

Ports and protocols

Port	Protocol	Application protocol	System service name
n/a	GRE	GRE (IP protocol 47)	Routing and Remote Access
n/a	ESP	IPsec ESP (IP protocol 50)	Routing and Remote Access
n/a	AH	IPsec AH (IP protocol 51)	Routing and Remote Access
7	TCP	Echo	Simple TCP/IP Services
7	UDP	Echo	Simple TCP/IP Services
9	TCP	Discard	Simple TCP/IP Services
9	UDP	Discard	Simple TCP/IP Services
13	TCP	Daytime	Simple TCP/IP Services
13	UDP	Daytime	Simple TCP/IP Services
17	TCP	Quotd	Simple TCP/IP Services
17	UDP	Quotd	Simple TCP/IP Services
19	TCP	Chargen	Simple TCP/IP Services
19	UDP	Chargen	Simple TCP/IP Services
20	TCP	FTP default data	FTP Publishing Service
21	TCP	FTP control	FTP Publishing Service
21	TCP	FTP control	Application Layer Gateway Service
23	TCP	Telnet	Telnet
25	TCP	SMTP	Simple Mail Transfer Protocol
25	UDP	SMTP	Simple Mail Transfer Protocol
25	TCP	SMTP	Exchange Server
25	UDP	SMTP	Exchange Server
42	TCP	WINS Replication	Windows Internet Name Service
42	UDP	WINS Replication	Windows Internet Name Service
53	TCP	DNS	DNS Server
53	UDP	DNS	DNS Server
53	TCP	DNS	Internet Connection Firewall/Internet Connection Sharing
53	UDP	DNS	Internet Connection Firewall/Internet Connection Sharing
67	UDP	DHCP Server	DHCP Server
67	UDP	DHCP Server	Internet Connection Firewall/Internet Connection Sharing
69	UDP	TFTP	Trivial FTP Daemon Service
80	TCP	HTTP	Windows Media Services
80	TCP	HTTP	World Wide Web Publishing Service
80	TCP	HTTP	SharePoint Portal Server
88	TCP	Kerberos	Kerberos Key Distribution Center
88	UDP	Kerberos	Kerberos Key Distribution Center
102	TCP	X.400	Microsoft Exchange MTA Stacks
110	TCP	POP3	Microsoft POP3 Service
110	TCP	POP3	Exchange Server
119	TCP	NNTP	Network News Transfer Protocol
123	UDP	NTP	Windows Time
123	UDP	SNTP	Windows Time
135	TCP	RPC	Message Queuing
135	TCP	RPC	Remote Procedure Call

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Port	Protocol	Application protocol	System service name
135	TCP	RPC	Exchange Server
135	TCP	RPC	Certificate Services
135	TCP	RPC	Cluster Service
135	TCP	RPC	Distributed File System
135	TCP	RPC	Distributed Link Tracking
135	TCP	RPC	Distributed Transaction Coordinator
135	TCP	RPC	Event Log
135	TCP	RPC	Fax Service
135	TCP	RPC	File Replication
135	TCP	RPC	Group Policy
135	TCP	RPC	Local Security Authority
135	TCP	RPC	Remote Storage Notification
135	TCP	RPC	Remote Storage Server
135	TCP	RPC	Systems Management Server 2.0
135	TCP	RPC	Terminal Services Licensing
135	TCP	RPC	Terminal Services Session Directory
137	UDP	NetBIOS Name Resolution	Computer Browser
137	UDP	NetBIOS Name Resolution	Server
137	UDP	NetBIOS Name Resolution	Windows Internet Name Service
137	UDP	NetBIOS Name Resolution	Net Logon
137	UDP	NetBIOS Name Resolution	Systems Management Server 2.0
138	UDP	NetBIOS Datagram Service	Computer Browser
138	UDP	NetBIOS Datagram Service	Messenger
138	UDP	NetBIOS Datagram Service	Server
138	UDP	NetBIOS Datagram Service	Net Logon
138	UDP	NetBIOS Datagram Service	Distributed File System
138	UDP	NetBIOS Datagram Service	Systems Management Server 2.0
138	UDP	NetBIOS Datagram Service	License Logging Service
139	TCP	NetBIOS Session Service	Computer Browser
139	TCP	NetBIOS Session Service	Fax Service
139	TCP	NetBIOS Session Service	Performance Logs and Alerts
139	TCP	NetBIOS Session Service	Print Spooler
139	TCP	NetBIOS Session Service	Server
139	TCP	NetBIOS Session Service	Net Logon
139	TCP	NetBIOS Session Service	Remote Procedure Call Locator
139	TCP	NetBIOS Session Service	Distributed File System
139	TCP	NetBIOS Session Service	Systems Management Server 2.0
139	TCP	NetBIOS Session Service	License Logging Service
143	TCP	IMAP	Exchange Server
161	UDP	SNMP	SNMP Service
162	UDP	SNMP Traps Outbound	SNMP Trap Service
389	TCP	LDAP Server	Local Security Authority
389	UDP	LDAP Server	Local Security Authority
389	TCP	LDAP Server	Distributed File System
389	UDP	LDAP Server	Distributed File System
443	TCP	HTTPS	HTTP SSL

