CTL
266	SCSI on ST
267	Tobit David Service Layer
268	Tobit David Replica
269-279	Unassigned

Port	Description
280	http-mgmt
281	Personal Link
282	Cable Port A/X
283	rescap
284	corerjd
285	Unassigned
286	FXP-1
287	K-BLOCK
288-307	Unassigned
308	Novastor Backup
309	EntrustTime
310	bhmds
311	AppleShare IP WebAdmin
312	VSLMP
313	Magenta Logic
314	Opalis Robot
315	DPSI
316	decAuth
317	Zannet
318	PKIX TimeStamp
319	PTP Event
320	PTP General
321	PIP
322	RTSPS
323-332	Unassigned
333	Texar Security Port
334-343	Unassigned
344	pdap - Prospero Data Access Protocol
345	pawserv - Perf Analysis Workbench
346	zserv - Zebra server
347	Fatmen Server
348	Cabletron Management Protocol
349	mftp
350	MATIP Type A
351	MATIP Type B
351	bhoetty (added 5/21/97) unassigned but widespread use
351	bhoetty unassigned but widespread use
352	DTAG (assigned long ago)
352	DTAG
352	bhoedap4 (added 5/21/97) unassigned but widespread use
352	bhoedap4 unassigned but widespread use
353	NDSAUTH
354	bh611
355	DATEx-ASN
356	Cloanto Net 1
357	bhevent
358	Shrinkwrap
359	nsrmp - Network Security Risk Management Protocol
360	scoi2odialog
361	Semantix
362	SRS Send
363	RSVP Tunnel
364	Aurora CMGR

Port	Description
365	DTK
366	ODMR
367	MortgageWare
368	QbikGDP
369	rpe2portmap
370	codaaauth2
371	Clearcase
372	ulistproc - ListProcessor
373	legent-1 - Legent Corporation
374	legent-2 - Legent Corporation
375	Hassle
376	Amiga Envoy Network Inquiry Proto
377	NEC Corporation
378	NEC Corporation
379	TIA/EIA/IS-99 modem client
380	TIA/EIA/IS-99 modem server
381	hp performance data collector
382	hp performance data managed node
383	hp performance data alarm manager
384	A Remote Network Server System
385	IBM Application
386	ASA Message Router Object Def.
387	Appletalk Update-Based Routing Pro.
388	Unidata LDM
389	LDAP - Lightweight Directory Access Protocol
390	UIS
391	SynOptics SNMP Relay Port
392	SynOptics Port Broker Port
393	Meta5
394	EMBL Nucleic Data Transfer
395	NETscout Control Protocol
396	Novell Netware over IP
397	Multi Protocol Trans. Net.
398	Kryptolan
399	ISO Transport Class 2 Non-Control over TCP
400	Workstation Solutions
401	Uninterruptible Power Supply
402	Genie Protocol
403	decap
404	nced
405	ncl
406	Interactive Mail Support Protocol
407	Timbuktu
408	Prospero Resource Manager Sys. Man.
409	Prospero Resource Manager Node Man.
410	DECLadefug Remote Debug Protocol
411	Remote MT Protocol
412	Trap Convention Port
413	Storage Management Services Protocol
414	InfoSeek
415	BNet
416	Silverplatter
417	Onmux
418	Hyper-G

Well Known Port Numbers – Continued

Port	Description
419	Ariel
420	SMPTE
421	Ariel-2
422	Ariel-3
423	opc-job-start - IBM Operations Planning and Control Start
424	opc-job-track - IBM Operations Planning and Control Track
425	ICAD
426	smartsdp
427	svrloc - Server Location
428	OCS_CMU
429	OCS_AMU
430	UTMPSD
431	UTMPCD
432	IASD
433	NNSP
434	MobileIP-Agent
435	MobilIP-MN
436	DNA-CML
437	comscm
438	dsfgw
439	daspThomas Obermair
439	dasptommy@inlab.m.eunet.de
440	sgcp
441	decvms-sysmgt
442	cvc_hostd
443	HTTPS - http protocol over TLS/SSL
444	SNPP - Simple Network Paging Protocol
445	Microsoft-DS
446	DDM-RDB
447	DDM-RFM
448	DDM-SSL
449	AS Server Mapper
450	TServer
451	Cray Network Semaphore server
452	Cray SFS config server
453	CreativeServer
454	ContentServer
455	CreativePartnr
456	macon-tcp
456	macon-udp
457	scohelp
458	apple quick time
459	ampr-rcmd
460	skronk
461	DataRampSrv
462	DataRampSrvSec
463	alpes
464	kpasswd
465	URL Rendezvous Directory for SSM
465	IGMP over UDP for SSM
466	digital-vrc
467	mylex-mapd
468	Proturis
469	RCP - Radio Control Protocol

Port	Description
470	scx-proxy
471	Mondex
472	ljk-login
473	hybrid-pop
474	tn-tl-w1
474	tn-tl-w2
475	tcpnethasprv
476	tn-tl-fdl
477	ss7ns
478	Spssc
479	lafserver
480	lafdbase
481	Ph service
482	bgs-nsi
483	ulpnet
484	Integra Software Management Environment
485	Air Soft Power Burst
486	avian
487	saft Simple Asynchronous File Transfer
488	gss-http
489	nest-protocol
490	micom-pfs
491	go-login
492	ticf-1 - Transport Independent Convergence for FNA
493	ticf-2 - Transport Independent Convergence for FNA
494	POV-Ray
495	intecourier
496	PIM-RP-DISC
497	dantz
498	siam
499	ISO ILL Protocol
500	isakmp
501	STMF
502	asa-appl-proto
503	Intrinsa
504	citadel
505	mailbox-lm
506	ohimsrv
507	crs
508	xvttp
509	snare
510	FirstClass Protocol
511	PassGo
512	remote process execution;
512	comsat
512	biff - used by mail system to notify users
513	remote login a la telnet;
513	maintains data bases showing who's
514	cmd
514	syslog
515	printer - spooler
516	videotex
517	talk - like tenex link, but across

Port	Description
518	ntalk
519	unixtime
520	extended file name server
520	local routing process (on site);
521	ripng
522	ULP
523	IBM-DB2
524	NCP
525	timeserver
526	newdate
527	Stock IXChange
528	Customer IXChange
529	IRC-SERV
530	courier - rpc
531	conference - chat
532	netnews - readnews
533	netwall - for emergency broadcasts
534	MegaMedia Admin
535	iiop
536	opalis-rdv
537	Networked Media Streaming Protocol
538	gdomap
539	Apertus Technologies Load Determination
540	uucpd
541	uucp-rlogin
542	commerce
543	klogin
544	kshell - krcmd
545	appleqtcsrvr
546	DHCPv6 Client
547	DHCPv6 Server
548	AFP over TCP
549	IDFP
550	new-who
551	cybercash
552	deviceshare
553	pirp
554	rtsp - Real Time Stream Control Protocol
555	dsf
556	rfs server
557	openvms-sysipc
558	SDNSKMP
559	TEEDTAP
560	rmonitord
561	monitor
562	chcmd
563	nntp protocol over TLS/SSL (was snntp)
564	plan 9 file service
565	whoami
566	streettalk
567	banyan-rpc
568	microsoft shuttle
569	microsoft rome
570	demon
571	udemon
572	sonar

Port	Description
573	banyan-vip
574	FTP Software Agent System
575	VEMMI
576	ipcd
577	vnas
578	ipdd
579	decbsrv
580	SNTP HEARTBEAT
581	Bundle Discovery Protocol
582	SCC Security
583	Philips Video-Conferencing
584	Key Server
585	IMAP4+SSL (use 993 instead)
586	Password Change
587	Submission
588	CAL
589	EyeLink
590	TNS CML
591	FileMaker, Inc. - HTTP Alternate (see Port 80)
592	Eudora Set
593	HTTP RPC Ep Map
594	TPIP
595	CAB Protocol
596	SMSD
597	PTC Name Service
598	SCO Web Server Manager 3
599	acp - Aeolon Core Protocol
600	Sun IPC server
601	Reliable Syslog Service
602-605	Unassigned
606	Cray Unified Resource Manager
607	nqs
608	Sender-Initiated/Unsolicited File Transfer
609	npmp-trap
610	npmp-local
611	npmp-gui
612	HMMP Indication
613	HMMP Operation
614	SSLshell
615	Internet Configuration Manager
616	SCO System Administration Server
617	SCO Desktop Administration Server
618	DEI-ICDA
619	Compaq EVM
620	SCO WebServer Manager
621	ESCP
622	Collaborator
623	Aux Bus Shunt
624	Crypto Admin
625	DEC DLM
626	ASIA
627	PassGo Tivoli
628	QMOP
629	3Com AMP3
630	RDA

Well Known Port Numbers – Continued

Port	Description
631	IPP (Internet Printing Protocol)
632	bmpp
633	Service Status update (Sterling Software)
634	ginad
635	RLZ DBase
636	ldap protocol over TLS/SSL (was sldap)
637	lanserver
638	mcns-sec
639	MSDP
640	entrust-sps
641	repemd
642	ESRO-EMSDP V1.3
643	SANity
644	dwr
645	PSSC
646	LDP
647	DHCP Failover
648	Registry Registrar Protocol (RRP)
649	Aminet
650	OBEX
651	IEEE MMS
652	HELLO_PORT
653	RepCmd
654	AODV
655	TINC
656	SPMP
657	RMC
658	TenFold
659	De-Registered (2001 June 06)
660	MacOS Server Admin
661	HAP
662	PFTP
663	PureNoise
664	Secure Aux Bus
665	Sun DR
666	mdqs
666	doom Id Software
667	campaign contribution disclosures - SDR Technologies
668	MeComm
669	MeRegister
670	VACDSM-SWS
671	VACDSM-APP
672	VPPS-QUA
673	CIMPLEX

Port	Description
674	ACAP
675	DCTP
676	VPPS Via
677	Virtual Presence Protocol
678	GNU Generation Foundation NCP
679	MRM
680	entrust-aaas
681	entrust-aams
682	XFR
683	CORBA IIOP
684	CORBA IIOP SSL
685	MDC Port Mapper
686	Hardware Control Protocol Wismar
687	asipregistry
688	REALM-RUSD
689	NMAP
690	VATP
691	MS Exchange Routing
692	Hyperwave-ISP
693	connendp
694	ha-cluster
695	IEEE-MMS-SSL
696	RUSHD
697	UIDGVN
698	OLSR
699	Access Network
700-703	Unassigned
704	errlog copy/server daemon
705	AgentX
706	SILC
707	Borland DSJ
708	Unassigned
709	Entrust Key Management Service Handler
710	Entrust Administration Service Handler
711	Cisco TDP
712-728	Unassigned
729	IBM NetView DM/6000 Server/Client
730	IBM NetView DM/6000 send/tcp
731	IBM NetView DM/6000 receive/tcp
732-740	Unassigned
741	netGW
742	Network based Rev. Cont. Sys.
743	Unassigned
744	Flexible License Manager
745-746	Unassigned

Port	Description
747	Fujitsu Device Control
748	Russell Info Sci Calendar Manager
749	kerberos administration
750	rfile
750	loadav
750	kerberos version iv
751	pump
752	qrh
753	rrh
754	tell - send
755-756	Unassigned
758	nlogin
759	con
760	ns
761	rxr
762	quotad
763	cycleserv
764	omserv
765	webster
766	Unassigned
767	phone
768	Unassigned
769	vid
770	cadlock
771	rtp
772	cycleserv2
773	submit
773	notify
774	rpasswd
774	acmaint_dbd
775	entomb
775	acmaint_transd
776	wpages
777	Multiling HTTP
778-779	Unassigned
780	wpgs
781-785	Unassigned
786	Concert
787	QSC
788-799	Unassigned
800	mdbms_daemon
801	device
802-809	Unassigned
810	FCP
810	FCP Datagram

Port	Description
811-827	Unassigned
828	itm-mcell-s
829	PKIX-3 CA/RA
830-846	Unassigned
847	dhcp-failover 2
848-872	Unassigned
873	rsync
874-885	Unassigned
886	ICL coNETion locate server
887	ICL coNETion server info
888	AccessBuilder
888	cddbp - CD Database Protocol (unassigned but widespread use)
889-899	Unassigned
900	OMG Initial Refs
901	SMPNAMERES
902	IDEAFARM-CHAT
903	IDEAFARM-CATCH
904-910	Unassigned
911	xact-backup
912-988	Unassigned
989	ftps-data - ftp protocol, data, over TLS/SSL
990	ftps - ftp protocol, control, over TLS/SSL
991	nas - Netnews Administration System
992	telnet protocol over TLS/SSL
993	imap4 protocol over TLS/SSL
994	irc protocol over TLS/SSL
995	pop3 protocol over TLS/SSL (was spop3)
996	vsinet
997	maitrd
998	busboy
998	puparp
999	garcon
999	Applix ac
999	puprouter
1000	cadlock2
1001-1009	Unassigned
1008	Possibly used by Sun Solaris????
1010	surf
1011-1022	Reserved
1023	Reserved

Registered IP Ports (1024 – 49151)

Beyond the well known ports (1-1023), additional ports are managed by the IANA. These registered ports are primarily used by special protocols and applications. The ports may be requested by application or protocol owner, however, they are assigned by the IANA. Several unofficial ports listed here have become defacto by the Internet community. 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. To the extent possible, these same port assignments are used with the UDP [RFC768].

Port	Description
1024	- Reserved
1025	blackjack - network blackjack
1026-1029	# - Unassigned
1030	iad1 - BBN IAD
1031	iad2 - BBN IAD
1032	iad3 - BBN IAD
1033-1035	# - Unassigned
1036	peg-radar - RADAR Service Protocol
1037-1039	# - Unassigned
1040	netarx - Netarx
1041-1044	# - Unassigned
1045	fpitp - Fingerprint Image Transfer Protocol
1046	# - Unassigned
1047	neod1 - Sun's NEO Object Request Broker
1048	neod2 - Sun's NEO Object Request Broker
1049	td-postman - Tobit David Postman VPMN
1050	cma - CORBA Mgt Agent
1051	optima-vnet - Optima VNET
1052	ddt - Dynamic DNS Tools
1053	remote-as - Remote Assistant (RA)
1054	brvread - BRVREAD
1055	ansyslmd - ANSYS - Lic. Mgr
1056	vfo - VFO
1057	startron - STARTRON
1058	nim - nim
1059	nimreg - nimreg
1060	polestar - POLESTAR
1061	kiosk - KIOSK
1062	veracity - Veracity
1063	kyoceranetdev - KyoceraNetDev
1064	jstel - JSTEL
1065	syscomlan - SYSCOMLAN
1066	fpo-fns - FPO-FNS
1067	instl_boots - Installation Bootstrap Proto. Serv.
1068	instl_bootc - Installation Bootstrap Proto. Cli.
1069	cognex-insight - COGNEX-INSIGHT
1070	gmrupdateserv - GMRUpdateSERV
1071	bsquare-voip - BSQUARE-VOIP
1072	cardax - CARDAX
1073	bridgecontrol - BridgeControl
1074	fasttechnologlm - FASTTechnologies Lic. Mgr

Port	Description
1075	rdrmshc - RDRMSHC
1076	dab-sti-c - DAB STI-C
1077	imgames - IMGAMES
1078	emanagecstp - eManageCstp
1079	asprovatalk - ASPROVATalk
1080	socks - Socks
1082	amt-esd-prot - AMT-ESD-PROT
1083	ansoft-lm-1 - Anasoft Lic. Mgr
1084	ansoft-lm-2 - Anasoft Lic. Mgr
1085	webobjects - Web Objects
1086	cplscrambler-lg - CPL Scrambler Logging
1087	cplscrambler-in - CPL Scrambler Internal
1088	cplscrambler-al - CPL Scrambler Alarm Log
1089	ff-annunc - FF Annunciation
1090	ff-fms - FF Fibdubus Message Specification
1091	ff-sm - FF System Mgt
1092	obrpd - Open Business Reporting Protocol
1093	proofd - PROOFD
1094	rootd - ROOTD
1095	nicelink - NICELink
1096	cnrprotocol - Common Name Resolution Protocol
1097	sunclustermgr - Sun Cluster Mgr
1098	rmiaactivation - RMI Activation
1099	rmiregistry - RMI Registry
1100	mctp - MCTP
1101	pt2-discover - PT2-DISCOVER
1102	adobeserver-1 - ADOBE SERVER 1
1103	adobeserver-2 - ADOBE SERVER 2
1104	xrl - XRL
1105	ftranhc - FTRANHC
1106	isoipsigport-1 - ISOIPSIGPORT-1
1107	isoipsigport-2 - ISOIPSIGPORT-2
1108	ratio-adp - ratio-adp
1109	# - Reserved - IANA
1110	nfsd-keepalive - Client status info
1110	nfsd-status - Cluster status info
1111	lmsocialserver - LM Social Server
1112	icp - Intelligent Comm Protocol
1113	# - Unassigned
1114	mini-sql - Mini SQL
1115	ardus-trns - ARDUS Transfer
1116	ardus-ctrl - ARDUS Control
1117	ardus-mtrns - ARDUS Multicast Transfer

Port	Description
1118-1121	# - Unassigned
1122	availant-mgr - availant-mgr
1123	murray - Murray
1124-1154	# - Unassigned
1155	nfa - Network File Access
1156-1160	# - Unassigned
1161	health-polling - Health Polling
1162	health-trap - Health Trap
1163-1168	# - Unassigned
1169	tripwire - TRIPWIRE
1170-1179	# - Unassigned
1180	mc-client - Millicent Client Proxy
1181-1182	# - Unassigned
1183	llsurfup-http - LL Surfup HTTP
1184	llsurfup-https - LL Surfup HTTPS
1185	catchpole - Catchpole port
1186-1187	# - Unassigned
1188	hp-webadmin - HP Web Admin
1189-1198	# - Unassigned
1199	dmidi - DMIDI
1200	scol - SCOL
1201	nucleus-sand - Nucleus Sand
1202	caicipc - caicipc
1203	ssslc-mgr - Lic. Validation
1204	ssslg-mgr - Log Request Listener
1205	accord-mgc - Accord-MGC
1206	anthony-data - Anthony Data
1207	metasage - MetaSage
1208	seagull-ais - SEAGULL AIS
1209	ipcd3 - IPCD3
1210	eoss - EOSS
1211	groove-dpp - Groove DPP
1212	lupa - lupa
1213	mpe-lifenet - MPC LIFENET
1214	kazaa - KAZAA
1215	scanstat-1 - scanSTAT 1.0
1216	etebac5 - ETEBAC 5

Port	Description
1217	hpss-ndapi - HPSS-NDAPI
1218	aeroflight-ads - AeroFlight-ADs
1219	aeroflight-ret - AeroFlight-Ret
1220	qt-serveradmin - QT SERVER ADMIN
1221	sweetware-apps - SweetWARE Apps
1222	nerv - SNI R&D network
1223	tgp - TGP
1224	vpnz - VPNz
1225	slinkysearch - SLINKYSEARCH
1226	stgxfws - STGXFWS
1227	dns2go - DNS2Go
1228	florence - FLORENCE
1229	novell-zfs - Novell ZFS
1230	periscope - Periscope
1231	menandmice-lpm - menandmice-lpm
1232	# Microsoft - unofficially using 1232
1233	univ-appserver - Universal App Server
1234	search-agent - Infoseek Search Agent
1235	mosaicssvvc1 - mosaicssvvc1
1236	bvcontrol - bvcontrol
1237	tsdos390 - tsdos390
1238	hacl-qs - hacl-qs
1239	nmsd - NMSD
1240	instantia - Instantia
1241	nessus - nessus
1242	nmasoverip - NMAS over IP
1243	serialGtwy - SerialGtwy
1244	isbconference1 - isbconference1
1245	isbconference2 - isbconference2
1246	payrouter - payrouter
1247	visionpyramid - VisionPyramid
1248	hermes - hermes
1249	mesavistaco - Mesa Vista Co
1250	swldy-sias - swldy-sias
1251	servergraph - servergraph
1252	bspne-pcc - bspne-pcc
1253	q55-pcc - q55-pcc
1254	de-noc - de-noc
1255	de-cache-query - de-cache-query
1256	de-server - de-server
1257	shockwave2 - Shockwave 2
1258	opennl - Open Network Library
1259	opennl-voice - Open Network Library Voice
1260	ibm-ssd - ibm-ssd

