



## Default Application Policies

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Cisco WAAS includes over 150 default application policies that help your WAAS system classify and optimize some of the most common traffic on your network.

[Table A-1](#) lists the default applications and classifiers that WAAS will either optimize or pass through based on the policies that are provided with the system.

Before you create a new application policy, we recommend that you review the default policies and modify them as appropriate. Often, you can more easily modify an existing policy than create a new one.

When reviewing [Table A-1](#), note the following information:

- The subheadings represent the application names, and the associated classifiers are listed under these subheadings. For example, Authentication is a type of application and Kerberos is a classifier for that application.
- Applications with the word (*monitored*) next to them are monitored by the WAAS Central Manager, which can only display statistics for 20 applications at a time. To view statistics for one of the unmonitored applications, use one of the following methods:
  - Use the WAAS CLI, which can display statistics for all applications on a WAAS device. For more information, see the *Cisco Wide Area Application Services Command Reference*.
  - Modify the application settings so the WAAS Central Manager GUI displays statistics for the desired application. For more information, see [Chapter 12, “Configuring Application Acceleration.”](#)

WAAS uses the following optimization technologies based on the type of traffic it encounters:

- TFO (transport flow optimization)—A collection of optimization technologies such as automatic windows scaling, increased buffering, and selective acknowledgement that optimize all TCP traffic over your network.
- RE (redundancy elimination)—A compression technology that reduces the size of transmitted data by removing redundant information before sending the shortened data stream over the WAN. RE operates on significantly larger streams and maintains a much larger compression history than LZ compression.
- LZ (compression)—Another compression technology that operates on smaller data streams and keeps limited compression history compared to RE.

**Table A-1** Default Traffic Policies

Classifier	WAAS Action	Destination Ports
<b>Authentication</b>		
Kerberos	Passthrough	88, 2053, 754, 888, 543, 464, 544, 749
SASL	Passthrough	3659
TACAS	Passthrough	49
<b>Backup (monitored)</b>		
CommVault	TFO	8400–8403
Connected-DataProtector	TFO	16384
IBM-TSM	LZ+TFO+DRE	1500-1502
Legato-NetWorker	TFO	7937, 7938, 7939
Legato-RepliStor	TFO	7144, 7145
Veritas-BackupExec	TFO	6101, 6102, 6106, 3527, 1125
Veritas-NetBackup	TFO	13720, 13721, 13782, 13785
<b>Call-Management</b>		
Cisco-CallManager	Passthrough	2748
SIP-secure	Passthrough	5061
VoIP-Control	Passthrough	1300, 2428, 2000–2002, 1718–1720, 5060, 11720, 11000–11999
<b>Conferencing</b>		
CU-SeeMe	Passthrough	7640, 7642, 7648, 7649
ezMeeting	Passthrough	10101–10103, 26260–26261
GnomeMeeting	Passthrough	30000–30010
Intel-Proshare	Passthrough	5713–5717
MS-NetMeeting	Passthrough	522, 1503, 1720, 1731
VocalTec	Passthrough	1490, 6670, 25793, 22555
<b>Console</b>		
SSL-Shell	Passthrough	614
Telnet	Passthrough	23, 107, 513
Telnets	Passthrough	992
Unix-Remote-Execution	Passthrough	514, 512
<b>Content-Management (monitored)</b>		
Documentum	LZ+TFO+DRE	1489
Filenet	LZ+TFO+DRE	32768–32774
ProjectWise-FileTransfer	LZ+TFO+DRE	5800
<b>Directory-Services (monitored)</b>		
LDAP	LZ+TFO+DRE	389, 8404
LDAP-Global-Catalog	LZ+TFO+DRE	3268

