

Application	Protocol	Ports
Active Directory (Local Security Authority)		
Service Name: LSASS		
Global Catalog Server	TCP	3269
Global Catalog Server	TCP	3268
LDAP Server	TCP	389
LDAP Server	UDP	389
LDAP SSL	TCP	636
LDAP SSL	UDP	636
IPsec ISAKMP	UDP	500
NAT-T	UDP	4500
RPC	TCP	135
RPC randomly allocated high TCP ports	TCP	1024-65534
Application Layer Gateway Service		
Service Name: ALG		
FTP control	TCP	21
ASP.NET State Service		
Service Name: aspnet_state		
ASP.NET Session State	TCP	42424
Certificate Services		
Service Name: CertSvc		
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
Cluster Service		
Service Name: ClusSvc		
Cluster Services	UDP	3343
RPC	TCP	135
Cluster Administrator	UDP	137
Randomly allocated high TCP ports	TCP	1024-65534
Computer Browser		
Service Name: Browser		
NetBIOS Datagram Service	UDP	138
NetBIOS Name Resolution	UDP	137
NetBIOS Session Service	TCP	139
DHCP Server		
Service Name: DHCPServer		
DHCP Server	UDP	67
MADCAP	UDP	2535

Application	Protocol	Ports
Distributed File System		
Service Name: Dfs		
NetBIOS Datagram Service	UDP	138
NetBIOS Session Service	TCP	139
LDAP Server	TCP	389
LDAP Server	UDP	389
SMB	TCP	445
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
Distributed File System Replication		
Service Name: DFSR		
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
Distributed Link Tracking Server		
Service Name: TrkSvr		
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
Distributed Transaction Coordinator		
Service Name: MSDTC		
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
DNS Server		
Service Name: DNS		
DNS	UDP	53
DNS	TCP	53
Event Log		
Service Name: Eventlog		
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
Microsoft Exchange Server and Outlook clients		
Exchange Server		
IMAP	TCP	143
IMAP over SSL	TCP	993
POP3	TCP	110
POP3 over SSL	TCP	995
Randomly allocated high TCP ports	TCP	1024-65534
RPC	TCP	135
RPC over HTTP	TCP	443
SMTP	TCP	25
SMTP	UDP	25
Information Store	TCP	6001
Directory Referral	TCP	6002
DSProxy/NSPI	TCP	6004

Application	Protocol	Ports
Fax Service		
Service Name: Fax		
NetBIOS Session Service	TCP	139
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
SMB	TCP	445
File Replication		
Service Name: NtFrs		
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
File Server for Macintosh		
Service Name: MacFile		
File Server for Macintosh	TCP	548
FTP Publishing Service		
Service Name: MSFTPSVC		
FTP control	TCP	21
FTP default data	TCP	20
Randomly allocated high TCP ports	TCP	1024-65534
Group Policy		
Service Name: Group Policy		
DCOM	TCP + UDP	1024-65534
ICMP (ping)	UCP	20
LDAP	TCP	389
SMB	TCP	445
RPC	TCP	135, 1024-65534
HTTP SSL		
Service Name: HTTPFilter		
HTTPS	TCP	443
Internet Authentication Service		
Service Name: IAS		
Legacy RADIUS	UDP	1645
Legacy RADIUS	UDP	1646
RADIUS Accounting	UDP	1813
RADIUS Authentication	UDP	1812
Internet Connection Firewall (ICF)/Internet Connection Sharing (ICS)		
Service Name: SharedAccess		
DHCP Server	UDP	67
DNS	UDP	53
DNS	TCP	53

Application	Protocol	Ports
Kerberos Key Distribution Center		
Service Name: kdc		
Kerberos	TCP	88
Kerberos	UDP	88
License Logging		
Service Name: LicenseService		
NetBIOS Datagram Service	UDP	138
NetBIOS Session Service	TCP	139
SMB	TCP	445
Message Queuing		
Service Name: MSMQ		
MSMQ	TCP	1801
MSMQ	UDP	1801
MSMQ-DCs	TCP	2101
MSMQ-Mgmt	TCP	2107
MSMQ-Ping	UDP	3527
MSMQ-RPC	TCP	2105
MSMQ-RPC	TCP	2103
RPC	TCP	135
Messenger		
Service Name: Messenger		
NetBIOS Datagram Service	UDP	138
Microsoft Exchange MTA Stacks		
Service Name: MSExchangeMTA		
X.400	TCP	102
Microsoft Operations Manager 2000		
Service Name: one point		
MOM-Clear	TCP	51515
MOM-Encrypted	TCP	1270
Microsoft POP3 Service		
Service Name: POP3SVC		
POP3	TCP	110
MSSQLSERVER		
Service Name: MSSQLSERVER		
SQL over TCP	TCP	1433
SQL Probe	UDP	1434
MSSQL\$UDDI		
Service Name: MSSQLSERVER		
SQL over TCP	TCP	1433
SQL Probe	UDP	1434