Registered IP Port Numbers – Continued

Port	Description
1261	mpshrsrv - mpshrsrv
1262	qnts-orb - QNTS-ORB
1263	dka - dka
1264	prat - PRAT
1265	dssiapi - DSSIAPI
1266	dellpwrappks - DELLPWRAPPKS
1267	pcmlinux - pcmlinux
1268	propel-msgsys - PROPEL-MSGSYS
1269	watilapp - WATiLaPP
1270	opsman - opsman
1271	dabew - Dabew
1272	cspmlckmgr - CSPMLckMgr
1273	emc-Gtwy - EMC-Gtwy
1274	t1distproc - t1distproc
1275	ivcollector - ivcollector
1276	ivMgr - ivMgr
1277	miva-mqs - mqs
1278	dellwebadmin-1 - Dell Web Admin 1
1279	dellwebadmin-2 - Dell Web Admin 2
1280	pictography - Pictography
1281	healthd - healthd
1282	emperion - Emperion
1283	productinfo - ProductInfo
1284	iee-qfx - IEE-QFX
1285	neoiface - neoiface
1286	netuitive - netuitive
1287	# - Unassigned
1288	navbuddy - NavBuddy
1289	jwalkserver - JWalkServer
1290	winjaserver - WinJaServer
1291	seagulllms - SEAGULLLMS
1292	dsdn - dsdn
1293	pkt-krb-ipsec - PKT-KRB-IPSec
1294	cmmdriver - CMMdriver
1295	eetp - EETP
1296	dproxy - dproxy
1297	sdproxy - sdproxy
1298	lpcp - lpcp
1299	hp-sci - hp-sci
1300	h323hostcallsc - H323 Host Call Secure
1301	ci3-software-1 - CI3-Software-1
1302	ci3-software-2 - CI3-Software-2
1303	sftsrv - sftsrv
1304	boomerang - Boomerang
1305	pe-mike - pe-mike
1306	re-conn-proto - RE-Conn-Proto
1307	pacmand - Pacmand
1308	odsi - Optical Domain Service Interconnect
1309	jtag-server - JTAG server
1310	husky - Husky
1311	rxmon - RxMon

Port	Description
1312	sti-envision - STI Envision
1313	bmc_patrolb - BMC PATROLDB
1314	pdps - Photoscript Distributed Printing System
1315	els - E.L.S., Event Listener Service
1316	exbit-escp - Exbit-ESCP
1317	vrts-ipcserver - vrts-ipcserver
1318	krb5gatekeeper - krb5gatekeeper
1319	panja-icsp - Panja-ICSP
1320	panja-axbnet - Panja-AXBNET
1321	pip - PIP
1322	novation - Novation
1323	brcd - brcd
1324	delta-mcp - delta-mcp
1325	dx-instrument - DX-Instrument
1326	wimsic - WIMSIC
1327	ultrex - Ultrex
1328	ewall - EWALL
1329	netdb-export - netdb-export
1330	streetperfect - StreetPerfect
1331	intersan - intersan
1332	pcia-rxp-b - PCIA RXP-B
1333	passwd-policy - Password Policy
1334	writesrv - writesrv
1335	digital-notary - Digital Notary Protocol
1336	ischat - Instant Service Chat
1337	menandmice-dns - menandmice DNS
1338	wmc-log-svc - WMC-log-svr
1339	kjtsiteserver - kjtsiteserver
1340	naap - NAAP
1341	qubes - QuBES
1342	esbroker - ESBroker
1343	re101 - re101
1344	icap - ICAP
1345	vpjp - VPJP
1346	alta-ana-lm - Alta Analytics Lic. Mgr
1347	bbn-mmcc - multi media conferencing
1348	bbn-mmx - multi media conferencing
1349	sbook - Registration Network Protocol
1350	editbench - Registration Network Protocol
1351	equationbuilder - Digital Tool Works (MIT)
1352	lotusnote - Lotus Note
1353	relief - Relief Consulting
1354	rightbrain - RightBrain Software
1355	intuitive-edge - Intuitive Edge
1356	cuillamartin - CuillaMartin Company
1357	pegboard - Electronic PegBoard
1358	connccli - CONNLCLI
1359	ftsrv - FTSRV
1360	mimer - MIMER
1361	linx - LinX
1362	timeflies - TimeFlies

Port	Description
1363	ndm-requester - Network DataMover Req.
1364	ndm-server - Network DataMover Server
1365	adapt-sna - Network Software Associates
1366	netware-csp - NetWare Comm Service Platform
1367	dcs - DCS
1368	screencast - ScreenCast
1369	gv-us - GlobalView to Unix Shell
1370	us-gv - Unix Shell to GlobalView
1371	fc-cli - Fujitsu Config Protocol
1372	fc-ser - Fujitsu Config Protocol
1373	chromagrafx - Chromagrafx
1374	molly - EPI Software Systems
1375	bytex - Bytex
1376	ibm-pps - IBM Person to Person Software
1377	cichlid - Cichlid Lic. Mgr
1378	elan - Elan Lic. Mgr
1379	dbreporter - Integrity Solutions
1380	telesis-licman - Telesis Network Lic. Mgr
1381	apple-licman - Apple Network Lic. Mgr
1382	udt_os - udt_os
1383	gwha - GW Hannaway Network Lic. Mgr
1384	os-licman - Objective Solutions Lic. Mgr
1385	atex_elmd - Atex Publishing Lic. Mgr
1386	checksum - CheckSum Lic. Mgr
1387	cadsi-lm - Computer Aided Design Software Inc LM
1388	objective-dbc - Objective Solutions DataBase Cache
1389	iclpv-dm - Document Mgr
1390	iclpv-sc - Storage Controller
1391	iclpv-sas - Storage Access Server
1392	iclpv-pm - Print Mgr
1393	iclpv-nls - Network Log Server
1394	iclpv-nlc - Network Log Client
1395	iclpv-wsm - PC Workstation Mgr software
1396	dvl-activemail - DVL Active Mail
1397	audio-activmail - Audio Active Mail
1398	video-activmail - Video Active Mail
1399	cadkey-licman - Cadkey Lic. Mgr
1400	cadkey-tablet - Cadkey Tablet Daemon
1401	goldleaf-licman - Goldleaf Lic. Mgr
1402	prm-sm-np - Prospero Resource Mgr
1403	prm-nm-np - Prospero Resource Mgr
1404	igi-lm - Infinite Graphics Lic. Mgr
1405	ibm-res - IBM Remote Execution Starter
1406	netlabs-lm - NetLabs Lic. Mgr
1407	dbsa-lm - DBSA Lic. Mgr
1408	sophia-lm - Sophia Lic. Mgr
1409	here-lm - Here Lic. Mgr
1410	hiq - HiQ Lic. Mgr

Port	Description
1411	af - AudioFile
1412	innosys - InnoSys
1413	innosys-acl - Innosys-ACL
1414	ibm-mqseries - IBM MQSeries
1415	dbstar - DBStar
1416	novell-lu6.2 - Novell LU6.2
1417	timbuktu-srv1 - Timbuktu Service 1 Port
1418	timbuktu-srv2 - Timbuktu Service 2 Port
1419	timbuktu-srv3 - Timbuktu Service 3 Port
1420	timbuktu-srv4 - Timbuktu Service 4 Port
1421	gandalf-lm - Gandalf Lic. Mgr
1422	autodesk-lm - Autodesk Lic. Mgr
1423	essbase - Essbase Arbor Software
1424	hybrid - Hybrid Encryption Protocol
1425	zion-lm - Zion Software Lic. Mgr
1426	sais - Satellite-data Acquisition System 1
1427	mload - mload monitoring tool
1428	informatik-lm - Informatik Lic. Mgr
1429	nms - Hypercom NMS
1430	tpdu - Hypercom TPDU
1431	rgtp - Reverse Gossip Transport
1432	blueberry-lm - Blueberry Software Lic. Mgr
1433	ms-sql-s - Microsoft-SQL-Server
1434	ms-sql-m - Microsoft-SQL-Monitor
1435	ibm-cics - IBM CICS
1436	saism - Satellite-data Acquisition System 2
1437	tabula - Tabula
1438	eicon-server - Eicon Security Agent/Server
1439	eicon-x25 - Eicon X25/SNA Gtwy
1440	eicon-slp - Eicon Service Location Protocol
1441	cadis-1 - Cadis Lic. Mgt
1442	cadis-2 - Cadis Lic. Mgt
1443	ies-lm - Integrated Engineering Software
1444	marcam-lm - Marcam Lic. Mgt
1445	proxima-lm - Proxima Lic. Mgr
1446	ora-lm - Optical Research Assoc Lic. Mgr
1447	apri-lm - Applied Parallel Research LM
1448	oc-lm - OpenConnect Lic. Mgr
1449	peport - Peport
1450	dwf - Tandem Distributed Workbench Facility
1451	infoman - IBM Information Mgt
1452	gtegsc-lm - GTE Gov. Systems Lic. Man
1453	genie-lm - Genie Lic. Mgr
1454	interhdl_elmd - interHDL Lic. Mgr
1455	esl-lm - ESL Lic. Mgr
1456	dca - DCA
1457	valisys-lm - Valisys Lic. Mgr
1458	ncrbq-lm - Nichols Research Corp.
1459	proshare1 - Proshare Notebook Appl
1460	proshare2 - Proshare Notebook Appl
1461	ibm_wrlless_lan - IBM Wireless LAN

Registered IP Port Numbers – Continued

Port	Description
1462	world-lm - World Lic. Mgr
1463	nucleus - Nucleus
1464	mssl_lmd - MSL Lic. Mgr
1465	pipes - Pipes Platform
1465	pipes - Pipes Platform mfarlin@peerlogic.com
1466	oceansoft-lm - Ocean Software Lic. Mgr
1467	csdmbase - CSDMBASE
1468	csdm - CSDM
1469	aal-lm - Active Analysis Limited Lic. Mgr
1470	uaiact - Universal Analytics
1471	csdmbase - csdmbase
1472	csdm - csdm
1473	openmath - OpenMath
1474	telefinder - Telefinder
1475	taligent-lm - Taligent Lic. Mgr
1476	clvm-cfg - clvm-cfg
1477	ms-sna-server - ms-sna-server
1478	ms-sna-base - ms-sna-base
1479	dberegister - dberegister
1480	pacforum - PacerForum
1481	airs - AIRS
1482	mitexsys-lm - Miteksys Lic. Mgr
1483	afs - AFS Lic. Mgr
1484	confluent - Confluent Lic. Mgr
1485	lansource - LANSource
1486	nms topo serv - nms topo serv
1487	localinfosrvr - LocalInfoSrvr
1488	docstor - DocStor
1489	dmdocbroker - dmdocbroker
1490	insitu-conf - insitu-conf
1491	anynetGtwy - anynetGtwy
1492	stone-design-1 - stone-design-1
1493	netmap_lm - netmap_lm
1494	ica - ica
1495	cvc - cvc
1496	liberty-lm - liberty-lm
1497	rfx-lm - rfx-lm
1498	sybase-sqlany - Sybase SQL Any
1499	fhc - Federico Heinz Consultora
1500	vlsi-lm - VLSI Lic. Mgr
1501	saism - Satellite-data Acquisition System 3
1502	shivadiscovery - Shiva
1503	imtc-mcs - Databeam
1504	evb-elm - EVB Software Engineering Lic. Mgr
1505	funkproxy - Funk Software, Inc.
1506	utcd - Universal Time daemon (utcd)
1507	symplex - symplex
1508	diagmond - diagmond
1509	robcad-lm - Robcad, Ltd. Lic. Mgr

Port	Description
1510	mvx-lm - Midland Valley Exploration Ltd. Lic. Man.
1511	3l-11 - 3l-11
1512	wins - Microsoft's Windows Internet Name Service
1513	fujitsu-dtc - Fujitsu Systems Business of America, Inc
1514	fujitsu-dtens - Fujitsu Systems Business of America, Inc
1515	ifor-protocol - ifor-protocol
1516	vpad - Virtual Places Audio data
1517	vpac - Virtual Places Audio control
1518	vpvd - Virtual Places Video data
1519	vpvc - Virtual Places Video control
1520	atm-zip-office - atm zip office
1521	ncube-lm - nCube Lic. Mgr
1522	ricardo-lm - Ricardo North America Lic. Mgr
1523	cichild-lm - cichild
1524	ingreslock - ingres
1525	orasrv - oracle
1525	prospero-np - Prospero Dir Service non-priv
1526	pdap-np - Prospero Data Access Prot non-priv
1527	tlisrv - oracle
1528	mcautoreg - micautoreg
1529	coauthor - oracle
1530	rap-service - rap-service
1531	rap-listen - rap-listen
1532	miroconnect - miroconnect
1533	virtual-places - Virtual Places Software
1534	micromuse-lm - micromuse-lm
1535	ampr-info - ampr-info
1536	ampr-inter - ampr-inter
1537	sdsc-lm - isi-lm
1538	3ds-lm - 3ds-lm
1539	intellistor-lm - Intellistor Lic. Mgr
1540	rds - rds
1541	rds2 - rds2
1542	gridgen-elmd - gridgen-elmd
1543	simba-cs - simba-cs
1544	aspeclmd - aspeclmd
1545	vistium-share - vistium-share
1546	abbaccuray - abbaccuray
1547	laplink - laplink
1548	axon-lm - Axon Lic. Mgr
1549	shivahose - Shiva Hose
1549	shivasound - Shiva Sound
1550	3m-image-lm - Image Storage Lic. Mgr
1551	hecmtl-db - HECMTL-DB
1552	pciarray - pciarray
1553	sna-cs - sna-cs
1554	caci-lm - CACI Products Company Lic. Mgr

Port	Description
1555	livelan - livelan
1556	ashwin - AshWin CI Technologies
1557	arbor-text-lm - ArborText Lic. Mgr
1558	xingmpeg - xingmpeg
1559	web2host - web2host
1560	ascii-val - ascii-val
1561	facilityview - facilityview
1562	pconnectmgr - pconnectmgr
1563	cadabra-lm - Cadabra Lic. Mgr
1564	pay-per-view - Pay-Per-View
1565	winddb - WinDD
1566	corelvideo - CORELVIDEO
1567	jlicelmd - jlicelmd
1568	tsspmap - tsspmap
1569	ets - ets
1570	orbixd - orbixd
1571	rdb-dbs-disp - Oracle Remote Data Base
1572	chip-lm - Chipcom Lic. Mgr
1573	itscomm-ns - itscomm-ns
1574	mvel-lm - mvel-lm
1575	oraclenames - oraclenames
1576	moldflow-lm - moldflow-lm
1577	hypercube-lm - hypercube-lm
1578	jacobus-lm - Jacobus Lic. Mgr
1579	ioc-sea-lm - ioc-sea-lm
1580	tn-tl-r1 - tn-tl-r1
1580	tn-tl-r2 - tn-tl-r2
1581	mil-2045-47001 - MIL-2045-47001
1582	msims - MSIMS
1583	simbaexpress - simbaexpress
1584	tn-tl-fd2 - tn-tl-fd2
1585	intv - intv
1586	ibm-abtact - ibm-abtact
1587	pra_elmd - pra_elmd
1588	triquet-lm - triquet-lm
1589	vqp - VQP
1590	geminil - gemini-lm
1591	ncpm-pm - ncpm-pm
1592	commonsplace - commonspace
1593	mainsoft-lm - mainsoft-lm
1594	sixtrak - sixtrak
1595	radio - radio
1596	radio-bc - radio-bc
1596	radio-sm - radio-sm
1597	orbplus-iop - orbplus-iop
1598	picknfs - picknfs
1599	simbaservices - simbaservices
1600	issd -
1601	aas - aas
1602	inspect - inspect
1603	picodbc - pickodbc

Port	Description
1604	icabrowser - icabrowser
1605	slp - Salutation Mgr (Salutation Protocol)
1606	slm-api - Salutation Mgr (SLM-API)
1607	stt - stt
1608	smart-lm - Smart Corp. Lic. Mgr
1609	isysg-lm - isysg-lm
1610	taurus-wh - taurus-wh
1611	ill - Inter Library Loan
1612	netbill-trans - NetBill Transaction Server
1613	netbill-keyrep - NetBill Key Repository
1614	netbill-cred - NetBill Credential Server
1615	netbill-auth - NetBill Authorization Server
1616	netbill-prod - NetBill Product Server
1617	nimrod-agent - Nimrod Inter-Agent Comm
1618	skynetnet - skynetnet
1619	xs-openstorage - xs-openstorage
1620	faxportwinport - faxportwinport
1621	softdataphone - softdataphone
1622	ontime - ontime
1623	jaleosnd - jaleosnd
1624	udp-sr-port - udp-sr-port
1625	svs-omagent - svb-omagent
1626	shockwave - Shockwave
1627	t128-Gtwy - T.128 Gtwy
1628	lontalk-norm - LonTalk normal
1629	lontalk-urgnt - LonTalk urgent
1630	oraclenet8cman - Oracle Net8 Cman
1631	visitview - Visit view
1632	pammratc - PAMMRATC
1633	pammrpc - PAMMRPC
1634	loaprobe - Log On America Probe
1635	edb-server1 - EDB Server 1
1636	cncp - CableNet Control Protocol
1637	cnap - CableNet Admin Protocol
1638	cnip - CableNet Info Protocol
1639	cert-initiator - cert-initiator
1640	cert-responder - cert-responder
1641	invision - InVision
1642	isis-am - isis-am
1643	isis-ambc - isis-ambc
1644	saiseh - Satellite-data Acquisition System 4
1645	sightline - SightLine
1646	sa-msg-port - sa-msg-port
1647	rsap - rsap
1648	concurrent-lm - concurrent-lm
1649	kermi - kermi
1650	nkd - nkd
1650	nkd - nkdn
1651	shiva_confsrvr - shiva_confsrvr
1652	xnmp - xnmp
1653	alphatech-lm - alphatech-lm

Registered IP Port Numbers – Continued

Port	Description
1654	stargatealerts - stargatealerts
1655	dec-mbadmin - dec-mbadmin
1656	dec-mbadmin-h - dec-mbadmin-h
1657	fujitsu-mmpdc - fujitsu-mmpdc
1658	sixnetudr - sixnetudr
1659	sg-lm - Silicon Grail Lic. Mgr
1660	skip-mc-gikreq - skip-mc-gikreq
1661	netview-aix-1 - netview-aix-1
1662	netview-aix-2 - netview-aix-2
1663	netview-aix-3 - netview-aix-3
1664	netview-aix-4 - netview-aix-4
1665	netview-aix-5 - netview-aix-5
1666	netview-aix-6 - netview-aix-6
1667	netview-aix-7 - netview-aix-7
1668	netview-aix-8 - netview-aix-8
1669	netview-aix-9 - netview-aix-9
1670	netview-aix-10 - netview-aix-10
1671	netview-aix-11 - netview-aix-11
1672	netview-aix-12 - netview-aix-12
1673	proshare-mc-1 - Intel Proshare Multicast
1674	proshare-mc-2 - Intel Proshare Multicast
1675	pdp - Pacific Data Products
1676	netcomm1 - netcomm1
1676	netcomm2 - netcomm2
1677	groupwise - groupwise
1678	prolink - prolink
1679	darcorp-lm - darcorp-lm
1680	microcom-sbp - microcom-sbp
1681	sd-elmd - sd-elmd
1682	lanyon-lantern - lanyon-lantern
1683	ncpm-hip - ncpm-hip
1684	snaresecure - SnareSecure
1685	n2nremote - n2nremote
1686	cvmon - cvmon
1687	nsjtp-ctrl - nsjtp-ctrl
1688	nsjtp-data - nsjtp-data
1689	firefox - firefox
1690	ng-umds - ng-umds
1691	empire-empuma - empire-empuma
1692	sstsys-lm - sstsys-lm
1693	rrirtr - rrirtr
1694	rrimwm - rrimwm
1695	rrilwm - rrilwm
1696	rrifmm - rrifmm
1697	rrisat - rrisat
1698	rsvp-encap-1 - RSVP-ENCAPSULATION-1
1699	rsvp-encap-2 - RSVP-ENCAPSULATION-2
1700	mvp-raft - mvp-raft
1701	l2f - l2f
1701	l2tp - l2tp
1702	deskshare - deskshare