**Table A-1** *Default Traffic Policies (continued)*

<b>Classifier</b>	<b>WAAS Action</b>	<b>Destination Ports</b>
LDAP-Global-Catalog-Secure	Passthrough	3269
LDAP-secure	Passthrough	636
<b>Email-and-Messaging</b> ( <i>monitored</i> )		
HP-OpenMail	LZ+TFO+DRE	5755, 5757, 5766, 5767, 5768, 5729
Internet-Mail	LZ+TFO+DRE	25, 110, 143, 220
Internet-Mail-secure	TFO	995, 993, 465
Lotus-Notes	LZ+TFO+DRE	1352
MAPI <sup>1</sup>	LZ+TFO+DRE	UUID:a4f1db00-ca47-1067-b31f-00dd010662da
MDaemon	LZ+TFO+DRE	3000, 3001
NNTP	LZ+TFO+DRE	119
NNTP-secure	TFO	563
Novell-Groupwise	LZ+TFO+DRE	1677, 1099, 9850, 7205, 3800, 7100, 7180, 7101, 7181, 2800
PCMail-Server	LZ+TFO+DRE	158
QMQP	LZ+TFO+DRE	209
X400	LZ+TFO+DRE	102
<b>Enterprise-Applications</b> ( <i>monitored</i> )		
SAP	LZ+TFO+DRE	3200–3399, 3600–3699
Siebel	LZ+TFO+DRE	8448, 2320, 2321
<b>File-System</b> ( <i>monitored</i> )		
AFS	LZ+TFO+DRE	7000–7009
Apple-AFP	LZ+TFO+DRE	548
CIFS-non-wafs	LZ+TFO+DRE	139, 445
NFS-non-wafs	LZ+TFO+DRE	2049
Novell-NetWare	LZ+TFO+DRE	524
<b>File-Transfer</b> ( <i>monitored</i> )		
BFTP	LZ+TFO+DRE	152
FTP-Control <sup>2</sup>	Passthrough	src20, 21
FTP-Data <sup>2</sup>	LZ+TFO+DRE	src20, 21
FTPS <sup>2</sup>	TFO	src989, 990
Simple-FTP	LZ+TFO+DRE	115
TFTP	LZ+TFO+DRE	69
TFTPS	TFO	3713
<b>Instant Messaging</b>		
AOL	Passthrough	5190–5193
Apple-iChat	Passthrough	5297, 5298

**Table A-1** Default Traffic Policies (continued)

<b>Classifier</b>	<b>WAAS Action</b>	<b>Destination Ports</b>
IRC	Passthrough	531, 6660–6669
Jabber	Passthrough	5222, 5269
Lotus-Sametime-Connect	Passthrough	1533
MS-Chat	Passthrough	6665, 6667
MSN-Messenger	Passthrough	1863, 6891–6900
Yahoo-Messenger	Passthrough	5000, 5001, 5050, 5100
<b>Name Services</b>		
DNS	Passthrough	53
iSNS	Passthrough	3205
Service-Location	Passthrough	427
WINS	Passthrough	42, 137, 1512
<b>Network-Analysis</b>		
Cisco-NetFlow	Passthrough	7544, 7545
<b>Other (monitored)</b>		
Basic-TCP-services	Passthrough	1–19
MS-EndPointMapper	EPM	135
MS-Message-Queuing	LZ+TFO+DRE	1801, 2101, 2103, 2105
NTP	Passthrough	123
Other-Secure	Passthrough	261, 448, 684, 695, 994, 2252, 2478, 2479, 2482, 2484, 2679, 2762, 2998, 3077, 3078, 3183, 3191, 3220, 3410, 3424, 3471, 3496, 3509, 3529, 3539, 3660, 3661, 3747, 3864, 3885, 3896, 3897, 3995, 4031, 5007, 5989, 5990, 7674, 9802, 11751, 12109
SOAP	LZ+TFO+DRE	7627
Symantec-AntiVirus	LZ+TFO+DRE	2847, 2848, 2967, 2968, 38037, 38292
Unclassified	LZ+TFO+DRE	Other
<b>P2P (monitored)</b>		
BitTorrent	Passthrough	6881–6889, 6969
eDonkey	Passthrough	4661, 4662
Gnutella	Passthrough	6346–6349, 6355, 5634
Grouper	Passthrough	8038
HotLine	Passthrough	5500–5503
Kazaa	Passthrough	1214
Laplink-ShareDirect	Passthrough	2705
Napster	Passthrough	8875, 8888, 7777, 6700, 6666, 6677, 6688
Qnext	Passthrough	44, 5555