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Port	Protocol	Application protocol	System service name
443	TCP	HTTPS	World Wide Web Publishing Service
443	TCP	HTTPS	SharePoint Portal Server
443	TCP	RPC over HTTP	Exchange Server 2003
445	TCP	SMB	Fax Service
445	TCP	SMB	Print Spooler
445	TCP	SMB	Server
445	TCP	SMB	Remote Procedure Call Locator
445	TCP	SMB	Distributed File System
445	TCP	SMB	License Logging Service
445	TCP	SMB	Net Logon
464	TCP	Kerberos Password V5	Net Logon
500	UDP	IPsec ISAKMP	Local Security Authority
515	TCP	LPD	TCP/IP Print Server
548	TCP	File Server for Macintosh	File Server for Macintosh
554	TCP	RTSP	Windows Media Services
563	TCP	NNTP over SSL	Network News Transfer Protocol
593	TCP	RPC over HTTP endpoint mapper	Remote Procedure Call
593	TCP	RPC over HTTP	Exchange Server
636	TCP	LDAP SSL	Local Security Authority
636	UDP	LDAP SSL	Local Security Authority
993	TCP	IMAP over SSL	Exchange Server
995	TCP	POP3 over SSL	Exchange Server
1067	TCP	Installation Bootstrap Service	Installation Bootstrap protocol server
1068	TCP	Installation Bootstrap Service	Installation Bootstrap protocol client
1270	TCP	MOM-Encrypted	Microsoft Operations Manager 2000
1433	TCP	SQL over TCP	Microsoft SQL Server
1433	TCP	SQL over TCP	MSSQL\$UDDI
1434	UDP	SQL Probe	Microsoft SQL Server
1434	UDP	SQL Probe	MSSQL\$UDDI
1645	UDP	Legacy RADIUS	Internet Authentication Service
1646	UDP	Legacy RADIUS	Internet Authentication Service
1701	UDP	L2TP	Routing and Remote Access
1723	TCP	PPTP	Routing and Remote Access
1755	TCP	MMS	Windows Media Services
1755	UDP	MMS	Windows Media Services
1801	TCP	MSMQ	Message Queuing
1801	UDP	MSMQ	Message Queuing
1812	UDP	RADIUS Authentication	Internet Authentication Service
1813	UDP	RADIUS Accounting	Internet Authentication Service
1900	UDP	SSDP	SSDP Discovery Service
2101	TCP	MSMQ-DCs	Message Queuing
2103	TCP	MSMQ-RPC	Message Queuing
2105	TCP	MSMQ-RPC	Message Queuing

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2107	TCP	MSMQ-Mgmt	Message Queuing
2393	TCP	OLAP Services 7.0	SQL Server: Downlevel OLAP Client Support
2394	TCP	OLAP Services 7.0	SQL Server: Downlevel OLAP Client Support
2460	UDP	MS Theater	Windows Media Services
2535	UDP	MADCAP	DHCP Server
2701	TCP	SMS Remote Control (control)	SMS Remote Control Agent
2701	UDP	SMS Remote Control (control)	SMS Remote Control Agent
2702	TCP	SMS Remote Control (data)	SMS Remote Control Agent
2702	UDP	SMS Remote Control (data)	SMS Remote Control Agent
2703	TCP	SMS Remote Chat	SMS Remote Control Agent
2703	UDP	SMS Remote Chat	SMS Remote Control Agent
2704	TCP	SMS Remote File Transfer	SMS Remote Control Agent
2704	UDP	SMS Remote File Transfer	SMS Remote Control Agent
2725	TCP	SQL Analysis Services	SQL Analysis Server
2869	TCP	UPNP	Universal Plug and Play Device Host
2869	TCP	SSDP event notification	SSDP Discovery Service
3268	TCP	Global Catalog Server	Local Security Authority
3269	TCP	Global Catalog Server	Local Security Authority
3343	UDP	Cluster Services	Cluster Service
3389	TCP	Terminal Services	NetMeeting Remote Desktop Sharing
3389	TCP	Terminal Services	Terminal Services
3527	UDP	MSMQ-Ping	Message Queuing
4011	UDP	BINL	Remote Installation
4500	UDP	NAT-T	Local Security Authority
5000	TCP	SSDP legacy event notification	SSDP Discovery Service
5004	UDP	RTP	Windows Media Services
5005	UDP	RTCP	Windows Media Services
6001	TCP	Information Store	Exchange Server 2003
6002	TCP	Directory Referral	Exchange Server 2003
6004	TCP	DSProxy/NSPI	Exchange Server 2003
42424	TCP	ASP.Net Session State	ASP.NET State Service
51515	TCP	MOM-Clear	Microsoft Operations Manager 2000
1024-65534	TCP	RPC	Randomly allocated high TCP ports