Port	Description
1704	bcs-broker - bcs-broker
1705	slingshot - slingshot
1706	jetform - jetform
1707	vdmply - vdmply
1708	gat-lmd - gat-lmd
1709	centra - centra
1710	impera - impera
1711	pptconference - pptconference
1712	registrar - resource monitoring service
1713	conferencetalk - ConferenceTalk
1714	sesi-lm - sesi-lm
1715	houdini-lm - houdini-lm
1716	xmsg - xmsg
1717	fj-hdnet - fj-hdnet
1718	h323gatedisc - h323gatedisc
1719	h323gatestat - h323gatestat
1720	h323hostcall - h323hostcall
1721	caicci - caicci
1722	hks-lm - HKS Lic. Mgr
1723	pptp - pptp
1724	csbphonemaster - csbphonemaster
1725	iden-ralp - iden-ralp
1726	iberiagames - IBERIAGAMES
1727	winddx - winddx
1728	telindus - TELINDUS
1730	roketz - roketz
1731	msiccp - MSICCP
1732	proxim - proxim
1733	siipat - SIMS - SIIPAT Protocol for Alarm Transmission
1734	cambertx-lm - Camber Corporation Lic. Mgt
1735	privatechat - PrivateChat
1736	street-stream - street-stream
1737	ultimad - ultimad
1738	gamegen1 - GameGen1
1739	webaccess - webaccess
1740	encore - encore
1741	cisco-net-mgmt - cisco-net-mgmt
1742	3Com-nsd - 3Com-nsd
1743	cinegrfx-lm - Cinema Graphics Lic. Mgr
1744	ncpm-ft - ncpm-ft
1745	remote-winsoc - remote-winsoc
1746	ftapid-1 - ftapid-1
1747	ftapid-2 - ftapid-2
1748	oracle-em1 - oracle-em1
1749	aspen-services - aspen-services
1750	sslp - Simple Socket Library's PortMaster
1751	swiftnet - SwiftNet
1752	lofr-lm - Leap of Faith Research Lic. Mgr
1753	translogic-lm - Translogic Lic. Mgr
1754	oracle-em2 - oracle-em2

Port	Description
1755	ms-streaming - ms-streaming
1756	capfast-lmd - capfast-lmd
1757	cnhrp - cnhrp
1758	tftp-mcast - tftp-mcast
1759	spss-lm - SPSS Lic. Mgr
1760	www-ldap-gw - www-ldap-gw
1761	cft-0 - cft-0
1762	cft-1 - cft-1
1763	cft-2 - cft-2
1764	cft-3 - cft-3
1765	cft-4 - cft-4
1766	cft-5 - cft-5
1767	cft-6 - cft-6
1768	cft-7 - cft-7
1769	bmc-net-adm - bmc-net-adm
1770	bmc-net-svc - bmc-net-svc
1771	vaultbase - vaultbase
1772	essweb-gw - EssWeb Gtwy
1773	kmscontrol - KMSControl
1774	global-dtserv - global-dtserv
1775	# -
1776	femis - Federal Emergency Mgt Information System
1777	powerguardian - powerguardian
1778	prodigy-intrnet - prodigy-internet
1779	pharmasoft - pharmasoft
1780	dpkeyserv - dpkeyserv
1781	answersoft-lm - answersoft-lm
1782	hp-hcip - hp-hcip
1783	# - Decommissioned Port 04/14/00, ms
1784	finle-lm - Finle Lic. Mgr
1785	windlm - Wind River Systems Lic. Mgr
1786	funk-logger - funk-logger
1787	funk-Lic. - funk-Lic.
1788	psmond - psmond
1789	hello - hello
1790	nmstp - Narrative Media Streaming Protocol
1791	ea1 - EA1
1792	ibm-dt-2 - ibm-dt-2
1793	rsc-robot - rsc-robot
1794	cera-bcm - cera-bcm
1795	dpi-proxy - dpi-proxy
1796	vocaltec-admin - Vocaltec Server Admin
1797	uma - UMA
1798	etp - Event Transfer Protocol
1799	netrisk - NETRISK
1800	ansys-lm - ANSYS-Lic. Mgr
1801	msmq - Microsoft Message Que
1802	concomp1 - ConComp1
1803	hp-hcip-gwy - HP-HCIP-GWY
1804	enl - ENL

Port	Description
1805	enl-name - ENL-Name
1806	musiconline - Musiconline
1807	fhsp - Fujitsu Hot Standby Protocol
1808	oracle-vp2 - Oracle-VP2
1809	oracle-vp1 - Oracle-VP1
1810	jerand-lm - Jerand Lic. Mgr
1811	scientia-sdb - Scientia-SDB
1812	radius - RADIUS
1813	radius-acct - RADIUS Accounting
1814	tdp-suite - TDP Suite
1815	mmpft - MMPFT
1816	harp - HARP
1817	rkb-oscs - RKB-OSCS
1818	etftp - Enhanced Trivial File Transfer Protocol
1819	plato-lm - Plato Lic. Mgr
1820	mcagent - mcagent
1821	donnyworld - donnyworld
1822	es-elmd - es-elmd
1823	unisis-lm - Unisis Natural Language Lic. Mgr
1824	metrics-pas - metrics-pas
1825	direcpe-video - DirecPC Video
1826	ardt - ARDT
1827	asi - ASI
1828	itm-mcell-u - itm-mcell-u
1829	optika-emedial - Optika eMedia
1830	net8-cman - Oracle Net8 CMan Admin
1831	myrtle - Myrtle
1832	tht-treasure - ThoughtTreasure
1833	udpradio - udpradio
1834	ardusuni - ARDUS Unicast
1835	ardusmul - ARDUS Multicast
1836	ste-smc - ste-smc
1837	csoft1 - csoft1
1838	talnet - TALNET
1839	netopia-vo1 - netopia-vo1
1840	netopia-vo2 - netopia-vo2
1841	netopia-vo3 - netopia-vo3
1842	netopia-vo4 - netopia-vo4
1843	netopia-vo5 - netopia-vo5
1844	direcpe-dll - DirecPC-DLL
1845	altalink - altalink
1846	tunSTALL-pnc - TunSTALL PNC
1847	slp-notify - SLP Notification
1848	fjdocdist - fjdocdist
1849	alpha-sms - ALPHA-SMS
1850	gsi - GSI
1851	ctcd - ctcd
1852	virtual-time - Virtual Time
1853	vids-avtp - VIDS-AVTP
1854	buddy-draw - Buddy Draw
1855	fiorano-rtsv - Fiorano RtrSvc

Registered IP Port Numbers – Continued

Port	Description
1856	fiorano-msgsvc - Fiorano MsgSvc
1857	datacaptor - DataCaptor
1858	privateark - PrivateArk
1859	gammafetchsvr - Gamma Fetcher Server
1860	suncalar-svc - SunSCALAR Services
1861	lecroy-vicp - LeCroy VICP
1862	techra-server - techra-server
1863	msnp - MSNP
1864	paradym-31port - Paradym 31 Port
1865	entp - ENTP
1866	swrmi - swrmi
1867	udrive - UDRIVE
1868	vizablebrowser - VizableBrowser
1869	yestrader - YesTrader
1870	suncalar-dns - SunSCALAR DNS Service
1871	canocentral0 - Cano Central 0
1872	canocentral1 - Cano Central 1
1873	fjimpjps - Fjimpjps
1874	fjswapsnp - Fjswapsnp
1875	westell-stats - westell stats
1876	ewcappsvr - ewcappsvr
1877	hp-webqosdb - hp-webqosdb
1878	drmsmc - drmsmc
1879	nettgain-nms - NettGain NMS
1880	vsat-control - Gilat VSAT Control
1881	ibm-mqseries2 - IBM MQSeries
1882	ecsqdmn - ecsqdmn
1883	ibm-mqisdsp - IBM MQSeries SCADA
1884	idmaps - Internet Distance Map Svc
1885	vrtrapsrver - Veritas Trap Server
1886	leop - Leonardo over IP
1887	filex-lport - FileX Listening Port
1888	ncconfig - NC Config Port
1889	unify-adapter - Unify Web Adapter Service
1890	wilkenlistener - wilkenListener
1891	childkey-notif - ChildKey Notification
1892	childkey-ctrl - ChildKey Control
1893	elad - ELAD Protocol
1894	o2server-port - O2Server Port
1895	# Microsoft - unofficially using 1895
1896	b-novative-ls - b-novative Lic. server
1897	metaagent - MetaAgent
1898	cymtec-port - Cymtec secure Mgt
1899	mc2studios - MC2Studios
1900	ssdp - SSDP
1901	fjicl-tep-a - Fujitsu ICL Term Emulator Program A
1902	fjicl-tep-b - Fujitsu ICL Term Emulator Program B
1903	linkname - Local Link Name Resolution

Port	Description
1904	fjicl-tep-c - Fujitsu ICL Term Emulator Program C
1905	supg - Secure UP.Link Gtwy Protocol
1906	tpmd - TPortMapperReq
1907	intrastar - IntraSTAR
1908	dawn - Dawn
1909	global-wlink - Global World Link
1910	ultrabac - ultrabac
1911	mtp - Starlight Networks Multimedia Transport Protocol
1912	rhp-iibp - rhp-iibp
1913	armadp - armadp
1914	elm-momentum - Elm-Momentum
1915	facelink - FACELINK
1916	persona - Persoft Persona
1917	noagent - nOAgent
1918	can-nds - Candle Dir Service - NDS
1919	can-dch - Candle Dir Service - DCH
1920	can-ferret - Candle Dir Service - FERRET
1921	noadmin - NoAdmin
1922	tapestry - Tapestry
1923	spice - SPICE
1924	xiip - XIIP
1925	discovery-port - Surrogate Discovery Port
1926	egs - Evolution Game Server
1927	videte-cipc - Videte CIPC Port
1928	emsd-port - Expnd Maui Srvr Dscovr
1929	bandwiz-system - Bandwiz System - Server
1930	driveappserver - Drive AppServer
1931	amdsched - AMD SCHED
1932	ctt-broker - CTT Broker
1933	xmapi - IBM LM MT Agent
1934	xaapi - IBM LM Appl Agent
1935	tincan - TinCan
1936	jetcmeserver - JetCmeServer Server Port
1937	jwserver - JetVWay Server Port
1938	juclient - JetVWay Client Port
1939	jvserver - JetVision Server Port
1940	jvclient - JetVision Client Port
1941	dic-aida - DIC-Aida
1942	res - Real Enterprise Service
1943	beeyond-media - Beeyond Media
1944	close-combat - close-combat
1945	dialogic-elmd - dialogic-elmd
1946	tekpls - tekpls
1947	hlserver - hlserver
1948	eye2eye - eye2eye
1949	ismaeasdaqlive - ISMA Easdaq Live
1950	ismaeasdaqtest - ISMA Easdaq Test
1951	bcs-lmserver - bcs-lmserver
1952	mpnjsc - mpnjsc

Port	Description
1953	rapidbase - Rapid Base
1954	abr-basic - ABR-Basic Data
1955	abr-secure - ABR-Secure Data
1956	vrtl-vmf-ds - Vertel VMF DS
1957	unix-status - unix-status
1958	dxadmin - CA Admin Daemon
1959	simp-all - SIMP Channel
1960	nasMgr - Merit DAC NASMgr
1961	bts-appserver - BTS APPSERVER
1962	biap-mp - BIAP-MP
1963	webmachine - WebMachine
1964	solid-e-engine - SOLID E ENGINE
1965	tivoli-npm - Tivoli NPM
1966	slush - Slush
1967	sns-quote - SNS Quote
1968	lipsinc - LIPSinc
1969	lipsinc1 - LIPSinc 1
1970	netop-rc - NetOp Remote Control
1971	netop-school - NetOp School
1972	intersys-cache - Cache
1973	dlsrap - Data Link Switching Remote Access Protocol
1974	drp - DRP
1975	tcoflashagent - TCO Flash Agent
1976	tcoregagent - TCO Reg Agent
1977	tcobook - TCO Address Book
1978	unysql - UniSQL
1979	unysql-java - UniSQL Java
1980	pearldoc-xact - PearlDoc XACT
1981	p2pq - p2pQ
1982	estamp - Evidentiary Timestamp
1983	lhpt - Loophole Test Protocol
1984	bb - BB
1985	hsrp - Hot Standby Router Protocol
1986	Lic.daemon - cisco Lic. Mgt
1987	tr-rsrp-p1 - cisco RSRB Priority 1 port
1988	tr-rsrp-p2 - cisco RSRB Priority 2 port
1989	mshnet - MHSnet system (unassigned but widespread use)
1989	tr-rsrp-p3 - cisco RSRB Priority 3 port
1990	stun-p1 - cisco STUN Priority 1 port
1991	stun-p2 - cisco STUN Priority 2 port
1992	ipendmsg - IPendmsg (unassigned but widespread use)
1992	stun-p3 - cisco STUN Priority 3 port
1993	snmp-tcp-port - cisco SNMP TCP port
1994	stun-port - cisco serial tunnel port
1995	perf-port - cisco perf port
1996	tr-rsrp-port - cisco Remote SRB port
1997	gdp-port - cisco Gtwy Discovery Protocol
1998	x25-svc-port - cisco X.25 service (XOT)

Port	Description
1999	tcp-id-port - cisco identification port
2000	callbook -
2001	dc -
2001	wizard - curry
2002	globe -
2004	emce - CCWS mm conf
2004	mailbox -
2005	berknet -
2005	oracle -
2006	invokator -
2006	raid-cc - raid
2007	dectalk -
2007	raid-am -
2008	conf -
2008	Termdb -
2009	news -
2009	whosockami -
2010	pipe_server -
2010	search -
2011	raid-cc - raid
2011	servserv -
2012	raid-ac -
2012	ttyinfo -
2013	raid-am -
2013	raid-cd -
2014	raid-sf -
2014	troff -
2015	cypress -
2015	raid-cs -
2016	bootserver -
2017	bootclient -
2017	cypress-stat -
2018	rellpack -
2018	Termdb -
2019	about -
2019	whosockami -
2020	xinupageserver -
2021	servexec -
2021	xinuexpansion1 -
2022	down -
2022	xinuexpansion2 -
2023	xinuexpansion3 -
2024	xinuexpansion4 -
2025	ellpack -
2025	xribs -
2026	scrabble -
2027	shadowserver -
2028	submitserver -
2029	# - Unassigned
2030	device2 -
2031	# - Unassigned

Registered IP Port Numbers – Continued

Port	Description
2032	blackboard -
2033	glogger -
2034	scoremgr -
2035	imsl doc -
2036	# - Unassigned
2037	p2plus - P2plus Appl Server
2038	objectMgr -
2039	# - Unassigned
2040	lam -
2041	interbase -
2042	isis - isis
2043	isis-bcast - isis-bcast
2044	rimsl -
2045	cdfunc -
2046	sdfunc -
2047	dls -
2048	dls-monitor -
2049	nfs - Network File System - Sun Microsystems
2049	shilp -
2050	av-emb-config - Avaya EMB Config Port
2051	epnsdp - EPNSDP
2052	clearvisn - clearVisn Services Port
2053	lot105-ds-upd - Lot105 DSuper Updates
2054	weblogin - Weblogin Port
2055	iop - Iliad-Odyssey Protocol
2056	omnisky - OmniSky Port
2057	rich-cp - Rich Content Protocol
2058	newwavesearch - NewWaveSearchables RMI
2059	bmc-messaging - BMC Messaging Service
2060	teleniumdaemon - Telenium Daemon IF
2061	netmount - NetMount
2062	icg-swp - ICG SWP Port
2063	icg-bridge - ICG Bridge Port
2064	icg-iprelay - ICG IP Relay Port
2065	dlsrpn - Data Link Switch Read Port Number
2066	# - Unassigned
2067	dlswrpn - Data Link Switch Write Port Number
2068	avauthsrprtcl - Avocent AuthSrv Protocol
2069	event-port - HTTP Event Port
2070	ah-esp-encap - AH and ESP Encapsulated in UDP packet
2071	acp-port - Axon Control Protocol
2072	msync - GlobeCast mSync
2073	gxs-data-port - DataReel Database Socket
2074	vrtil-vmf-sa - Vertel VMF SA
2075	newlixengine - Newlix ServerWare Engine
2076	newlixconfig - Newlix JSPConfig
2077	trellisagt - TrelliSoft Agent
2078	trellissvr - TrelliSoft Server
2079	idware-router - IDWARE Router Port
2080	autodesk-nlm - Autodesk NLM (FLEXlm)

Port	Description
2081	kme-trap-port - KME PRINTER TRAP PORT
2082	inflowave - Infowave Mobility Server
2082	inflowave - Infowave Mobiltiy Server
2083-2086	# - Unassigned
2087	eli - ELI - Event Logging Integration
2088	# - Unassigned
2089	sep - Security Encapsulation Protocol - SEP
2090	lrp - Load Report Protocol
2091	prp - PRP
2092	descent3 - Descent 3
2093	nbx-cc - NBX CC
2094	nbx-au - NBX AU
2095	nbx-ser - NBX SER
2096	nbx-dir - NBX DIR
2097	jetformpreview - Jet Form Preview
2098	dialog-port - Dialog Port
2099	h2250-annex-g - H.225.0 Annex G
2100	amiganetfs - amiganetfs
2101	rtcm-sc104 - rtcm-sc104
2102	zephyr-srv - Zephyr server
2103	zephyr-clt - Zephyr serv-hm connection
2104	zephyr-hm - Zephyr hostMgr
2105	minipay - MiniPay
2106	mzap - MZAP
2107	bintec-admin - BinTec Admin
2108	comcam - Comcam
2109	ergolight - Ergolight
2110	umsp - UMSP
2111	dsatp - DSATP
2112	idonix-metanet - Idonix MetaNet
2113	hsl-storm - HSL StoRM
2114	newheights - NEWHEIGHTS
2115	kdm - KDM
2116	ccowcmr - CCOWCMR
2117	mentaclient - MENTACLIENT
2118	mentaserver - MENTASERVER
2119	gsigatekeeper - GSIGATEKEEPER
2120	qenpc - Quick Eagle Networks CP
2121	scientia-ssdb - SCIENTIA-SSDB
2122	caupc-remote - CauPC Remote Control
2123	gtp-control - GTP-Control Plane (3GPP)
2124	elatelink - ELATELINK
2125	lockstep - LOCKSTEP
2126	pktcable-cops - PktCable-COPS
2127	index-pc-wb - INDEX-PC-WB
2128	net-steward - Net Steward Control
2129	cs-live - cs-live.com
2130	swc-xds - SWC-XDS
2131	avantageb2b - Avantageb2b
2132	avail-epmap - AVAIL-EPMAP

Port	Description
2133	zymed-zpp - ZYMED-ZPP
2134	avenue - AVENUE
2135	gris - Grid Resource Information Server
2136	appworxsrv - APPWORXSRV
2137	connect - CONNECT
2138	unbind-cluster - UNBIND-CLUSTER
2139	ias-auth - IAS-AUTH
2140	ias-reg - IAS-REG
2141	ias-admind - IAS-ADMIND
2142	tdm-over-ip - TDM-OVER-IP
2143	lv-jc - Live Vault Job Control
2144	lv-ffx - Live Vault Fast Object Transfer
2145	lv-pici - Live Vault Remote Diagnostic Console Support
2146	lv-not - Live Vault Admin Event Notification
2147	lv-auth - Live Vault Auth
2148	veritas-ucl - Veritas Universal Comm Layer
2149	acptsys - ACPTSYS
2150	dynamic3d - DYNAMIC3D
2151	docent - DOCENT
2152	gtp-user - GTP-User Plane (3GPP)
2153-2158	# - Unassigned
2159	gdbremote - GDB Remote Debug Port
2160	apc-cms - APC Central Mgmt Server
2161	apc-agent - APC Agent
2162	navisphere - Navisphere
2163	navisphere-sec - Navisphere Secure
2164	ddns-v3 - Dynamic DNS Version 3
2165	x-bone-api - X-Bone API
2166	iwserver - iwserver
2167	raw-serial - Raw Async Serial Link
2168-2179	# - Unassigned
2180	mc-gt-srv - Millicent Vendor Gtwy Server
2181	eforward - eforward
2200	ici - ICI
2201	ats - Advanced Training System Program
2202	imtc-map - Int. Multimedia Teleconferencing Consortium
2213	kali - Kali
2220	netiq - NetIQ End2End
2221	rockwell-csp1 - Rockwell CSP1
2222	rockwell-csp2 - Rockwell CSP2
2223	rockwell-csp3 - Rockwell CSP3
2232	ivs-video - IVS Video default
2233	infocrypt - INFOCRYPT
2234	directplay - DirectPlay
2235	sercomm-wlink - Sercomm-WLink
2236	nani - Nani
2237	optech-port1-lm - Optech Port1 Lic. Mgr