Application	Protocol	Ports
Net Logon		
Service Name: Netlogon		
NetBIOS Datagram Service	UDP	138
NetBIOS Name Resolution	UDP	137
NetBIOS Session Service	TCP	139
SMB	TCP	445
NetMeeting Remote Desktop Sharing		
Service Name: mnmsrvc		
Terminal Services	TCP	3389
Network News Transfer Protocol (NNTP)		
Service Name: NNTPSVC		
NNTP	TCP	119
NNTP over SSL	TCP	563
Performance Logs and Alerts		
Service Name: SysmonLog		
NetBIOS Session Service	TCP	139
Print Spooler		
Service Name: Spooler		
NetBIOS Session Service	TCP	139
SMB	TCP	445
Remote Installation		
Service Name: BINLSVC		
BINL	UDP	4011
Remote Procedure Call (RPC)		
Service Name: RpcSs		
RPC	TCP	135
RPC over HTTP	TCP	593
Remote Procedure Call (RPC) Locator		
Service Name: RpcLocator		
NetBIOS Session Service	TCP	139
SMB	TCP	445
Remote Storage Notification		
Service Name: Remote_Storage_User_Link		
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
Remote Storage Server		
Service Name: Remote_Storage_Server		
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534

Application	Protocol	Ports
Routing and Remote Access		
Service Name: RemoteAccess		
GRE (IP protocol 47)	GRE	n/a
IPsec AH (IP protocol 51)	AH	n/a
IPsec ESP (IP protocol 50)	ESP	n/a
L2TP	UDP	1701
PPTP	TCP	1723
Server		
Service Name: lanmanserver		
NetBIOS Datagram Service	UDP	138
NetBIOS Name Resolution	UDP	137
NetBIOS Session Service	TCP	139
SMB	TCP	445
SharePoint Portal Server		
Application protocol	Protocol	Ports
HTTP	TCP	80
HTTPS	TCP	443
Simple Mail Transfer Protocol (SMTP)		
Service Name: SMTPSVC		
SMTP	TCP	25
SMTP	UDP	25
Simple TCP/IP Services		
Service Name: SimpTcp		
Chargen	TCP	19
Chargen	UDP	19
Daytime	TCP	13
Daytime	UDP	13
Discard	TCP	9
Discard	UDP	9
Echo	TCP	7
Echo	UDP	7
Quotd	TCP	17
Quoted	UDP	17
SMS Remote Control Agent		
Service Name: Wuser32		
SMS Remote Chat	TCP	2703
SMS Remote Chat	UDP	2703
SMS Remote Control (control)	TCP	2701
SMS Remote Control (control)	UDP	2701
SMS Remote Control (data)	TCP	2702
SMS Remote Control (data)	UDP	2702
SMS Remote File Transfer	TCP	2704
SMS Remote File Transfer	UDP	2704

Application	Protocol	Ports
SNMP Service		
Service Name: SNMP SNMP	UDP	161
SNMP Trap Service		
Service Name: SNMPTRAP SNMP Traps Outbound	UDP	162
SQL Analysis Server		
SQL Analysis Services	TCP	2725
SQL Server: Downlevel OLAP Client Support		
OLAP Services 7.0	TCP	2393
OLAP Services 7.0	TCP	2394
SSDP Discovery Service		
Service Name: SSDPRSR SSDP	UDP	1900
SSDP event notification	TCP	2869
SSDP legacy event notification	TCP	5000
Systems Management Server 2.0		
NetBIOS Datagram Service	UDP	138
NetBIOS Name Resolution	UDP	137
NetBIOS Session Service	TCP	139
RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
TCP/IP Print Server		
Service Name: LPDSVC LPD	TCP	515
Telnet		
Service Name: TlntSvr Telnet	TCP	23
Terminal Services		
Service Name: TermService Terminal Services	TCP	3389
Terminal Services Licensing		
Service Name: TermServLicensing RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534
SMB (named pipes)	TCP	139, 445
Terminal Services Session Directory		
Service Name: Tssdis RPC	TCP	135
Randomly allocated high TCP ports	TCP	1024-65534

Application	Protocol	Ports
Trivial FTP Daemon		
Service Name: tftpd		
TFTP	UDP	69
Universal Plug and Play Device Host		
Service Name: UPNPHost		
UPNP	TCP	2869
Windows Internet Name Service (WINS)		
Service Name: WINS		
NetBIOS Name Resolution	UDP	137
WINS Replication	TCP	42
WINS Replication	UDP	42
Windows Media Services		
Service Name: WMServer		
HTTP	TCP	80
MMS	TCP	1755
MMS	UDP	1755
MS Theater	UDP	2460
RTCP	UDP	5005
RTP	UDP	5004
RTSP	TCP	554
Windows Time		
Service Name: W32Time		
NTP	UDP	123
SNTP	UDP	123
World Wide Web Publishing Service		
Service Name: W3SVC		
HTTP	TCP	80
HTTPS	TCP	443