**Table A-1** Default Traffic Policies (continued)

<b>Classifier</b>	<b>WAAS Action</b>	<b>Destination Ports</b>
SoulSeek	Passthrough	2234, 5534
WASTE	Passthrough	1337
WinMX	Passthrough	6699
<b>Printing (monitored)</b>		
AppSocket	LZ+TFO+DRE	9100
IPP	LZ+TFO+DRE	631
SUN-Xprint	LZ+TFO+DRE	8100
Unix-Printing	LZ+TFO+DRE	515, 170
<b>Remote-Desktop (monitored)</b>		
Altiris-CarbonCopy	Passthrough	1680
Apple-NetAssistant	Passthrough	3283
Citrix-ICA	LZ+TFO+DRE	1494
ControlIT	TFO	799
Danware-NetOp	TFO	6502
Laplink-Host	TFO	1547
Laplink-PCSync	TFO	8444
Laplink-PCSync-secure	TFO	8443
MS-Terminal-Services	TFO	3389
Netopia-Timbuktu	TFO	407, 1417–1420
PCAnywhere	TFO	73, 5631, 5632, 65301
RAdmin	TFO	4899
Remote-Anything	TFO	3999, 4000
Vmware-VMConsole	TFO	902
VNC	TFO	5800–5809, 6900–6909
XWindows	TFO	6000–6063
<b>Replication (monitored)</b>		
MS-AD-Replication <sup>1</sup>	LZ+TFO+DRE	UUID:e3514235-4b06-11d1-ab04-00c04fc2dcd2
MS-Content-Replication-Service	TFO	560, 507
MS-FRS <sup>1</sup>	LZ+TFO+DRE	UUID:f5cc59b4-4264-101a-8c59-08002b2f8426
Netapp-SnapMirror	LZ+TFO+DRE	10566
Remote-Replication-Agent	TFO	5678
Rsync	TFO	873
<b>SQL (monitored)</b>		
Borland-Interbase	LZ+TFO+DRE	3050
IBM-DB2	LZ+TFO+DRE	523

**Table A-1** Default Traffic Policies (continued)

<b>Classifier</b>	<b>WAAS Action</b>	<b>Destination Ports</b>
InterSystems-Cache	LZ+TFO+DRE	1972
MS-SQL	LZ+TFO+DRE	1433
MS-SQL-RPC <sup>1</sup>	LZ+TFO+DRE	UUID:3f99b900-4d87-101b-99b7-aa0004007f07
MySQL	LZ+TFO+DRE	3306
Oracle	LZ+TFO+DRE	66, 1525, 1521
Pervasive-SQL	LZ+TFO+DRE	1583
PostgreSQL	LZ+TFO+DRE	5432
Scalable-SQL	LZ+TFO+DRE	3352
SQL-Service	LZ+TFO+DRE	156
Sybase-SQL	LZ+TFO+DRE	1498, 2638, 2439, 3968
UniSQL	LZ+TFO+DRE	1978, 1979
<b>SSH</b>		
SSH	TFO	22
<b>Storage (monitored)</b>		
FCIP	LZ+TFO+DRE	3225
iFCP	LZ+TFO+DRE	3420
iSCSI	LZ+TFO+DRE	3260
<b>Streaming (monitored)</b>		
Liquid-Audio	LZ+TFO+DRE	18888
MS-NetShow	LZ+TFO+DRE	1755
RTSP	LZ+TFO+DRE	554, 8554
VDOLive	LZ+TFO+DRE	7000
<b>Systems-Management (monitored)</b>		
BMC-Patrol	Passthrough	6161, 6162, 8160, 8161, 6767, 6768, 10128
HP-OpenView	Passthrough	7426–7431, 7501, 7510
HP-Radia	LZ+TFO+DRE	3460, 3461, 3464, 3466
IBM-NetView	Passthrough	729–731
IBM-Tivoli	LZ+TFO+DRE	94, 627, 1965, 1500, 1580, 1581
LANDesk	LZ+TFO+DRE	9535, 9593–9595
NetIQ	Passthrough	2220, 2735, 10113–10116
Netopia-netOctopus	Passthrough	1917, 1921
Novell-ZenWorks	LZ+TFO+DRE	1761–1763, 517, 2544, 8039, 2037, 2638
WBEM	Passthrough	5987, 5988
<b>Version Management (monitored)</b>		
Clearcase	LZ+TFO+DRE	371

**Table A-1** *Default Traffic Policies (continued)*

<b>Classifier</b>	<b>WAAS Action</b>	<b>Destination Ports</b>
CVS	LZ+TFO+DRE	2401
<b>VPN</b>		
L2TP	TFO	1701
OpenVPN	TFO	1194
PPTP	TFO	1723
<b>WAFS (monitored)</b>		
WAFS	LZ+TFO+DRE	139, 145
<b>Web (monitored)</b>		
HTTP	LZ+TFO+DRE	80, 8080, 8000, 8001, 3128
HTTPS	TFO	443

1. These classifiers use the EPM service in WAAS to accelerate traffic. EPM-based applications do not have predefined ports so the application's UUID must be used to identify the traffic.
2. These classifiers identify the source port instead of the destination port.