Port	Description
2238	aviva-sna - AVIVA SNA SERVER
2239	imagequery - Image Query
2240	recipe - RECIPE
2241	ivsd - IVS Daemon
2242	foliocorp - Folio Remote Server
2243	magicom - Magicom Protocol
2244	nmserver - NMS Server
2245	hao - HaO
2246	pc-mta-addrmap - PacketCable MTA Addr Map
2247	# - Unassigned
2248	ums - User Mgt Service
2249	rfmp - RISO File Mgr Protocol
2250	remote-collab - remote-collab
2251	dif-port - Distributed Framework Port
2252	njenet-ssl - NJENET using SSL
2253	dtv-chan-req - DTV Channel Request
2254	seispoc - Seismic P.O.C. Port
2255	vrtp - VRTP - ViRtue Transfer Protocol
2256-2259	# - Unassigned
2260	apc-pbeconsole - APC Console Comm Port
2261-2278	# - Unassigned
2279	xmquery - xmquery
2280	lnvpoller - LNPOLLER
2281	lnvconsole - LNVCONSOLE
2282	lnvalarm - LNVALARMS
2283	lnvstatus - LNVSTATUS
2284	lnvmaps - LNVMAPS
2285	lnvmailmon - LNVMAILMON
2286	nas-metering - NAS-Metering
2287	dna - DNA
2288	netml - NETML
2289-2293	# - Unassigned
2294	konshus-lm - Konshus Lic. Mgr (FLEX)
2295	advant-lm - Advant Lic. Mgr
2296	theta-lm - Theta Lic. Mgr (Rainbow)
2297	d2k-datamover1 - D2K DataMover 1
2298	d2k-datamover2 - D2K DataMover 2
2299	pc-telecommute - PC Telecommute
2300	cvmmom - CVMMON
2301	cpq-wbem - Compaq HTTP
2302	binderysupport - Bindery Support
2303	proxy-gtwy - Proxy Gtwy
2304	attachmate-uts - Attachmate UTS
2305	mt-scaleserver - MT ScaleServer
2306	tappi-boxnet - TAPPI BoxNet
2307	pehelp - pehelp
2308	sdhelp - sdhelp

Registered IP Port Numbers – Continued

Port	Description
2309	sdsrver - SD Server
2310	sdclient - SD Client
2311	messageservice - Message Service
2313	iapp - IAPP (Inter Access Point Protocol)
2314	cr-websystems - CR WebSystems
2315	precise-sft - Precise Sft.
2316	sent-lm - SENT Lic. Mgr
2317	attachmate-g32 - Attachmate G32
2318	cadencecontrol - Cadence Control
2319	infolibria - InfoLibria
2320	siebel-ns - Siebel NS
2321	rdlap - RDLAP
2322	ofsd - ofsd
2323	3d-nfsd - 3d-nfsd
2324	cosmocall - Cosmocall
2325	designspace-lm - Design Space Lic. Mgt
2326	idcp - IDCP
2327	xingcsm - xingcsm
2328	netrix-sftm - Netrix SFTM
2329	nvd - NVD
2330	tsechat - TSCCHAT
2331	agentview - AGENTVIEW
2332	rcc-host - RCC Host
2333	snapp - SNAPP
2334	ace-client - ACE Client Auth
2335	ace-proxy - ACE Proxy
2336	appleugcontrol - Apple UG Control
2337	ideesrv - ideesrv
2338	norton-lambert - Norton Lambert
2339	3com-webview - 3Com WebView
2340	wrs_registry - WRS Registry
2341	xiostatus - XIO Status
2342	manage-exec - Seagate Manage Exec
2343	nati-logos - nati logos
2344	fcmsys - fcmsys
2345	dbm - dbm
2346	redstorm_join - Game Connection Port
2347	redstorm_find - Game Announcement and Location
2348	redstorm_info - Information to query for game status
2349	redstorm_diag - Diagnostics Port
2350	psbserver - psbserver
2351	psrserver - psrserver
2352	pslserver - pslserver
2353	pspsrserver - pspsrserver
2354	psprserver - psprserver
2355	psdbserver - psdbserver
2356	gxtelmd - GXT Lic. Managemant
2357	unihub-server - UniHub Server
2358	futrix - Futrix

Port	Description
2359	flukeserver - FlukeServer
2360	nexstorindLtd - NexstorIndLtd
2361	tl1 - TL1
2362	digiman - digiman
2363	mediacntrlnfsd - Media Central NFSD
2364	oi-2000 - OI-2000
2365	dbref - dbref
2366	qip-login - qip-login
2367	service-ctrl - Service Control
2368	opentable - OpenTable
2369	acs2000-dsp - ACS2000 DSP
2370	##### Port 2370 - used by Compaq #####
2370	l3-hbmon - L3-HBMon
2371	worldwire - Compaq WorldWire Port
2372-2380	# - Unassigned
2381	compaq-https - Compaq HTTPS
2382	ms-olap3 - Microsoft OLAP
2383	ms-olap4 - Microsoft OLAP
2384	sd-capacity - SD-CAPACITY
2384	sd-request - SD-REQUEST
2385	sd-data - SD-DATA
2386	virtualtape - Virtual Tape
2387	vsamredirector - VSAM Redirector
2388	mynahautostart - MYNAH AutoStart
2389	ovsessionmgr - OpenView Session Mgr
2390	rsmtmp - RSMTP
2391	3com-net-mgmt - 3COM Net Mgt
2392	tacticalauth - Tactical Auth
2393	ms-olap1 - MS OLAP 1
2394	ms-olap2 - MS OLAP 2
2395	lan900_remote - LAN900 Remote
2396	wusage - Wusage
2397	ncl - NCL
2398	orbiter - Orbiter
2399	fmpro-fdal - FileMaker, Inc. - Data Access Layer
2400	opequus-server - OpEquus Server
2401	cvspserver - cvspserver
2402	taskmaster2000 - TaskMaster 2000 Server
2403	taskmaster2000 - TaskMaster 2000 Web
2404	iec870-5-104 - IEC870-5-104
2405	trc-netpoll - TRC Netpoll
2406	jediserver - JediServer
2407	orion - Orion
2408	optimanet - OptimaNet
2409	sns-protocol - SNS Protocol
2410	vrts-registry - VRTS Registry
2411	netwave-ap-mgmt - Netwave AP Mgt
2412	cdn - CDN
2413	orion-rmi-reg - orion-rmi-reg

Port	Description
2414	beeyond - Beeyond
2415	comtest - COMTEST
2416	rmtserver - RMT Server
2417	composit-server - Composit Server
2418	cas - cas
2419	attachmate-s2s - Attachmate S2S
2420	dslremote-mgmt - DSL Remote Mgt
2421	g-talk - G-Talk
2422	crmsbits - CRMSBITS
2423	rnrp - RNRP
2424	kofax-svr - KOFAX-SVR
2425	fjitsuappmgr - Fujitsu App Mgr
2426	applianttcp - Appliant TCP
2426	appliantudp - Appliant UDP
2427	mgcp-gtww - Media Gtww Control Protocol Gtww
2428	ott - One Way Trip Time
2429	ft-role - FT-ROLE
2430	venus - venus
2431	venus-se - venus-se
2432	codasrv - codasrv
2433	codasrv-se - codasrv-se
2434	pxc-epmap - pxc-epmap
2435	optilogic - OptiLogic
2436	topx - TOP/X
2437	unicontrol - UniControl
2438	mstp - MSP
2439	sybasedbsynch - SybaseDBSynch
2440	spearway - Spearway Lockers
2441	pvsww-inet - pvsww-inet
2442	netangel - Netangel
2443	powerclientsf - PowerClient Central Storage Facility
2444	btpp2sectrans - BT PP2 Sectrans
2445	dtm1 - DTN1
2446	bues_service - bues_service
2447	ovwdb - OpenView NNM daemon
2448	hpppsvr - hpppsvr
2449	ratl - RATL
2450	netadmin - netadmin
2451	netchat - netchat
2452	snifferclient - SnifferClient
2453	madge-om - madge-om
2454	indx-dds - IndX-DDS
2455	wago-io-system - WAGO-IO-SYSTEM
2456	altav-remmgt - altav-remmgt
2457	rapido-ip - Rapido IP
2458	griffin - griffin
2459	community - Community
2460	ms-theater - ms-theater
2461	qadmifoper - qadmifoper

Port	Description
2462	qadmifevent - qadmifevent
2463	symbios-raid - Symbios Raid
2464	direpc-si - DirePC SI
2465	lbn - Load Balance Mgt
2466	lbf - Load Balance Forwarding
2467	high-criteria - High Criteria
2468	qip-msgd - qip_msgd
2469	mti-tcs-comm - MTI-TCS-COMM
2470	taskman-port - taskman port
2471	seaodbc - SeaODBC
2472	c3 - C3
2473	aker-cdp - Aker-cdp
2474	vitalanalysis - Vital Analysis
2475	ace-server - ACE Server
2476	ace-svr-prop - ACE Server Propagation
2477	ssm-cvs - SecurSight Certificate Valifation Service
2478	ssm-cssps - SecurSight Auth Server (SSL)
2479	ssm-els - SecurSight Event Logging Server (SSL)
2480	lingwood - Lingwood's Detail
2481	giop - Oracle GIOP
2482	giop-ssl - Oracle GIOP SSL
2483	ttc - Oracle TTC
2484	ttc-ssl - Oracle TTC SSL
2485	netobjects1 - Net Objects1
2486	netobjects2 - Net Objects2
2487	pns - Policy Notice Service
2488	moy-corp - Moy Corporation
2489	tsilb - TSILB
2490	qip-qdhcp - qip_qdhcp
2491	conclave-cpp - Conclave CPP
2492	groove - GROOVE
2493	talarian-mqs - Talarian MQS
2494	bmc-ar - BMC AR
2495	fast-rem-serv - Fast Remote Services
2496	dirgis - DIRGIS
2497	quaddb - Quad DB
2498	odn-castraq - ODN-CasTraq
2499	unicontrol - UniControl
2500	rtsserv - Resource Tracking system server
2501	rtscient - Resource Tracking system client
2502	kentrox-prot - Kentrox Protocol
2503	nms-dpnss - NMS-DPNSS
2504	wlbs - WLBS
2505	torque-traffic - torque-traffic
2506	jbroker - jbroker
2507	spock - spock
2508	jdatastore - JDataStore
2509	fjmpss - fjmpss
2510	fjappmgrbulk - fjappmgrbulk

Registered IP Port Numbers – Continued

Port	Description
2511	metastorm - Metastorm
2512	citrixima - Citrix IMA
2513	citrixadmin - Citrix ADMIN
2514	facsys-ntp - Facsys NTP
2515	facsys-router - Facsys Router
2516	maincontrol - Main Control
2517	call-sig-trans - H.323 Annex E call signaling transport
2518	willy - Willy
2519	globmsgsvc - globmsgsvc
2520	pvs - pvs
2521	adaptecmgr - Adaptec Mgr
2522	windb - WinDb
2523	qke-llc-v3 - Qke LLC V.3
2524	optiwave-lm - Optiwave Lic. Mgt
2525	ms-v-worlds - MS V-Worlds
2526	ema-sent-lm - EMA Lic. Mgr
2527	iqserver - IQ Server
2528	ncr_ccl - NCR CCL
2529	utsftp - UTS FTP
2530	vrcommerce - VR Commerce
2531	ito-e-gui - ITO-E GUI
2532	ovtopmd - OVTOPMD
2533	snifferserver - SnifferServer
2534	combox-web-acc - Combox Web Access
2535	madcap - MADCAP
2536	btp2audctr1 - btp2audctr1
2537	upgrade - Upgrade Protocol
2538	vnwk-prapi - vnwk-prapi
2539	vsiadmin - VSI Admin
2540	lonworks - LonWorks
2541	lonworks2 - LonWorks2
2542	davinci - daVinci
2543	reftek - REFTEK
2544	novell-zen - Novell ZEN
2545	sis-emt - sis-emt
2546	vytalvaultbrtp - vyalvaultbrtp
2547	vytalvaultvsm - vyalvaultvsm
2548	vytalvaultpipe - vyalvaultpipe
2549	ipass - IPASS
2550	ads - ADS
2551	isg-uda-server - ISG UDA Server
2552	call-logging - Call Logging
2553	efidiningport - efdiningport
2554	vcnet-link-v10 - VCnet-Link v10
2555	compaq-wcp - Compaq WCP
2556	nicetec-nmsvc - nicetec-nmsvc
2557	nicetec-mgmt - nicetec-mgmt
2558	pclmultimedia - PCLE Multi Media
2559	lstp - LSTP
2560	labrat - labrat

Port	Description
2561	mosaixcc - MosaixCC
2562	delibo - Delibo
2563	cti-redwood - CTI Redwood
2564	hp-3000-telnet - HP 3000 NS/VT block mode telnet
2565	coord-svr - Coordinator Server
2566	pcs-pcw - pcs-pcw
2567	clp - Cisco Line Protocol
2568	spamtrap - SPAM TRAP
2569	sonuscallsig - Sonus Call Signal
2570	hs-port - HS Port
2571	ceesvc - CECSVC
2572	ibp - IBP
2573	trustestablish - Trust Establish
2574	blockade-bpsp - Blockade BPSP
2575	hl7 - HL7
2576	tclprodebugger - TCL Pro Debugger
2577	scripticslsvr - Scriptics Lsvr
2578	rvs-isdn-dcp - RVS ISDN DCP
2579	mpfoncl - mpfoncl
2580	tributary - Tributary
2581	argis-te - ARGIS TE
2582	argis-ds - ARGIS DS
2583	mon - MON
2584	cyaserv - cyaserv
2585	netx-server - NETX Server
2586	netx-agent - NETX Agent
2587	masc - MASC
2588	privilege - Privilege
2589	quartus-tcl - quartus tcl
2590	idotdist - idotdist
2591	maytagshuffle - Maytag Shuffle
2592	netrek - netrek
2593	mns-mail - MNS Mail Notice Service
2594	dts - Data Base Server
2595	worldfusion1 - World Fusion 1
2596	worldfusion2 - World Fusion 2
2597	homesteadglory - Homestead Glory
2598	citrixmaclient - Citrix MA Client
2599	meridiandata - Meridian Data
2600	hpstgmgr - HPSTGMGR
2601	discp-client - discp client
2602	discp-server - discp server
2603	servicemeter - Service Meter
2604	nsc-ccs - NSC CCS
2605	nsc-posa - NSC POSA
2606	netmon - Dell Netmon
2607	connection - Dell Connection
2608	wag-service - Wag Service
2609	system-monitor - System Monitor
2610	versa-tek - VersaTek

Port	Description
2611	lionhead - LIONHEAD
2612	qpasa-agent - Qpasa Agent
2613	smntubootstrap - SMNTUBootstrap
2614	neveroffline - Never Offline
2615	firepower - firepower
2616	appswitch-emp - appswitch-emp
2617	cmadmin - Clinical Context Mgrs
2618	priority-e-com - Priority E-Com
2619	bruce - bruce
2620	lpsrecommender - LPSRecommender
2621	miles-apart - Miles Apart Jukebox Server
2622	metricadbc - MetricaDBC
2623	lmdp - LMDP
2624	aria - Aria
2625	blwnkl-port - Blwnkl Port
2626	gbjd816 - gbjd816
2627	moshebeeri - Moshe Beeri
2628	dict - DICT
2629	sitaraserver - Sitara Server
2630	sitarangmt - Sitara Mgt
2631	sitaradir - Sitara Dir
2632	irdg-post - IRDg Post
2633	interintelli - InterIntelli
2634	pk-electronics - PK Electronics
2635	backburner - Back Burner
2636	solve - Solve
2637	imdocsvc - Import Document Service
2638	sybaseanywhere - Sybase Anywhere
2639	aminet - AMInet
2640	sai_sentlm - Sabbagh Associates Licence Mgr
2641	hdl-srv - HDL Server
2642	tragic - Tragic
2643	gte-samp - GTE-SAMP
2644	travsoft-ipx-t - Travsoft IPX Tunnel
2645	novell-ipx-cmd - Novell IPX CMD
2646	and-lm - AND Lic. Mgr
2647	syncserver - SyncServer
2648	upsnotifyprot - Upsnotifyprot
2649	vpsupport - VPSUPPORT
2650	eristwoguns - eristwoguns
2651	ebinsite - EBInSite
2652	interpathpanel - InterPathPanel
2653	sonus - Sonus
2654	corel_vncadmin - Corel VNC Admin
2655	unglue - UNIX Nt Glue
2656	kana - Kana
2657	sns-dispatcher - SNS Dispatcher
2658	sns-admin - SNS Admin
2659	sns-query - SNS Query
2660	gcmirror - GC Monitor
2661	olhost - OLHOST

Port	Description
2662	bintec-capi - BinTec-CAPI
2663	bintec-tapi - BinTec-TAPI
2664	patrol-mq-gm - Patrol for MQ GM
2665	patrol-mq-nm - Patrol for MQ NM
2666	extensis - extensis
2667	alarm-clock-s - Alarm Clock Server
2668	alarm-clock-c - Alarm Clock Client
2669	toad - TOAD
2670	tve-announce - TVE Announce
2671	newlixreg - newlixreg
2672	nhserver - nhserver
2673	firstcall42 - First Call 42
2674	ewnn - ewnn
2675	ttc-etap - TTC ETAP
2676	simlink - SIMSLink
2677	gadgetgate1way - Gadget Gate 1 Way
2678	gadgetgate2way - Gadget Gate 2 Way
2679	syncserverssl - Sync Server SSL
2680	pxc-sapxom - pxc-sapxom
2681	mpnjsomb - mpnjsomb
2682	srs - SRSP
2683	ncdloadbalance - NCDLoadBalance
2684	mpnjsosv - mpnjsosv
2685	mpnjsoc - mpnjsoc
2686	mpnjsomg - mpnjsomg
2687	pq-lic-mgmt - pq-lic-mgmt
2688	md-cg-http - md-cf-http
2689	fastlynx - FastLynx
2690	hp-nnm-data - HP NNM Embedded Database
2691	itinternet - ITInternet ISM Server
2692	admins-lms - Admins LMS
2693	belarc-http - belarc-http
2694	pwrsevent - pwrsevent
2695	vs - VSPREAD
2696	unifyadmin - Unify Admin
2697	oce-snmpt - Oce SNMP Trap Port
2698	mck-ivpip - MCK-IVPIP
2699	csoft-plusclnt - Csoft Plus Client
2700	tqdata - tqdata
2701	sms-rcinfo - SMS RCINFO
2702	sms-xfer - SMS XFER
2703	sms-chat - SMS CHAT
2704	sms-remctrl - SMS REMCTRL
2705	sds-admin - SDS Admin
2706	ncdmirroring - NCD Mirroring
2707	emcsymapiport - EMCSYMAPORT
2708	banyan-net - Banyan-Net
2709	supermon - Supermon
2710	sso-service - SSO Service
2711	sso-control - SSO Control
2712	aocp - Axapta Object Comm Protocol

Registered IP Port Numbers – Continued

Port	Description
2713	raven1 - Raven1
2714	raven2 - Raven2
2715	hpstgmgr2 - HPSTGMGR2
2716	inova-ip-disco - Inova IP Disco
2717	pn-requester - PN REQUESTER
2718	pn-requester2 - PN REQUESTER 2
2719	scan-change - Scan & Change
2720	wkars - wkars
2721	smart-diagnose - Smart Diagnose
2722	proactivesvr - Proactive Server
2723	watchdognt - WatchDog NT
2724	qotps - qotps
2725	msolap-ptp2 - MSOLAP PTP2
2726	tams - TAMS
2727	mgcp-callagent - Media Gtwy Control Protocol Call Agent
2728	sqdr - SQDR
2729	tcim-control - TCIM Control
2730	nec-raidplus - NEC RaidPlus
2731	fyre-messenger - Fyre Messagner
2731	fyre-messenger - Fyre Messenger
2732	g5m - G5M
2733	signet-ctf - Signet CTF
2734	ccs-software - CCS Software
2735	netiq-mc - NetIQ Monitor Console
2736	radwiz-nms-srv - RADWIZ NMS SRV
2737	srp-feedback - SRP Feedback
2738	ndl-tcp-osis-gw - NDL TCP-OSI Gtwy
2739	tn-timing - TN Timing
2740	alarm - Alarm
2741	tsb - TSB
2742	tsb2 - TSB2
2743	murx - murx
2744	honyaku - honiyaku
2745	urbisnet - URBISNET
2746	cpdupencap - CPUDPENCAP
2747	fjippol-swrly -
2748	fjippol-polsvr -
2749	fjippol-cnsl -
2750	fjippol-port1 -
2751	fjippol-port2 -
2752	rsisysaccess - RSISYS ACCESS
2753	de-spot - de-spot
2754	apollo-cc - APOLLO CC
2755	expresspay - Express Pay
2756	simplement-tie - simplement-tie
2757	cnrp - CNRP
2758	apollo-status - APOLLO Status
2759	apollo-gms - APOLLO GMS
2760	sabams - Saba MS
2761	dicom-iscl - DICOM ISCL

Port	Description
2762	dicom-tls - DICOM TLS
2763	desktop-dna - Desktop DNA
2764	data-insurance - Data Insurance
2765	qip-audup - qip-audup
2766	compaq-scp - Compaq SCP
2767	uadc - UADTC
2768	uacs - UACS
2769	singlept-mvs - Single Point MVS
2770	veronica - Veronica
2771	vergenecm - Vergence CM
2772	auris - auris
2773	pcbakup1 - PC Backup
2774	pcbakup2 - PC Backup
2775	smpp - SMPP
2776	ridgeway1 - Ridgeway Systems & Software
2777	ridgeway2 - Ridgeway Systems & Software
2778	gwen-sonya - Gwen-Sonya
2779	lbc-sync - LBC Sync
2780	lbc-control - LBC Control
2781	whosells - whosells
2782	everydayrc - everydayrc
2783	aises - AISES
2784	www-dev - world wide web - development
2785	aic-np - aic-np
2786	aic-oncrpc - aic-oncrpc - Destiny MCD database
2787	piccolo - piccolo - Cornerstone Software
2788	fryeserv - NetWare Loadable Module - Seagate Software
2789	media-agent - Media Agent
2790	plgproxy - PLG Proxy
2791	mtport-regist - MT Port Registrator
2792	f5-globalsite - f5-globalsite
2793	initlmsad - initlmsad
2794	aaftp - aaftp
2795	livestats - LiveStats
2796	ac-tech - ac-tech
2797	esp-encap - esp-encap
2798	tmesis-upshot - TMESIS-UPShot
2799	icon-discover - ICON Discover
2800	acc-raid - ACC RAID
2801	igcp - IGCP
2802	veritas-tcp1 - Veritas TCP1
2802	veritas-udp1 - Veritas UDP1
2803	btprjctrl - btprjctrl
2804	telexis-vtu - Telexis VTU
2805	wta-wsp-s - WTA WSP-S
2806	cspuni - cspuni
2807	cspmulti - cspmulti
2808	j-lan-p - J-LAN-P
2809	corbaloc - CORBA LOC

Port	Description
2810	netsteward - Active Net Steward
2811	gsiftp - GSI FTP
2812	atmtcp - atmtcp
2813	llm-pass - llm-pass
2814	llm-csv - llm-csv
2815	lbc-measure - LBC Measurement
2816	lbc-watchdog - LBC Watchdog
2817	nmsigport - NMSig Port
2818	rmlnk - rmlnk
2819	fc-faultnotify - FC Fault Notification
2820	univision - UniVision
2821	vml-dms - vml_dms
2822	ka0wuc - ka0wuc
2823	cqg-netlan - CQG Net/LAN
2824	cqg-netlan-1 - CQG Net/LAN 1
2825	# - (unassigned) Possibly assigned
2826	slc-systemlog - slc systemlog
2827	slc-ctrlrloops - slc ctrlrloops
2828	itm-lm - ITM Lic. Mgr
2829	silkp1 - silkp1
2830	silkp2 - silkp2
2831	silkp3 - silkp3
2832	silkp4 - silkp4
2833	glishd - glishd
2834	evtp - EVTP
2835	evtp-data - EVTP-DATA
2836	catalyst - catalyst
2837	repliweb - Repliweb
2838	starbot - Starbot
2839	nmsigport - NMSigPort
2840	l3-exprt - l3-exprt
2841	l3-ranger - l3-ranger
2842	l3-hawk - l3-hawk
2843	pdnet - PDnet
2844	bpcp-poll - BPCP POLL
2845	bpcp-trap - BPCP TRAP
2846	aimpp-hello - AIMPP Hello
2847	aimpp-port-req - AIMPP Port Req
2848	amt-blc-port - AMT-BLC-PORT
2849	fxp - FXP
2850	metaconsole - MetaConsole
2851	webemshhttp - webemshhttp
2852	bears-01 - bears-01
2853	ispipes - ISPPipes
2854	infomover - InfoMover
2856	cesdinv - cesdinv
2857	simctlp - SimCtlP
2858	ecnpp - ECNP
2859	activememory - Active Memory
2860	dialpad-voice1 - Dialpad Voice 1
2861	dialpad-voice2 - Dialpad Voice 2

Port	Description
2862	ttg-protocol - TTG Protocol
2863	sonarata - Sonar Data
2864	astromed-main - main 5001 cmd
2865	pit-vpn - pit-vpn
2866	iwlistener - iwlistener
2867	esps-portal - esps-portal
2868	npep-messaging - NPEP Messaging
2869	icslap - ICSLAP
2870	daishi - daishi
2871	msi-selectplay - MSI Select Play
2872	radix - RADIX
2873	paspar2-zoomin - PASPAR2 ZoomIn
2874	dxmessagebase1 - dxmessagebase1
2875	dxmessagebase2 - dxmessagebase2
2876	spstunnel - SPS Tunnel
2877	bluelance - BLUELANCE
2878	aap - AAP
2879	ucentric-ds - ucentric-ds
2880	synapse - synapse
2881	ndsp - NDSP
2882	ndtp - NDTP
2883	ndnp - NDNP
2884	flashmsg - Flash Msg
2885	topflow - TopFlow
2886	responselogic - RESPONSELOGIC
2887	aironetddp - aironet
2888	spcsdlobby - SPCSDLOBBY
2889	rsom - RSOM
2890	csplmulti - CSPCLMULTI
2891	cinegrfx-elmd - CINEGRFX-ELMD Lic. Mgr
2892	snifferdata - SNIFFERDATA
2893	vseconnector - VSECONNECTOR
2894	abacus-remote - ABACUS-REMOTE
2895	natuslink - NATUS LINK
2896	ecovisiong6-1 - ECOVISIONG6-1
2897	citrix-rtmp - Citrix RTMP
2898	appliance-cfg - APPLIANCE-CFG
2899	powergemplus - POWERGEMPLUS
2900	quicksuite - QUICKSUITE
2901	allstorcnscns - ALLSTORCNCS
2902	netaspi - NET ASPI
2903	suitcase - SUITCASE
2904	m2ua - M2UA
2905	m3ua - De-registered (2001 June 07)
2905	m3ua - M3UA
2906	caller9 - CALLER9
2907	webmethods-b2b - WEBMETHODS B2B
2908	mao - mao
2909	funk-dialout - Funk Dialout
2910	tdaccess - TDAccess
2911	blockade - Blockade

Registered IP Port Numbers – Continued

Port	Description
2912	epicon - Epicon
2913	boosterware - Booster Ware
2914	gamelobby - Game Lobby
2915	tksocket - TK Socket
2916	elvin_server - Elvin Server
2917	elvin_client - Elvin Client
2918	kastenchasepad - Kasten Chase Pad
2919	roboer - ROBOER
2920	roboeda - ROBOEDA
2921	cesdedman - CESD Contents Delivery Mgt
2922	cesdcdtrn - CESD Contents Delivery Data Transfer
2923	wta-wsp-wtp-s - WTA-WSP-WTP-S
2924	precise-vip - PRECISE-VIP
2925	# - Unassigned (FRP-Released 12/7/00)
2926	mobile-file-dl - MOBILE-FILE-DL
2927	unimobilectrl - UNIMOBILECTRL
2928	redstone-cpss - REDSTONE-CPSS
2929	panja-webadmin - PANJA-WEBADMIN
2930	panja-weblinx - PANJA-WEBLINX
2931	circle-x - Circle-X
2932	incp - INCP
2933	4-tieropmgw - 4-TIER OPM GW
2934	4-tieropmcli - 4-TIER OPM CLI
2935	qtp - QTP
2936	otpatch - OTPatch
2937	pnaconsult-lm - PNACONSULT-LM
2938	sm-pas-1 - SM-PAS-1
2939	sm-pas-2 - SM-PAS-2
2940	sm-pas-3 - SM-PAS-3
2941	sm-pas-4 - SM-PAS-4
2942	sm-pas-5 - SM-PAS-5
2943	ttntrepository - TTNRepository
2944	megaco-h248 - Megaco H-248
2945	h248-binary - H248 Binary
2946	fjsvmpor - FJSVmpor
2947	gpsd - GPSD
2948	wap-push - WAP PUSH
2949	wap-pushsecure - WAP PUSH SECURE
2950	esip - ESIP
2951	ottp - OTTP
2952	mpfwsas - MPFWSAS
2953	ovalarmsrv - OVALARMSRV
2954	ovalarmsrv-cmd - OVALARMSRV-CMD
2955	csnotify - CSNOTIFY
2956	ovrimosdbman - OVRIMOSDBMAN
2957	jmact5 - JAMCT5
2958	jmact6 - JAMCT6
2959	rmopagt - RMOPAGT
2960	dfoxserver - DFOXSERVER
2961	boldsoft-lm - BOLDSOFT-LM

Port	Description
2962	iph-policy-cli - IPH-POLICY-CLI
2963	iph-policy-adm - IPH-POLICY-ADM
2964	bullant-srap - BULLANT SRAP
2965	bullant-rap - BULLANT RAP
2966	idp-infotrieve - IDP-INFOTRIEVE
2967	ssc-agent - SSC-AGENT
2968	enpp - ENPP
2969	essp - ESSP
2970	index-net - INDEX-NET
2971	netclip - Net Clip
2972	pmsm-webrctl - PMSM Webrctl
2973	svnetworks - SV Networks
2974	signal - Signal
2975	fjmpcm - Fujitsu Configuration Mgt Service
2976	cns-srv-port - CNS Server Port
2977	ttc-etap-ns - TTCs Enterprise Test Access Protocol - NS
2978	ttc-etap-ds - TTCs Enterprise Test Access Protocol - DS
2979	h263-video - H.263 Video Streaming
2980	wimd - Instant Messaging Service
2981	mylxamport - MYLXAMPORT
2982	iwb-whiteboard - IWB-WHITEBOARD
2983	netplan - NETPLAN
2984	hpidsadmin - HPIDADMIN
2985	hpidsagent - HPIDSAGENT
2986	stonefalls - STONEFALLS
2987	identify - identify
2988	hippad - HIPPA Reporting Protocol
2989	zarkov - ZARKOV
2990	boscap - BOSCAP
2991	wkstn-mon - WKSTN-MON
2992	itb301 - ITB301
2993	veritas-vis1 - VERITAS VIS1
2994	veritas-vis2 - VERITAS VIS2
2995	idrs - IDRS
2996	vsixml - vsixml
2997	rebol - REBOL
2998	realsecure - Real Secure
2999	remoteware - RemoteWare Unassigned
3000	hbci - HBCI
3000	remoteware-cl - RemoteWare Client (unassigned but widespread use)
3001	redwood-broker - Redwood Broker
3002	exlm-agent - EXLM Agent
3002	remoteware-srv - RemoteWare Server (unassigned but widespread use)
3003	cgms - CGMS
3004	cssoftagent - Csoft Agent
3005	geniuslm - Genius Lic. Mgr
3006	ii-admin - Instant Internet Admin

Port	Description
3007	lotusmtap - Lotus Mail Tracking Agent Protocol
3008	midnight-tech - Midnight Technologies
3009	pxc-ntfy - PXC-NTFY
3010	gw - Telerate Workstation
3010	ping-pong - Telerate Workstation
3011	trusted-web - Trusted Web
3012	twds - Trusted Web Client
3013	gilatskysurfer - Gilat Sky Surfer
3014	broker_service - Broker Service
3015	nati-dstp - NATI DSTP
3016	notify_srvr - Notify Server
3017	event_listener - Event Listener
3018	srvc_registry - Service Registry
3019	resource_mgr - Resource Mgr
3020	cifs - CIFS
3021	agriserver - AGRI Server
3022	csregagent - CSREGAGENT
3023	magicnotes - magicnotes
3024	nds_sso - NDS SSO
3025	arepa-raft - Arepa Raft
3026	agri-gtwy - AGRI Gtwy
3027	LiebDevMgmt_C - LiebDevMgmt_C
3028	LiebDevMgmt_DM - LiebDevMgmt_DM
3029	LiebDevMgmt_A - LiebDevMgmt_A
3030	arepa-cas - Arepa Cas
3031	eppc - Remote AppleEvents/PPC Toolbox
3032	redwood-chat - Redwood Chat
3033	pdb - PDB
3034	osmosis-aeaa - Osmosis AEEA
3035	fjsv-gssagt - FJSV gssagt
3036	hagel-dump - Hagel DUMP
3037	hp-san-mgmt - HP SAN Mgmt
3038	santak-ups - Santak UPS
3039	cogitate - Cogitate, Inc.
3040	tomato-springs - Tomato Springs
3041	di-traceware - di-traceware
3042	journee - journee
3043	brp - BRP
3044	epp - EndPoint Protocol
3045	responsenet - ResponseNet
3046	di-ase - di-ase
3047	hlserver - Fast Security HL Server
3048	petrader - Sierra Net PC Trader
3049	nsws - NSWS
3050	gds_db - gds db
3051	galaxy-server - Galaxy Server
3052	apepcns - APCPCNS
3053	dsom-server - dsom-server
3054	amt-cnfr-prot - AMT CNF PROT
3055	policyserver - Policy Server

Port	Description
3056	cdl-server - CDL Server
3057	goahead-fldup - GoAhead FldUp
3058	videobeans - videobeans
3059	qsoft - qsoft
3060	interserver - interserver
3061	cautcpd - cautcpd
3062	ncacn-ip-tcp - ncacn-ip-tcp
3063	ncadg-ip-udp - ncadg-ip-udp
3064	rprrt - Remote Port Redirector
3065	slinterbase - slinterbase
3066	netattachsdmp - NETATTACHSDMP
3067	fjhpjip - FJHPJIP
3068	ls3bcast - ls3 Broadcast
3069	ls3 - ls3
3070	mgxswitch - MGXSWITCH
3071	csd-mgmt-port - Continuum Stor Mgr Port
3072	csd-monitor - Continuum Stor Monitor Port
3073	vcrp - Very simple chatroom prot
3074	xbox - Xbox game port
3075	orbix-locator - Orbix 2000 Locator
3076	orbix-config - Orbix 2000 Config
3077	orbix-loc-ssl - Orbix 2000 Locator SSL
3078	orbix-cfg-ssl - Orbix 2000 Locator SSL
3079	lv-frontpanel - LV Front Panel
3080	stm_pproc - stm_pproc
3081	tl1-lv - TL1-LV
3082	tl1-raw - TL1-RAW
3083	tl1-telnet - TL1-TELNET
3084	itm-mccs - ITM-MCCS
3085	pcihref - PCIHREQ
3086	jdl-dbkitchen - JDL-DBKitchen
3087	asoki-sma - Asoki SMA
3088	xntp - eXtensible Data Transfer Protocol
3089	ptk-alink - ParaTek Agent Linking
3090	rtss - Rappore Session Services
3091	lci-smcs - lCi Server Mgt
3092	njfs - Netware sync services
3093	rapidmq-center - Jiiva RapidMQ Center
3094	rapidmq-reg - Jiiva RapidMQ Registry
3095	panasas - Panasas rendezvous port
3096	ndl-aps - Active Print Server Port
3097	# - Reserved
3097	ituq2150-3-stc - ITU Q.2150.3 STC
3098	umm-port - Universal Message Mgr
3099	chmd - CHIPSY Machine Daemon
3100	opcon-xps - OpCon/xps
3101	hp-pxpib - HP PolicyXpert PIB Server
3102	slslavemon - SoftlinK Slave Mon Port
3103	autocuesmi - Autocue SMI Protocol
3104	autocuelog - Autocue Logger Protocol
3104	autocuetime - Autocue Time Service

Registered IP Port Numbers – Continued

Port	Description
3105	cardbox - Cardbox
3106	cardbox-http - Cardbox HTTP
3107	business - Business protocol
3108	geolocate - Geolocate protocol
3109	personnel - Personnel protocol
3110	sim-control - simulator control port
3111	wsynch - Web Synchronous Services
3112	ksysguard - KDE System Guard
3113	cs-auth-svr - CS-Authenticate Svr Port
3114	ccmad - CCM AutoDiscover
3115	mctet-master - MCTET Master
3116	mctet-gtwy - MCTET Gtwy
3117	mctet-jserv - MCTET Jserv
3118	pkagent - PKAgent
3119	d2000kernel - D2000 Kernel Port
3120	d2000webservice - D2000 Webserver Port
3121	epp-temp - Extensible Provisioning Protocol
3122	vtr-emulator - MTI VTR Emulator port
3123	edix - EDI Translation Protocol
3124	beacon-port - Beacon Port
3125	a13-an - A13-AN Interface
3126	ms-dotnetster - Microsoft .NETster Port
3127	ctx-bridge - CTX Bridge Port
3128	ndl-aas - Active API Server Port
3129	netport-id - NetPort Discovery Port
3130	icpv2 - ICPv2
3131	netbookmark - Net Book Mark
3132	ms-slipstream - MS-Slipstream
3133	prism-deploy - Prism Deploy User Port
3134	ecp - Extensible Code Protocol
3135	peerbook-port - PeerBook Port
3136	grubd - Grub Server Port
3137	rtnt-1 - rtnt-1 data packets
3138	rtnt-2 - rtnt-2 data packets
3139	incognitorv - Incognito Rendez-Vous
3140	ariliamulti - Arilia Multiplexor
3141	vmodem - VMODEM
3142	rdc-wh-eos - RDC WH EOS
3143	seaview - Sea View
3144	tarantella - Tarantella
3145	csi-lfap - CSI-LFAP
3146	bears-02 - bears-02
3147	rfio - RFIO
3148	nm-game-admin - NetMike Game Admin
3149	nm-game-server - NetMike Game Server
3150	nm-asses-admin - NetMike Assessor Admin
3151	nm-assessor - NetMike Assessor
3152	feitianrockey - FeiTian Port
3153	s8-client-port - S8Cargo Client Port
3154	ccmrmi - ON RMI Registry
3155	jpegmpeg - JpegMpeg Port

Port	Description
3156	indura - Indura Collector
3157	e3consultants - CCC Listener Port
3158	stvp - SmashTV Protocol
3159	navegaweb-port - NavegaWeb Tarification
3160	tip-app-server - TIP Appl Server
3161	doc1lm - DOC1 Lic. Mgr
3162	sflm - SFLM
3163	res-sap - RES-SAP
3164	imprs - IMPRS
3165	newgenpay - Newgenpay Engine Service
3166	qrepos - Quest Repository
3167	poweroncontact - poweroncontact
3168	poweronnud - poweronnud
3169	serverview-as - SERVERVIEW-AS
3170	serverview-asn - SERVERVIEW-ASN
3171	serverview-gf - SERVERVIEW-GF
3172	serverview-rm - SERVERVIEW-RM
3173	serverview-icc - SERVERVIEW-ICC
3174	armi-server - ARMI Server
3175	tl-e1-over-ip - TI E1 Over IP
3176	ars-master - ARS Master
3177	phonex-port - Phonex Protocol
3178	radclientport - Radiance UltraEdge Port
3179	h2gf-w-2m - H2GF W.2m Handover prot.
3180	mc-brk-srv - Millicent Broker Server
3181	bmcpatrolagent - BMC Patrol Agent
3182	bmcpatrolrmvu - BMC Patrol Rendezvous
3183	cops-tls - COPS/TLS
3184	apogeeX-port - ApogeeX Port
3185	smpppd - SuSE Meta PPPD
3186	iiw-port - IIW Monitor User Port
3187	odi-port - Open Design Listen Port
3188	brcm-comm-port - Broadcom Port
3189	pcele-infex - Pinnacle Sys InfEx Port
3190	csvr-proxy - ConServR Proxy
3191	csvr-sslproxy - ConServR SSL Proxy
3192	firemonrec - FireMon Revision Control
3193	cordataport - Cordaxis Data Port
3194	magbind - Rockstorm MAG protocol
3195	ncu-1 - Network Control Unit
3196	ncu-2 - Network Control Unit
3197	embrace-dp-s - Embrace Device Protocol Server
3198	embrace-dp-c - Embrace Device Protocol Client
3199	dmod-workspace - DMOD WorkSpace
3200	tick-port - Press-sense Tick Port
3201	cpq-tasksmart - CPQ-TaskSmart
3202	intraintra - IntraIntra
3203	netwatcher-mon - Network Watcher Monitor
3204	netwatcher-db - Network Watcher DB Access

Port	Description
3205	isns - iSNS Server Port
3206	ironmail - IronMail POP Proxy
3207	vx-auth-port - Veritas Auth Port
3208	pfu-prcallback - PFU PR Callback
3209	netwkpathengine - HP OpenView Network Path Engine Server
3210	flamenco-proxy - Flamenco Networks Proxy
3211	avsecuremgmt - Avocent Secure Mgt
3212	surveyinst - Survey Instrument
3213	neon24x7 - NEON 24X7 Mission Control
3214	jmj-daemon-1 - JMj Daemon Port 1
3215	jmj-daemon-2 - JMj Daemon Port 2
3216	ferrari-foam - Ferrari electronic FOAM
3217	unite - Unified IP & Telecomm Env
3218	smartpackets - EMC SmartPackets
3219	wms-messenger - WMS Messenger
3220	xnm-ssl - XML NM over SSL
3221	xnm-clear-text - XML NM over TCP
3222	glbp - Gtwy Load Balancing Pr
3223	digivote - DIGIVOTE (R) Vote-Server
3224	aes-discovery - AES Discovery Port
3225	fcip-port - FCIP
3226	isi-irp - ISI Industry Software IRP
3227	dwnmshttp - DiamondWave NMS Server
3228	dwmmsgserver - DiamondWave MSG Server
3229	global-cd-port - Global CD Port
3230	sftdst-port - Software Distributor Port
3231	dsnl - Delta Solutions Direct
3232	mdtp - MDT port
3233	whisker - WhiskerControl main port
3234	alchemy - Alchemy Server
3235	mdap-port - MDAP port
3236	apparenet-ts - appareNet Test Server
3237	apparenet-tps - appareNet Test Packet Sequencer
3238	apparenet-as - appareNet Analysis Server
3239	apparenet-ui - appareNet User Interface
3240	triomotion - Trio Motion Control Port
3241	sysorb - SysOrb Monitoring Server
3242	sdp-id-port - Session Description ID
3243	timelot - Timelot Port
3244	onesaf - OneSAF
3245	vieo-fe - VIEO Fabric Executive
3246	dvt-system - DVT SYSTEM PORT
3247	dvt-data - DVT DATA LINK
3248	procos-lm - PROCOS LM
3249	ssp - State Sync Protocol
3250	hicp - HMS hicp port
3251	syssscanner - Sys Scanner
3252	dhe - DHE port
3253	pda-data - PDA Data

Port	Description
3254	pda-sys - PDA System
3255	semaphore - Semaphore Connection Port
3256	cpqrpm-agent - Compaq RPM Agent Port
3257	cpqrpm-server - Compaq RPM Server Port
3258	ivecon-port - Ivecon Server Port
3259	epncdp2 - Epson Network Common Devi
3260	iscsi-target - iSCSI port
3261	winshadow - winShadow
3262	necp - NECP
3263	ecolor-imager - E-Color Enterprise Imager
3264	ccmail - cc:mail/lotus
3265	altav-tunnel - Altav Tunnel
3266	ns-cfg-server - NS CFG Server
3267	ibm-dial-out - IBM Dial Out
3268	msft-gc - Microsoft Global Catalog
3269	msft-gc-ssl - Microsoft Global Catalog with LDAP/SSL
3270	verismart - Verismart
3271	csoft-prev - CSoft Prev Port
3272	user-mgr - Fujitsu User Mgr
3273	sxmp - Simple Extensible Multiplexed Protocol
3274	ordinox-server - Ordinox Server
3275	samd - SAMD
3276	maxim-asics - Maxim ASICs
3277	awg-proxy - AWG Proxy
3278	lkemserver - LKCM Server
3279	admind - admin
3280	vs-server - VS Server
3281	sysopt - SYSOPT
3282	datusorb - Datusorb
3283	net-assistant - Net Assistant
3284	4talk - 4Talk
3285	plato - Plato
3286	e-net - E-Net
3287	directvdata - DIRECTVDATA
3288	cops - COPS
3289	enpc - ENPC
3290	caps-lm - CAPS LOGISTICS TOOLKIT - LM
3291	sah-lm - S A Holditch & Associates - LM
3292	cart-o-rama - Cart O Rama
3293	fg-fps - fg-fps
3294	fg-gip - fg-gip
3295	dyniplookup - Dynamic IP Lookup
3296	rib-slm - Rib Lic. Mgr
3297	cytel-lm - Cytel Lic. Mgr
3298	transview - Transview
3299	pdrncs - pdrncs
3300-	# - Unauthorized Use by SAP R/3
3301	
3302	mcs-fastmail - MCS Fastmail

Registered IP Port Numbers – Continued

Port	Description
3303	opsession-clnt - OP Session Client
3304	opsession-srvr - OP Session Server
3305	odette-ftp - ODETTE-FTP
3306	mysql - MySQL
3307	opsession-prxy - OP Session Proxy
3308	tns-server - TNS Server
3309	tns-adv - TNS ADV
3310	dyna-access - Dyna Access
3311	mcns-tel-ret - MCNS Tel Ret
3312	appman-server - Appl Mgt Server
3313	uorb - Unify Object Broker
3314	uohost - Unify Object Host
3315	cdid - CDID
3316	aicc-cmi - AICC/CMI
3317	vsaiport - VSAI PORT
3318	ssrip - Swith to Swith Routing Information Protocol
3319	sdt-lmd - SDT Lic. Mgr
3320	officelink2000 - Office Link 2000
3321	vnsstr - VNSSTR
3322-3325	active-net - Active Networks
3326	sftu - SFTU
3327	bbars - BBARS
3328	egptlm - Eaglepoint Lic. Mgr
3329	hp-device-disc - HP Device Disc
3330	mcs-calypsoicf - MCS Calypso ICF
3331	mcs-messaging - MCS Messaging
3332	mcs-mailsvr - MCS Mail Server
3333	dec-notes - DEC Notes
3334	directv-web - Direct TV Webcasting
3335	directv-soft - Direct TV Software Updates
3336	directv-tick - Direct TV Tickers
3337	directv-catlg - Direct TV Data Catalog
3338	anet-b - OMF data b
3339	anet-l - OMF data l
3340	anet-m - OMF data m
3341	anet-h - OMF data h
3342	webtie - WebTIE
3343	ms-cluster-net - MS Cluster Net
3344	bnt-Mgr - BNT Mgr
3345	influence - Influence
3346	trnsprntproxy - Trnsprnt Proxy
3347	phoenix-rpc - Phoenix RPC
3348	pangolin-laser - Pangolin Laser
3349	chevinservices - Chevin Services
3350	findviatv - FINDVIATV
3351	btrieve - BTRIEVE
3352	ssql - SSQL
3353	fatpipe - FATPIPE
3354	suitjd - SUITJD

Port	Description
3355	ordinox-dbase - Ordinox Dbase
3356	upnotifyps - UPNOTIFYPS
3357	adtech-test - Adtech Test IP
3358	mpsysrmsvr - Mp Sys Rmsvr
3359	wg-netforce - WG NetForce
3360	kv-server - KV Server
3361	kv-agent - KV Agent
3362	dj-ilm - DJ ILM
3363	nati-vi-server - NATI Vi Server
3364	creativeserver - Creative Server
3365	contentserver - Content Server
3366	creativepartnr - Creative Partner
3367-3371	satvid-datalnk - Satellite Video Data Link
3372	tip2 - TIP 2
3373	lavenir-lm - Lavenir Lic. Mgr
3374	cluster-disc - Cluster Disc
3375	vsnm-agent - VSNM Agent
3376	cdbroker - CD Broker
3377	cogsys-lm - Cogsys Network Lic. Mgr
3378	wsicopy - WSICOPY
3379	socorfs - SOCORFS
3380	sns-channels - SNS Channels
3381	geneous - Geneous
3382	fujitsu-neat - Fujitsu Network Enhanced Anti theft function
3383	esp-lm - Enterprise Software Products Lic. Mgr
3384	hp-clic - Cluster Mgt Services
3384	hp-clic - Hardware Mgt
3385	qnxnetman - qnxnetman
3386	gprs-data - GPRS Data
3386	gprs-sig - GPRS SIG
3387	backroomnet - Back Room Net
3388	cbserver - CB Server
3389	ms-wbt-server - MS WBT Server
3390	dsc - Distributed Service Coordinator
3391	savant - SAVANT
3392	efi-lm - EFI Lic. Mgt
3393	d2k-tapestry1 - D2K Tapestry Client to Server
3394	d2k-tapestry2 - D2K Tapestry Server to Server
3395	dyna-lm - Dyna Lic. Mgr (Elam)
3396	printer_agent - Printer Agent
3397	cloanto-lm - Cloanto Lic. Mgr
3398	mercantile - Mercantile
3399	csms - CSMS
3400	csms2 - CSMS2
3401	filecast - filecast
3402	fxaengine-net - FXa Engine Network Port
3403	copysnap - CopySnap Server Port
3404	igo-incognito - IGo Incognito Data Port

Port	Description
3405	nokia-ann-ch1 - Nokia Announcement ch 1
3406	nokia-ann-ch2 - Nokia Announcement ch 2
3407	ldap-admin - LDAP admin server port
3408	issapi - POWERpack API Port
3409	networklens - NetworkLens Event Port
3410	networklens - NetworkLens SSL Event
3411	biolink-auth - BioLink Authenteon
3412	xmlblaster - xmlBlaster
3413	svnet - SpecView Networking
3414	wip-port - BroadCloud WIP Port
3415	bcinameservice - BCI Name Service
3416	commandport - AirMobile IS Command Port
3417	csvr - ConServR file translation
3418	rnmap - Remote nmap
3419	softaudit - Isogon SoftAudit
3420	ifcp-port - iFCP User Port
3421	bmap - Bull Apprise portmapper
3422	rusb-sys-port - Remote USB System Port
3423	xtrm - xTrade Reliable Messaging
3424	xtrms - xTrade over TLS/SSL
3425	agps-port - AGPS Access Port
3426	arkivio - Arkivio Storage Protocol
3427	websphere-snmpp - WebSphere SNMP
3428	twcss - 2Wire CSS
3429	gcsp - GCSP user port
3430	ssdispatch - Scott Studios Dispatch
3431	ndl-als - Active Lic. Server Port
3432	osdcp - Secure Device Protocol
3433	alta-smp - Altaworks Service Mgt Platform
3434	opencm - OpenCM Server
3435	pacom - Pacom Security User Port
3436	bw-config - BurningWall ConfigSrv
3437	autocueds - Autocue Dir Service
3438	spiral-admin - Spiralcraft Admin
3439	hri-port - HRI Interface Port
3440	ans-console - Net Steward Mgmt Console
3441	connect-client - OC Connect Client
3442	connect-server - OC Connect Server
3443	ov-nnm-websrv - OpenView Network Node Mgr WEB Server
3444	denali-server - Denali Server
3445	monp - Media Object Network
3446	3comfaxrpc - 3Com FAX RPC port
3447	cddn - CompuDuo DirectNet
3448	dnc-port - Discovery and Net Config
3449	hotu-chat - HotU Chat
3450	castorproxy - CASTorProxy
3451	asam - ASAM Services
3452	sabp-signal - SABP-Signalling Protocol
3453	pscupd - PSC Update Port
3454	mira - Apple Remote Access Protocol

Port	Description
3455	prsvp - RSVP Port
3456	vat - VAT default data
3457	vat-control - VAT default control
3458	d3winosfi - D3WinOSFI
3459	integral - TIP Integral
3460	edm-Mgr - EDM Manger
3461	edm-stager - EDM Stager
3462	edm-std-notify - EDM STD Notify
3463	edm-adm-notify - EDM ADM Notify
3464	edm-mgr-sync - EDM MGR Sync
3465	edm-mgr-cntrl - EDM MGR Cntrl
3466	workflow - WORKFLOW
3467	rcst - RCST
3468	ttcmremotectl - TTCM Remote Controll
3469	pluribus - Pluribus
3470	jt400 - jt400
3471	jt400-ssl - jt400-ssl
3472	jaugsremotec-1 - JAUGS N-G Remotec 1
3473	jaugsremotec-2 - JAUGS N-G Remotec 2
3474	ttntspauto - TSP Automation
3475	genisar-port - Genisar Comm Port
3476	nppmp - NVIDIA Mgmt Protocol
3477	ecom - eComm link port
3478	nat-stun-port - Simple Traversal of UDP Through NAT (STUN) port
3479	twrpc - 2Wire RPC
3480	plethora - Secure Virtual Workspace
3481	cleanerliverc - CleanerLive remote ctrl
3482	vulture - Vulture Monitoring System
3483-3493	# - Unassigned
3494	ibm3494 - IBM 3494
3495	seclayer-tcp - securitylayer over tcp
3496	seclayer-tls - securitylayer over tls
3497-3499	# - Unassigned
3500	rtmp-port - RTMP Port
3501	isoft-p2p - iSoft-P2P
3502	avinstalldisc - Avocent Install Discovery
3503	lsp-ping - MPLS LSP-echo Port
3504	ironstorm - IronStorm game server
3505	ccmcomm - CCM Comms port
3506	apc-aem-status - APC Device Status Port
3507	nesh-broker - Nesh Broker Port
3508	interactionweb - Interaction Web
3509-3534	# - Unassigned
3535	ms-la - MS-LA
3536-3562	# - Unassigned
3563	watcomdebug - Watcom Debug

Registered IP Port Numbers – Continued

Port	Description
3564-3565	# - Unassigned
3564-3616	# - Unassigned
3566	qsintelligent - Quest Intelligent
3617	sharp-server - ATI SHARP Logic Engine
3618-3671	# - Unassigned
3672	lispworks-orb - LispWorks ORB
3673-3708	# - Unassigned
3709	ca-idms - CA-IDMS Server
3710-3736	# - Unassigned
3737	sphidia-port - Sphidia Game Port
3738-3801	# - Unassigned
3802	vhd - VHD
3803-3844	# - Unassigned
3845	v-one-spp - V-ONE Single Port Proxy
3846-3861	# - Unassigned
3862	giga-pocket - GIGA-POCKET
3863-3874	# - Unassigned
3875	pnbscada - PNBSkada
3876-3884	# - Unassigned
3885	topflow-ssl - TopFlow SSL
3886-3899	# - Unassigned
3900	udt_os - Unidata UDT OS
3901-3938	# - Unassigned
3939	aamp - Anti-virus Appl Mgt Port
3940-3983	# - Unassigned
3984	mapper-nodemgr - MAPPER network node Mgr
3985	mapper-mapethd - MAPPER TCP/IP server
3986	mapper-ws_ethd - MAPPER workstation server
3987	centerline - Centerline
3988-3999	# - Unassigned
4000	- Port 4000 also used by ICQ
4000	terabase - Terabase
4001	newoak - NewOak
4002	pxc-spvr-ft - pxc-spvr-ft
4003	pxc-splr-ft - pxc-splr-ft
4004	pxc-roid - pxc-roid
4005	pxc-pin - pxc-pin

Port	Description
4006	pxc-spvr - pxc-spvr
4007	pxc-splr - pxc-splr
4008	netcheque - NetCheque accounting
4009	chimera-hwm - Chimera HWM
4010	samsung-unidex - Samsung Unidex
4011	altserviceboot - Alternate Service Boot
4012	pda-gate - PDA Gate
4013	acl-Mgr - ACL Mgr
4014	taiclock - TAICLOCK
4015	talarian-mcast1 - Talarian Mcast
4016	talarian-mcast2 - Talarian Mcast
4017	talarian-mcast3 - Talarian Mcast
4018	talarian-mcast4 - Talarian Mcast
4019	talarian-mcast5 - Talarian Mcast
4020	trap - TRAP Port
4021	nexus-portal - Nexus Portal
4022	dnox - DNOX
4023	esnm-zoning - ESNM Zoning Port
4024	tnp1-port - TNPI User Port
4025	partimage - Partition Image Port
4026	as-debug - Graphical Debug Server
4027	bxp - bitxpress
4028	dtserver-port - DTServer Port
4029	ip-qsig - IP Q signaling protocol
4030	jdmn-port - Accell/JSP Daemon Port
4031	suucp - UUCP over SSL
4032	vrts-auth-port - VERITAS Authorize Server
4033	sanavigator - SANavigator Peer Port
4034	ubxd - Ubiquinox Daemon
4035	wap-push-http - WAP Push OTA-HTTP port
4036	wap-push-https - WAP Push OTA-HTTP secure
4037-4039	# - Unassigned
4040	yo-main - Yo.net main service
4041	houston - Rocketeer-Houston
4042	ldxp - LDXP
4043-4095	# - Unassigned
4096	bre - BRE (Bridge Relay Element)
4097	patrolview - Patrol View
4098	drmsfsd - drmsfsd
4099	dpcp - DPCP
4100-4131	# - Unassigned
4132	nuts_dem - NUTS Daemon
4133	nuts_bootp - NUTS Bootp Server
4134	nifty-hmi - NIFTY-Serve HMI protocol
4141	oirtgsvc - Workflow Server
4142	oidocsvc - Document Server
4143	oidsr - Document Replication

Port	Description
4144	# - Unassigned
4144	# Compuserve - unofficially is using port 4144
4145	vvr-control - VVR Control
4146-4159	# - Unassigned
4160	jini-discovery - Jini Discovery
4161-4198	# - Unassigned
4199	eims-admin - EIMS ADMIN
4200-4299	vrml-multi-use - VRML Multi User Systems
4300	corelccam - Corel Ccam
4301-4320	# - Unassigned
4321	rwhois - Remote Who Is
4343	unicall - UNICALL
4344	vinainstall - VinaInstall
4345	m4-network-as - Macro 4 Network AS
4346	elanlm - ELAN LM
4347	lansurveyor - LAN Surveyor
4348	itose - ITOSE
4349	fsportmap - File System Port Map
4350	net-device - Net Device
4351	plcy-net-svcs - PLCY Net Services
4352	# - Unassigned
4353	f5-iquery - F5 iQuery
4354	qsnet-trans - QSNet Transmitter
4355	qsnet-workst - QSNet Workstation
4356	qsnet-assist - QSNet Assistant
4357	qsnet-cond - QSNet Conductor
4358	qsnet-nucl - QSNet Nucleus
4359-4441	# - Unassigned
4442	saris - Saris
4443	pharos - Pharos
4444	krb524 - KRB524
4444	nv-video - NV Video default
4445	upnotifyp - UPNOTIFYP
4446	n1-fwp - N1-FWP
4447	n1-rmgmt - N1-RMGMT
4448	asc-slmd - ASC Licence Mgr
4449	privatewire - PrivateWire
4450	camp - Camp
4451	ctisystemmsg - CTI System Msg
4452	ctiprogramload - CTI Program Load
4453	nssalertmgr - NSS Alert Mgr
4454	nssagentmgr - NSS Agent Mgr
4455	prchat-user - PR Chat User
4456	prchat-server - PR Chat Server
4457	prRegister - PR Register
4458-4499	# - Unassigned

Port	Description
4500	ipsec-msft - Microsoft IPsec NAT-T
4502-4544	# - Unassigned
4545	worldscores - WorldScores
4546	sf-lm - SF Lic. Mgr (Sentinel)
4547	lanner-lm - Lanner Lic. Mgr
4548-4554	# - Unassigned
4555	rsip - RSIP Port
4556-4558	# - Unassigned
4559	hylafax - HylaFAX
4560-4566	# - Unassigned
4567	tram - TRAM
4568	bmc-reporting - BMC Reporting
4569-4599	# - Unassigned
4600	piranha1 - Piranha1
4601	piranha2 - Piranha2
4602-4659	# - Unassigned
4660	smacmgr - smacmgr
4661	kar2ouche - Kar2ouche Peer location service
4662-4671	# - Unassigned
4672	rfa - remote file access server
4673-4751	# - Unassigned
4752	snap - Simple Network Audio Protocol
4753-4799	# - Unassigned
4800	iims - Iona Instant Messaging System
4801	iwec - Iona Web Embedded Chat
4802	ilss - Iona Lic. System Server
4803-4826	# - Unassigned
4827	htcp - HTCP
4828-4836	# - Unassigned
4837	varadero-0 - Varadero-0
4838	varadero-1 - Varadero-1
4839	varadero-2 - Varadero-2
4840-4847	# - Unassigned
4848	appserv-http - App Server - Admin HTTP
4849	appserv-https - App Server - Admin HTTPS
4850-4867	# - Unassigned
4868	phrelay - Photon Relay
4869	phrelaydbg - Photon Relay Debug
4870-4884	# - Unassigned

Registered IP Port Numbers – Continued

Port	Description
4885	abbs - ABBS
4886-4893	# - Unassigned
4894	lyskom - LysKOM Protocol A
4895-4982	# - Unassigned
4983	att-intercom - AT&T Intercom
4984-4986	# - Unassigned
4987	smar-se-port1 - SMAR Ethernet Port 1
4988	smar-se-port2 - SMAR Ethernet Port 2
4989-4999	# - Unassigned
5000	complex-main -
5001	complex-link -
5002	rfe - radio free ethernet
5003	fmpro-internal - FileMaker, Inc. - Proprietary name binding
5003	fmpro-internal - FileMaker, Inc. - Proprietary transport
5004	avt-profile-1 - avt-profile-1
5005	avt-profile-2 - avt-profile-2
5006	wsm-server - wsm server
5007	wsm-server-ssl - wsm server ssl
5008	synopsis-edge - Synopsis EDGE
5009	# - Unassigned
5010	telepathstart - TelepathStart
5011	telepathattack - TelepathAttack
5012-5019	# - Unassigned
5020	zenginkyo-1 - zenginkyo-1
5021	zenginkyo-2 - zenginkyo-2
5022	mice - mice server
5023	htuilsrv - Htuil Server for PLD2
5024-5041	# - Unassigned
5042	asnaacceler8db - asnaacceler8db
5043-5049	# - Unassigned
5050	mmcc - multimedia conference control tool
5051	ita-agent - ITA Agent
5052	ita-Mgr - ITA Mgr
5053-5054	# - Unassigned
5055	unot - UNOT
5056	intecom-ps1 - Intecom PS 1
5057	intecom-ps2 - Intecom PS 2
5058-5059	# - Unassigned
5060	sip - SIP
5061	sip-tls - SIP-TLS

Port	Description
5062-5067	# - Unassigned
5062-5068	# - Unassigned
5066	stanag-5066 - Stanag-5066-Subnet-INTF
5069	i-net-2000-npr - I/Net 2000-NPR
5070	# - Unassigned
5071	powerschool - PowerSchool
5072-5080	# - Unassigned
5081	sdl-ets - SDL - Ent Trans Server
5082-5092	# - Unassigned
5093	sentinel-lm - Sentinel LM
5094-5098	# - Unassigned
5099	sentlm-srv2srv - SentLM Srv2Srv
5100	# - Unassigned
5101	talarian-tcp - Talarian TCP
5101	talarian-udp - Talarian UDP
5102-5144	# - Unassigned
5145	rmonitor_secure - RMONITOR SECURE
5146-5149	# - Unassigned
5150	atmp - Ascend Tunnel Mgt Protocol
5151	esri_sde - ESRI SDE Instance
5151	esri_sde - ESRI SDE Remote Start
5152	sde-discovery - ESRI SDE Instance Discovery
5153-5164	# - Unassigned
5165	ife_icorp - ife Icorp
5166-5189	# - Unassigned
5190	aol - America-Online
5191	aol-1 - AmericaOnline1
5192	aol-2 - AmericaOnline2
5193	aol-3 - AmericaOnline3
5194-5199	# - Unassigned
5200	targus-getdata - TARGUS GetData
5201	targus-getdata1 - TARGUS GetData 1
5202	targus-getdata2 - TARGUS GetData 2
5203	targus-getdata3 - TARGUS GetData 3
5204-5221	# - Unassigned
5222	jabber-client - Jabber Client Connection
5223-5224	# - Unassigned
5225	hp-server - HP Server
5226	hp-status - HP Status

Port	Description
5227-5235	# - Unassigned
5236	padl2sim -
5237-5249	# - Unassigned
5250	iGtwy - iGtwy
5251-5268	# - Unassigned
5269	jabber-server - Jabber Server Connection
5270-5271	# - Unassigned
5272	pk - PK
5273-5299	# - Unassigned
5300	hacl-hb - # HA cluster heartbeat
5301	hacl-gs - # HA cluster general services
5302	hacl-cfg - # HA cluster configuration
5303	hacl-probe - # HA cluster probing
5304	hacl-local -
5304	hacl-local - # HA Cluster Commands
5305	hacl-test -
5305	hacl-test - # HA Cluster Test
5306	sun-mc-grp - Sun MC Group
5307	sco-aip - SCO AIP
5308	cfengine - CFEngine
5309	jprinter - J Printer
5310	outlaws - Outlaws
5311	tmllogin - TM Login
5312-5313	# - Unassigned
5314	opalis-rbt-ipc - opalis-rbt-ipc
5315	hacl-poll - HA Cluster UDP Polling
5316-5352	# - Unassigned
5353	mdns - Multicast DNS
5354-5399	# - Unassigned
5400	excerpt - Excerpt Search
5401	excerpts - Excerpt Search Secure
5402	mftp - MFTP
5403	hpoms-ci-lstn - HPOMS-CI-LSTN
5404	hpoms-dps-lstn - HPOMS-DPS-LSTN
5405	netsupport - NetSupport
5406	systemics-sox - Systemics Sox
5407	foresyte-clear - Foresyte-Clear
5408	foresyte-sec - Foresyte-Sec
5409	salient-dtasrv - Salient Data Server
5410	salient-usrmgr - Salient User Mgr
5411	actnet - ActNet
5412	continuuus - Continuuus
5413	wwiotalk - WWIOTALK
5414	statusd - StatusD

Port	Description
5415	ns-server - NS Server
5416	sns-Gtwy - SNS Gtwy
5417	sns-agent - SNS Agent
5418	mcntp - MCNTP
5419	dj-ice - DJ-ICE
5420	cylink-c - Cylink-C
5421	netsupport2 - Net Support 2
5422	salient-mux - Salient MUX
5423	virtualuser - VIRTUALUSER
5424-5425	# - Unassigned
5426	devbasic - DEVBASIC
5427	sco-peer-tta - SCO-PEER-TTA
5428	telaconsole - TELACONSOLE
5429	base - Billing and Accounting System Exchange
5430	radec-corp - RADEC CORP
5431	park-agent - PARK AGENT
5432	postgresql - PostgreSQL Database
5433-5434	# - Unassigned
5435	dttl - Data Tunneling Transceiver Linking
5436-5453	# - Unassigned
5454	apc-tcp-udp-4 - apc-tcp-udp-4
5455	apc-tcp-udp-5 - apc-tcp-udp-5
5456	apc-tcp-udp-6 - apc-tcp-udp-6
5457-5460	# - Unassigned
5461	silkmeter - SILKMETER
5462	ttl-publisher - TTL Publisher
5463	ttlpriceproxy - TTL Price Proxy
5464	# - Unassigned
5465	netops-broker - NETOPS-BROKER
5466-5499	# - Unassigned
5500	fcp-addr-srvr1 - fcp-addr-srvr1
5501	fcp-addr-srvr2 - fcp-addr-srvr2
5502	fcp-srvr-inst1 - fcp-srvr-inst1
5503	fcp-srvr-inst2 - fcp-srvr-inst2
5504-5553	# - Unassigned
5504	fcp-cics-gw1 - fcp-cics-gw1
5554	sgi-esphhttp - SGI ESP HTTP
5555	# Port - used by HP Omniback
5555	personal-agent - Personal Agent
5556	# - Unassigned
5566	udpplus - UDPPPlus
5567-5598	# - Unassigned
5599	esinstall - Enterprise Security Remote Install

Registered IP Port Numbers – Continued

Port	Description
5600	esmMgr - Enterprise Security Mgr
5601	esmagent - Enterprise Security Agent
5602	a1-msc - A1-MSC
5603	a1-bs - A1-BS
5604	a3-sdunode - A3-SDUNode
5605	a4-sdunode - A4-SDUNode
5606-5630	# - Unassigned
5631	pcanywheredata - pcANYWHEREdata
5632	pcanywherestat - pcANYWHEREstat
5633-5672	# - Unassigned
5673	jms - JACL Message Server
5674	hyperscsi-port - HyperSCSI Port
5675	v5ua - V5UA Appl port
5676	raadmin - RA Admin
5677	questdb2-lnchr - Quest Central DB2 Launchr
5678	rrac - Remote Replication Agent Connection
5679	dccm - Direct Cable Connect Mgr
5680-5712	# - Unassigned
5713	proshareaudio - proshare conf audio
5714	prosharevideo - proshare conf video
5715	prosharedata - proshare conf data
5716	prosharerequest - proshare conf request
5717	prosharenotify - proshare conf notify
5718-5728	# - Unassigned
5729	openmail - Openmail User Agent Layer
5730	unieng - Steltor's calendar access
5731-5740	# - Unassigned
5741	ida-discover1 - IDA Discover Port 1
5742	ida-discover2 - IDA Discover Port 2
5743-5744	# - Unassigned
5745	fcopy-server - fcopy-server
5746	fcopys-server - fcopys-server
5769-5770	# - Unassigned
5771	netagent - NetAgent
5772-5812	# - Unassigned
5813	icmpd - ICMPD
5814-5858	# - Unassigned
5859	wherehoo - WHEREHOO
5860-5967	# - Unassigned
5968	mppolicy-v5 - mppolicy-v5
5969	mppolicy-mgr - mppolicy-mgr

Port	Description
5970-5986	# - Unassigned
5987	wbem-rmi - WBEM RMI
5988	wbem-http - WBEM HTTP
5989	wbem-https - WBEM HTTPS
5990	wbem-local - HP WBEM Local Connection
5991	nuxsl - NUXSL
5992-5998	# - Unassigned
5999	cvsup - CVSup
6000-6063	x11 - cp X Window System
6000-6063	x11 - dp X Window System
6064	ndl-ahp-svc - NDL-AHP-SVC
6065	winpharaoh - WinPharaoh
6066	ewctsp - EWCTSP
6067	srb - SRB
6068	gsmp - GSMP
6069	trip - TRIP
6070	messageasap - Messageasap
6071	ssdtp - SSDTP
6072	diagnose-proc - DIAGNOSE-PROC
6073	directplay8 - DirectPlay8
6074-6099	# - Unassigned
6100	synchronet-db - SynchroNet-db
6101	synchronet-rtc - SynchroNet-rtc
6102	synchronet-upd - SynchroNet-upd
6103	rets - RETS
6104	dbdb - DBDB
6105	primaserver - Prima Server
6106	mpsserver - MPS Server
6107	etc-control - ETC Control
6108	sercomm-scadmin - Sercomm-SCAdmin
6109	globecast-id - GLOBECAST-ID
6110	softem - HP SoftBench CM
6111	spc - HP SoftBench Sub-Process Control
6112	dtspcd - dtspcd
6113-6122	# - Unassigned
6123	backup-express - Backup Express
6124-6140	# - Unassigned
6141	meta-corp - Meta Corporation Lic. Mgr
6142	aspentec-lm - Aspen Technology Lic. Mgr
6143	watershed-lm - Watershed Lic. Mgr
6144	statsci1-lm - StatSci Lic. Mgr - 1
6145	statsci2-lm - StatSci Lic. Mgr - 2
6146	lonewolf-lm - Lone Wolf Systems Lic. Mgr
6147	montage-lm - Montage Lic. Mgr
6148	ricardo-lm - Ricardo North America Lic. Mgr

Port	Description
6149	tal-pod - tal-pod
6150-6252	# - Unassigned
6253	crip - CRIP
6254-6299	# - Unassigned
6300	bmc-grx - BMC GRX
6301-6320	# - Unassigned
6321	emp-server1 - Empress Software Connectivity Server 1
6322	emp-server2 - Empress Software Connectivity Server 2
6323-6345	# - Unassigned
6346	gnutella-svc - gnutella-svc
6347	gnutella-rtr - gnutella-rtr
6348-6381	# - Unassigned
6382	metatude-mds - Metatude Dialogue Server
6383-6388	# - Unassigned
6389	clariion-evr01 - clariion-evr01
6390-6399	# - Unassigned
6400-6410	Block in use by Seagate Software 6400-6410
6400	info-aps -
6401	info-was -
6402	info-eventsvr -
6403	info-cachesvr -
6404	info-filesvr -
6405	info-pagesvr -
6406	info-processvr -
6407	reserved1 -
6408	reserved2 -
6409	reserved3 -
6410	reserved4 -
6411-6454	# - Unassigned
6455	skip-cert-recv - SKIP Certificate Receive
6456	skip-cert-send - SKIP Certificate Send
6457-6470	# - Unassigned
6471	lvision-lm - LVision Lic. Mgr
6472-6499	# - Unassigned
6500	boks - BoKS Master
6501	boks_servc - BoKS Servc
6502	boks_servm - BoKS Servm
6503	boks_clntd - BoKS Clntd
6504	# - Unassigned

Port	Description
6505	badm_priv - BoKS Admin Private Port
6506	badm_pub - BoKS Admin Public Port
6507	bdir_priv - BoKS Dir Server, Private Port
6508	bdir_pub - BoKS Dir Server, Public Port
6509	mgcs-mfp-port - MGCS-MFP Port
6510	mcer-port - MCER Port
6511-6546	# - Unassigned
6547	apc-tcp-udp-1 - apc-tcp-udp-1
6548	apc-tcp-udp-2 - apc-tcp-udp-2
6549	apc-tcp-udp-3 - apc-tcp-udp-3
6550	fg-sysupdate - fg-sysupdate
6551-6557	# - Unassigned
6558	xdsxnm -
6559-6579	# - Unassigned
6580	parsec-master - Parsec Masterserver
6581	parsec-peer - Parsec Peer-to-Peer
6582	parsec-game - Parsec Gameserver
6583-6664	# - Unassigned
6665-6669	ircu - cp IRCU
6665-6669	ircu - dp IRCU
6670	vocaltec-gold - Vocaltec Global Online Dir
6671	# - Unassigned
6672	vision_server - vision_server
6673	vision_elmd - vision_elmd
6674-6700	# - Unassigned
6701	kti-icad-srvr - KTI/ICAD Nameserver
6702-6713	# - Unassigned
6714	ibprotocol - Internet Backplane Protocol
6715-6766	# - Unassigned
6767	bmc-perf-agent - BMC PERFORM AGENT
6768	bmc-perf-mgrd - BMC PERFORM MGRD
6769-6789	# - Unassigned
6790	hnmp - HNMP
6791-6830	# - Unassigned
6831	ambit-lm - ambit-lm
6832-6840	# - Unassigned
6841	netmo-default - Netmo Default
6842	netmo-http - Netmo HTTP
6843-6849	# - Unassigned

Registered IP Port Numbers – Continued

Port	Description
6850	iccrushmore - ICCRUSHMORE
6851-6887	# - Unassigned
6888	muse - MUSE
6889-6960	# - Unassigned
6961	jmact3 - JMACT3
6962	jmevt2 - jmevt2
6963	swismgr1 - swismgr1
6964	swismgr2 - swismgr2
6965	swistrap - swistrap
6966	swispol - swispol
6967-6968	# - Unassigned
6969	acmsoda - acmsoda
6970-6997	# - Unassigned
6998	iatp-highpri - IATP-highPri
6999	iatp-normalpri - IATP-normalPri
7000	afs3-fileserver - file server itself
7001	afs3-callback - callbacks to cache Mgrs
7002	afs3-prserver - users & groups database
7003	afs3-vlserver - volume location database
7004	afs3-kaserver - AFS/Kerberos Auth service
7005	afs3-volser - volume management server
7006	afs3-errors - error interpretation service
7007	afs3-bos - basic overseer process
7008	afs3-update - server-to-server updater
7009	afs3-rmtsys - remote cache Mgr service
7010	ups-onlinet - onlinet uninterruptable power supplies
7011	talon-disc - Talon Discovery Port
7012	talon-engine - Talon Engine
7013	microtalon-dis - Microtalon Discovery
7014	microtalon-com - Microtalon Comms
7015	talon-webserver - Talon Webserver
7016-7019	# - Unassigned
7020	dpserve - DP Serve
7021	dpserveadmin - DP Serve Admin
7022-7029	# - Unassigned
7030	op-probe - ObjectPlanet probe
7031-7069	# - Unassigned
7070	arcp - ARCP
7071-7098	# - Unassigned
7099	lazy-ptop - lazy-ptop
7100	font-service - X Font Service
7101-7120	# - Unassigned

Port	Description
7121	virprot-lm - Virtual Prototypes Lic. Mgr
7122-7173	# - Unassigned
7174	clutild - Clutild
7175-7199	# - Unassigned
7200	fodms - FODMS FLIP
7201	dlip - DLIP
7202-7279	# - Unassigned
7280	itactionsserver1 - ITACTIONSERVER 1
7281	itactionsserver2 - ITACTIONSERVER 2
7282-7299	# - Unassigned
7300-7390	swx - The Swiss Exchange
7391	mindfilesystem - mind-file system server
7392	mrssrendezvous - mrss-rendezvous server
7393-7394	# - Unassigned
7395	winqedit - winqedit
7396-7425	# - Unassigned
7426	pmdmgr - OpenView DM Postmaster Mgr
7427	oveadmgr - OpenView DM Event Agent Mgr
7428	ovladmgr - OpenView DM Log Agent Mgr
7429	opi-sock - OpenView DM rqt Comm
7430	xmpv7 - OpenView DM xmpv7 api pipe
7431	pmd - OpenView DM ovc/xmpv3 api pipe
7437	faximum - Faximum
7438-7490	# - Unassigned
7491	telops-lmd - telops-lmd
7492-7499	# - Unassigned
7500	# - Unassigned
7501	ovbus - HP OpenView Bus Daemon
7502-7509	# - Unassigned
7510	ovhpas - HP OpenView Appl Server
7511	pafec-lm - pafec-lm
7512-7543	# - Unassigned
7544	nta-ds - FlowAnalyzer DisplayServer
7545	nta-us - FlowAnalyzer UtilityServer
7546-7565	# - Unassigned
7566	vsi-omega - VSI Omega
7567-7569	# - Unassigned
7570	aries-kfinder - Aries Kfinder
7571-7587	# - Unassigned

Port	Description
7588	sun-lm - Sun Lic. Mgr
7589-7623	# - Unassigned
7624	indi - Instrument Neutral Distributed Interface
7625-7632	# - Unassigned
7633	pmdfmgmt - PMDF Mgt
7634-7673	# - Unassigned
7674	imqtunnels - iMQ SSL tunnel
7675	imqtunnel - iMQ Tunnel
7676	imqbrokerd - iMQ Broker Rendezvous
7677-7742	# - Unassigned
7743	sstp-1 - Sakura Script Transfer Protocol
7744-7776	# - Unassigned
7777	cbt - cbt
7778	interwise - Interwise
7779	vstat - VSTAT
7780	# - Unassigned
7781	accu-lmgr - accu-lmgr
7782-7785	# - Unassigned
7786	minivend - MINIVEND
7787-7844	# - Unassigned
7845	apc-snmptap - APC SNMP Trap Proxy
7846	apc-snmpp - APC SNMP Proxy
7847-7912	# - Unassigned
7913	qo-secure - QuickObjects secure port
7914-7931	# - Unassigned
7932	t2-drm - Tier 2 Data Resource Mgr
7933	t2-brm - Tier 2 Business Rules Mgr
7967	supercell - Supercell
7968-7978	# - Unassigned
7979	micromuse-ncps - Micromuse-ncps
7980	quest-vista - Quest Vista
7981-7998	# - Unassigned
7999	irdmi2 - iRDMI2
8000	irdmi - iRDMI
8001	vcom-tunnel - VCOM Tunnel
8002	teradataordbms - Teradata ORDBMS
8003-8007	# - Unassigned
8008	http-alt - HTTP Alternate
8009-8021	# - Unassigned

Port	Description
8022	oa-system - oa-system
8023-8031	# - Unassigned
8032	pro-ed - ProEd
8033	mindprint - MindPrint
8034-8079	# - Unassigned
8080	http-alt - HTTP Alternate (see port 80)
8081-8099	# - Unassigned
8100	xprint-server - Xprint Server
8101-8114	# - Unassigned
8115	mtl8000-matrix - MTL8000 Matrix
8116	cp-cluster - Check Point Clustering
8117-8129	# - Unassigned
8130	indigo-vrmi - INDIGO-VRMI
8131	indigo-vbcp - INDIGO-VBCP
8132	dbabble - dbabble
8133-8159	# - Unassigned
8160	patrol - Patrol
8161	patrol-snmpp - Patrol SNMP
8162-8198	# - Unassigned
8199	vvr-data - VVR DATA
8200	trivnet1 - TRIVNET
8201	trivnet2 - TRIVNET
8202-8203	# - Unassigned
8204	lm-perfworks - LM Perfworks
8205	lm-instmgr - LM Instmgr
8206	lm-dta - LM Dta
8207	lm-sserver - LM SServer
8208	lm-webwatcher - LM Webwatcher
8209-8350	# - Unassigned
8351	server-find - Server Find
8352-8375	# - Unassigned
8376	cruise-enum - Cruise ENUM
8377	cruise-swroute - Cruise SWROUTE
8378	cruise-config - Cruise CONFIG
8379	cruise-diags - Cruise DIAGS
8380	cruise-update - Cruise UPDATE
8381-8399	# - Unassigned
8400	cvd - cvd
8401	sabarsd - sabarsd
8402	abarsd - abarsd
8403	admind - admin

Registered IP Port Numbers – Continued

Port	Description
8404-8442	# - Unassigned
8443	pcsync-https - PCsync HTTPS
8444	pcsync-http - PCsync HTTP
8445-8449	# - Unassigned
8450	npmp - npmp
8451-8472	# - Unassigned
8473	vp2p - Virtual Point to Point
8474-8553	# - Unassigned
8554	rtsp-alt - RTSP Alternate (see port 554)
8555-8732	# - Unassigned
8733	ibus - iBus
8734-8762	# - Unassigned
8763	mc-appserver - MC-APPSERVER
8764	openqueue - OPENQUEUE
8765	ultraseek-http - Ultraseek HTTP
8766-8803	# - Unassigned
8804	truecm - truecm
8805-8879	# - Unassigned
8880	cddb-alt - CDDBP
8881-8887	# - Unassigned
8888	ddi-tcp-1 - NewsEDGE server TCP (TCP 1)
8888	ddi-udp-1 - NewsEDGE server UDP (UDP 1)
8889	ddi-tcp-2 - Desktop Data TCP 1
8889	ddi-udp-2 - NewsEDGE server broadcast
8890	ddi-tcp-3 - Desktop Data TCP 2
8890	ddi-udp-3 - NewsEDGE client broadcast
8891	ddi-tcp-4 - Desktop Data TCP 3: NESS Appl
8891	ddi-udp-4 - Desktop Data UDP 3: NESS Appl
8892	ddi-tcp-5 - Desktop Data TCP 4: FARM product
8892	ddi-udp-5 - Desktop Data UDP 4: FARM product
8893	ddi-tcp-6 - Desktop Data TCP 5: NewsEDGE/Web appl.
8893	ddi-udp-6 - Desktop Data UDP 5: NewsEDGE/Web appl.
8894	ddi-tcp-7 - Desktop Data TCP 6: COAL Appl
8894	ddi-udp-7 - Desktop Data UDP 6: COAL Appl
8895-8899	# - Unassigned
8900	jmb-cds1 - JMB-CDS 1
8901	jmb-cds2 - JMB-CDS 2
8902-8909	# - Unassigned

Port	Description
8910	manyone-http - manyone-http
8911	manyone-xml - manyone-xml
8912-8953	# - Unassigned
8954	cumulus-admin - Cumulus Admin Port
8955-8998	# - Unassigned
8999	bctp - Brodos Crypto Trade Protocol
9000	cslistener - CSlistener
9001	etlservicemgr - ETL Service Mgr
9002	dynamid - DynamID Auth
9003-9005	# - Unassigned
9006	# - De-Commissioned Port 02/24/00, ms
9007-9019	# - Unassigned
9020	tambora - TAMBORA
9021	panagolin-ident - Pangolin Identification
9022	paragent - PrivateArk Remote Agent
9023	swa-1 - Secure Web Access - 1
9024	swa-2 - Secure Web Access - 2
9025	swa-3 - Secure Web Access - 3
9026	swa-4 - Secure Web Access - 4
9027-9089	# - Unassigned
9090	websm - WebSM
9091	xmltec-xmlmail - xmltec-xmlmail
9092-9100	# - Unassigned
9101	bacula-dir - Bacula Director
9102	bacula-fd - Bacula File Daemon
9103	bacula-sd - Bacula Storage Daemon
9104-9159	# - Unassigned
9160	netlock1 - NetLOCK1
9161	netlock2 - NetLOCK2
9162	netlock3 - NetLOCK3
9163	netlock4 - NetLOCK4
9164	netlock5 - NetLOCK5
9165-9199	# - Unassigned
9200	wap-wsp - WAP connectionless session service
9201	wap-wsp-wtp - WAP session service
9202	wap-wsp-s - WAP secure connectionless session service
9203	wap-wsp-wtp-s - WAP secure session service
9204	wap-vcard - WAP vCard
9205	wap-vcal - WAP vCal
9206	wap-vcard-s - WAP vCard Secure
9207	wap-vcal-s - WAP vCal Secure

Port	Description
9208-9216	# - Unassigned
9217	fsc-port - FSC Comm Port
9218-9280	# - Unassigned
9281	swtp-port1 - SofaWare transport port 1
9282	swtp-port2 - SofaWare transport port 2
9283	callwaveiam - CallWaveIAM
9284	visd - VERITAS Information Serve
9285	n2h2server - N2H2 Filter Service Port
9286	# - Unassigned
9287	cumulus - Cumulus
9288-9291	# - Unassigned
9292	armtechdaemon - ArmTech Daemon
9293-9320	# - Unassigned
9321	guibase - guibase
9322-9342	# - Unassigned
9343	mpidmgr - MpldcMgr
9344	mphilpdmc - Mphilpdmc
9345	# - Unassigned
9346	ctechlicensing - C Tech Licensing
9347-9373	# - Unassigned
9374	fjdmimgr - fjdmimgr
9375-9395	# - Unassigned
9396	fjinvmgr - fjinvmgr
9397	mpidcagt - MpldcAgt
9398-9499	# - Unassigned
9500	ismserver - ismserver
9501-9534	# - Unassigned
9535	mngsuite -
9536-9593	# - Unassigned
9594	msgsys - Message System
9595	pds - Ping Discovery Service
9596-9599	# - Unassigned
9600	micromuse-ncpw - MICROMUSE-NCPW
9601-9611	# - Unassigned
9612	streamcomm-ds - StreamComm User Dir.
9613-9746	# - Unassigned
9747	l5nas-parchan - L5NAS Parallel Channel
9748-9752	# - Unassigned
9753	rasadv - rasadv

Port	Description
9754-9799	# - Unassigned
9800	davsrc - WebDav Source Port
9801	sstp-2 - Sakura Script Transfer Protocol-2
9802-9874	# - Unassigned
9875	sapv1 - Session Announcement v1
9876	sd - Session Director
9888	cyborg-systems - CYBORG Systems
9898	monkeycom - MonkeyCom
9899	sctp-tunneling - SCTP TUNNELING
9900	iua - IUA
9901-9908	# - Unassigned
9909	domaintime - domaintime
9910-9949	# - Unassigned
9950	apcpcpluswin1 - APCPCPLUSWIN1
9951	apcpcpluswin2 - APCPCPLUSWIN2
9952	apcpcpluswin3 - APCPCPLUSWIN3
9953-9991	# - Unassigned
9992	palace-1 - OnLive-1
9993	palace-2 - OnLive-2
9994	palace-3 - OnLive-3
9995	palace-4 - Palace-4
9996	palace-5 - Palace-5
9997	palace-6 - Palace-6
9998	distinct32 - Distinct32
9999	distinct - distinct
10000	ndmp - Network Data Mgt Protocol
10001	scp-config - SCP Configuration Port
10002-10006	# - Unassigned
10007	mvs-capacity - MVS Capacity
10008-10079	# - Unassigned
10080	amanda - Amanda
10081-10100	# - Unassigned
10101	ezmeeting-2 - eZmeeting
10102	ezproxy-2 - eZproxy
10103	ezrelay - eZrelay
10104-10112	# - Unassigned
10113	netiq-endpoint - NetIQ Endpoint
10114	netiq-qcheck - NetIQ Qcheck
10115	netiq-endpt - NetIQ Endpoint
10116	netiq-voipa - NetIQ VoIP Assessor
10117-10127	# - Unassigned
10128	bmc-perf-sd - BMC-Perform-Service daemon

Registered IP Port Numbers – Continued

Port	Description
10129-10259	# - Unassigned
10260	axis-wimp-port - Axis WIMP Port
10261-10287	# - Unassigned
10288	blocks - Blocks
10289-10989	# - Unassigned
10990	rmiaux - Auxiliary RMI Port
10991-10999	# - Unassigned
11000	irisa - IRISA
11001	metasys - Metasys
11002-11110	# - Unassigned
11111	vce - Viral Computing Environment (VCE)
11112-11200	# - Unassigned
11201	smsqp - smsqp
11202-11318	# - Unassigned
11319	imip - IMIP
11320	imip-channels - IMIP Channels Port
11321	arena-server - Arena Server Listen
11322-11366	# - Unassigned
11367	atm-uhas - ATM UHAS
11368-11599	# - Unassigned
11600	tempest-port - Tempest Protocol Port
11601-11719	# - Unassigned
11720	h323callsigalt - h323 Call Signal Alternate
11721-11999	# - Unassigned
12000	entextxid - IBM Enterprise Extender SNA XID Exchange
12001	entextnetwk - IBM Enterprise Extender SNA COS Network Priority
12002	entexthigh - IBM Enterprise Extender SNA COS High Priority
12003	entextmed - IBM Enterprise Extender SNA COS Medium Priority
12004	entextlow - IBM Enterprise Extender SNA COS Low Priority
12005-12171	# - Unassigned
12172	hivep - HiveP
12173-12344	# - Unassigned
12345	italk - Italk Chat System
12346-12752	# - Unassigned

Port	Description
12753	tsaf - tsaf port
12754-13159	# - Unassigned
13160	i-zipqd - I-ZIPQD
13161-13222	# - Unassigned
13223	powwow-client - PowWow Client
13224	powwow-server - PowWow Server
13225-13719	# - Unassigned
13720	bprd - BPRD Protocol (VERITAS NetBackup)
13721	bpdbm - BPDBM Protocol (VERITAS NetBackup)
13722	bpjava-msvc - BP Java MSVC Protocol
13723	# - Unassigned
13724	vnetd - Veritas Network Utility
13725-13781	# - Unassigned
13782	bpcd - VERITAS NetBackup
13783	vopied - VOPIED Protocol
13784-13817	# - Unassigned
13818	dsmcc-config - DSMCC Config
13819	dsmcc-session - DSMCC Session Messages
13820	dsmcc-passthru - DSMCC Pass-Thru Messages
13821	dsmcc-download - DSMCC Download Protocol
13822	dsmcc-ccp - DSMCC Channel Change Protocol
13823-14000	# - Unassigned
14001	sua - De-Registered (2001 June 06)
14001	sua - SUA
14002-14032	# - Unassigned
14033	sage-best-com1 - sage Best! Config Server 1
14034	sage-best-com2 - sage Best! Config Server 2
14035-14140	# - Unassigned
14141	vcs-app - VCS Appl
14142-14144	# - Unassigned
14145	gcm-app - GCM Appl
14146-14148	# - Unassigned
14149	vrts-idd - Veritas Traffic Director
14150-14935	# - Unassigned
14936	hde-lcesrvr-1 - hde-lcesrvr-1
14937	hde-lcesrvr-2 - hde-lcesrvr-2
14938-14999	# - Unassigned

Port	Description
15000	hydap - Hypack Data Aquisition
15001-15344	# - Unassigned
15345	xpilot - XPilot Contact Port
15346-16360	# - Unassigned
16361	netserialext1 - netserialext1
16362	netserialext2 - netserialext2
16362-16366	# - Unassigned
16367	netserialext3 - netserialext3
16368	netserialext4 - netserialext4
16369-16990	# - Unassigned
16991	intel-rci-mp - INTEL-RCI-MP
16992-17006	# - Unassigned
17007	isode-dua -
17008-17184	# - Unassigned
17185	soundsvirtual - Sounds Virtual
17186-17218	# - Unassigned
17219	chipper - Chipper
17220-17999	# - Unassigned
18000	biimenu - Beckman Instruments, Inc.
18001-18180	# - Unassigned
18181	opsec-cvp - OPSEC CVP
18182	opsec-ufp - OPSEC UFP
18183	opsec-sam - OPSEC SAM
18184	opsec-lea - OPSEC LEA
18185	opsec-omi - OPSEC OMI
18186	# - Unassigned
18187	opsec-ela - OPSEC ELA
18188-18240	# - Unassigned
18241	checkpoint-rtm - Check Point RTM
18242-18462	# - Unassigned
18463	ac-cluster - AC Cluster
18464-18887	# - Unassigned
18888	apc-necmp - APCNECMP
18889-19190	# - Unassigned
19191	opsec-uaa - opsec-uaa
19192-19282	# - Unassigned
19283	keysrvr - Key Server for SASSAFRAS
19284-19314	# - Unassigned

Port	Description
19315	keyshadow - Key Shadow for SASSAFRAS
19316-19397	# - Unassigned
19398	mtrgtrans - mtrgtrans
19399-19409	# - Unassigned
19410	hp-sco - hp-sco
19411	hp-sca - hp-sca
19412	hp-sessmon - HP-SESSMON
19413-19540	# - Unassigned
19541	jcp - JCP Client
19542-19999	# - Unassigned
20000	dnp - DNP
20001-20221	# - Unassigned
20222	ipulse-ics - iPulse-ICS
20223-20669	# - Unassigned
20300-21589	# - Unassigned
20670	track - Track
20671-20998	# - Unassigned
20999	athand-mmp - At Hand MMP
21590	vofr-Gtwy - VoFR Gtwy
21591-21799	# - Unassigned
21800	tvpm - TVNC Pro Multiplexing
21801-21844	# - Unassigned
21845	webphone - webphone
21846	netspeak-is - NetSpeak Corp. Dir Services
21847	netspeak-cs - NetSpeak Corp. Connection Services
21848	netspeak-acd - NetSpeak Corp. Automatic Call Distribution
21849	netspeak-cps - NetSpeak Corp. Credit Processing System
21850-21999	# - Unassigned
22000	snapenetio - SNAPenetIO
22001	optocontrol - OptoControl
22002-22272	# - Unassigned
22273	wnn6 - wnn6
22556-22799	# - Unassigned
22800	aws-brf - Telerate Information Platform LAN
22801-22950	# - Unassigned
22951	brf-gw - Telerate Information Platform WAN

Registered IP Port Numbers – Continued

Port	Description
22952-23999	# - Unassigned
24000	med-ltp - med-ltp
24001	med-fsp-rx - med-fsp-rx
24002	med-fsp-tx - med-fsp-tx
24003	med-supp - med-supp
24004	med-ovw - med-ovw
24005	med-ci - med-ci
24006	med-net-svc - med-net-svc
24007-24241	# - Unassigned
24242	filesphere - fileSphere
24243-24248	# - Unassigned
24249	vista-4gl - Vista 4GL
24250-24385	# - Unassigned
24386	intel_rci - Intel RCI
24387-24553	# - Unassigned
24554-34676	# - Unassigned
24554	binkp - BINKP
24677	flashfiler - FlashFiler
24678	proactivate - Turbopower Proactivate
24679-24921	# - Unassigned
24922	snip - Simple Net Ident Protocol
24923-24999	# - Unassigned
25000	icl-twobase1 - icl-twobase1
25001	icl-twobase2 - icl-twobase2
25002	icl-twobase3 - icl-twobase3
25003	icl-twobase4 - icl-twobase4
25004	icl-twobase5 - icl-twobase5
25005	icl-twobase6 - icl-twobase6
25006	icl-twobase7 - icl-twobase7
25007	icl-twobase8 - icl-twobase8
25008	icl-twobase9 - icl-twobase9

Port	Description
25009	icl-twobase10 - icl-twobase10
25010-25792	# - Unassigned
25793	vocaltec-hos - Vocaltec Address Server
25794-25900	# - Unassigned
25901	niobserver - NIObserver
25902	# - Unassigned
25903	niprobe - NIProbe
25904-25999	# - Unassigned
26000	quake - quake
26001-26207	# - Unassigned
26208	wnn6-ds - wnn6-ds
26209-26259	# - Unassigned
26260	ezproxy - eZproxy
26261	ezmeeting - eZmeeting
26262	k3software-svr - K3 Software-Server
26263	k3software-cli - K3 Software-Client
26264	gserver - Gserver
26265-26999	# - Unassigned
27000-27009	flex-lm - FLEX LM (1-10)
27010-27344	# - Unassigned
27345	imagepump - ImagePump
27346-27998	# - Unassigned
27999	tw-auth-key - Attribute Certificate Services
27999	tw-auth-key - TW Auth/Key Distribution and
28000-30000	# - Unassigned
30001	pago-services1 - Pago Services 1
30002	pago-services2 - Pago Services 2
30003-32767	# - Unassigned

Port	Description
32768	filenet-tms - Filenet TMS
32769	filenet-rpc - Filenet RPC
32770	filenet-nch - Filenet NCH
32771	filenet-rmi - FileNET RMI
32772-33433	# - Unassigned
33434	traceroute - traceroute use
33435-34248	# - Unassigned
34249	turbonote-2 - TurboNote Relay Server Default Port
34250-36864	# - Unassigned
36865	kastenxpipe - KastenX Pipe
36866-37474	# - Unassigned
37475	neckar - science + computing's Venus Admin Port
37476-39680	# - Unassigned
39681	turbonote-1 - TurboNote Default Port
39682-40840	# - Unassigned
40841	cscp - CSCP
40842	csccredir - CSCCREDIR
40843	csccfirewall - CSCCFIREWALL
40844-41110	# - Unassigned
41111	fs-qos - Forusticks QoS Protocol
41111	fs-qos - Foursticks QoS Protocol
41112-43187	# - Unassigned
43188	reachout - REACHOUT
43189	ndm-agent-port - NDM-AGENT-PORT
43190	ip-provision - IP-PROVISION
43191-44817	# - Unassigned
44818	rockwell-encap - Rockwell Encapsulation

Port	Description
44819-45053	# - Unassigned
45054	invision-ag - InVision AG
45055-45677	# - Unassigned
45678	eba - EBA PRISE
45679-45965	# - Unassigned
45966	ssr-servermgr - SSRServerMgr
45967-46999	# - Unassigned
47000	mbus - Message Bus
47001-47556	# - Unassigned
47557	dbbrowse - Databeam Corporation
47558-47623	# - Unassigned
47624	directplaysrvr - Direct Play Server
47625-47805	# - Unassigned
47806	ap - ALC Protocol
47807	# - Unassigned
47808	bacnet - Building Automation and Control Networks
47809-47999	# - Unassigned
48000	nimcontroller - Nimbus Controller
48001	nimspooler - Nimbus Spooler
48002	nimhub - Nimbus Hub
48003	nimgtw - Nimbus Gtwy
48004-48555	# - Unassigned
48556	com-bardac-dw - com-bardac-dw
48557-49150	# - Unassigned
49151	# - IANA Reserved

About the Author

Jim Hudson started working in the IT industry in 1982 while a student at Washington and Lee University. Today his emphasis is on network strategy, analysis, design and implementation of complex LAN/WAN architectures. His innovative ideas have helped many clients stay at the forefront of technology. He has designed and implemented single building, campus, and enterprise network architectures supporting from 100 to 100,000 clients. His experience has enabled him to provide IP architecture designs and migration solutions for large enterprise networks, coordinate IP domain consolidation after corporate mergers, and provide troubleshooting and application performance analysis. Mr. Hudson has extensive experience providing network performance and impact assessments for existing and proposed networks as well as networked applications.

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