Lotus Protector for Mail Security v2.5.1 Firewall Port Requirements
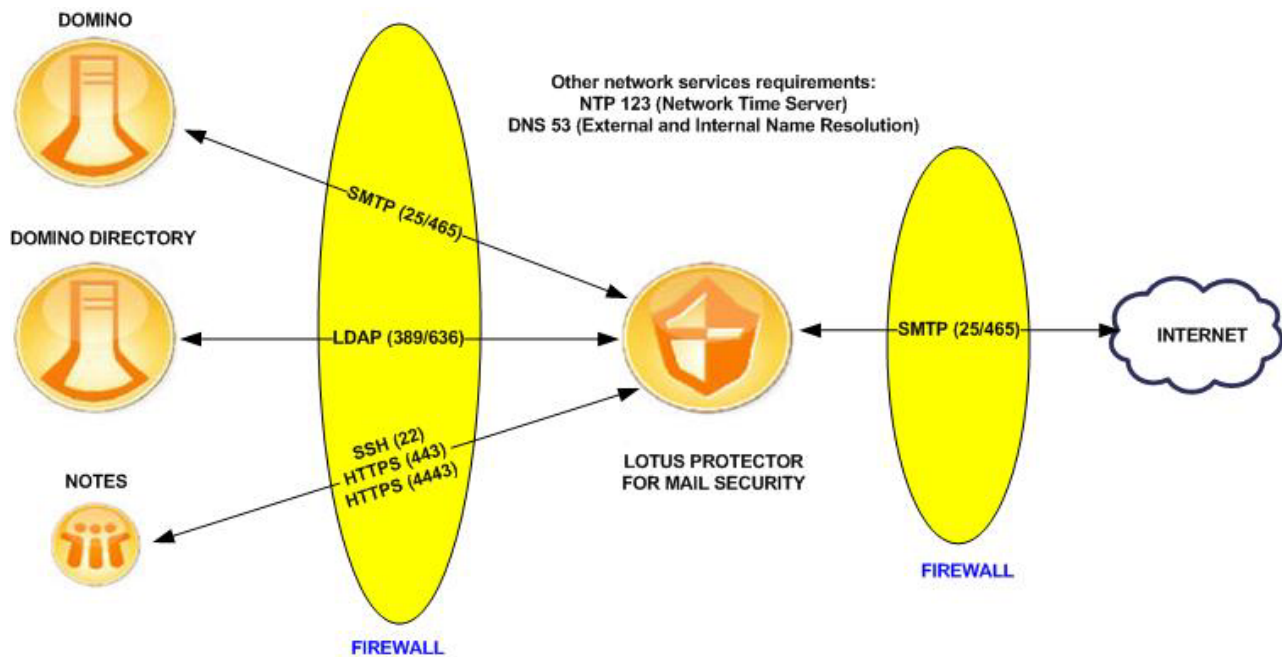
IBM

About this information

This document explains which firewall outbound and inbound ports you use with Lotus Protector for Mail Security, and is intended for network, security, or firewall administrators.

How to set up the firewall

This graphic shows how you set up the firewall and which network services you use to operate Lotus Protector for Mail Security.

OUTSIDE THE NETWORK

OUTBOUND PORTS: 25, 53*, 123*, 443, 465
SOURCE: ETH1
DESTINATION: OUTSIDE

INBOUND PORTS: 25, 465
SOURCE: OUTSIDE
DESTINATION: ETH1

INSIDE THE NETWORK

INBOUND PORTS: 22, 25, 161, 443, 465, 4443
SOURCE: INSIDE
DESTINATION: ETH1

OUTBOUND PORTS: 21, 25, 53*, 123*, 389, 465, 636
SOURCE: ETH1
DESTINATION: INSIDE

*Can be served from either Outside or Inside the network. If external DNS servers are used, you must set up FQDNs of internal hosts externally.

Required ports

Port number	Protocol or service name	Protocol or service description
25	SMTP (Simple Mail Transfer Protocol)	Used for sending and receiving email
53	DNS (Domain Name Service)	Host name resolution to IP addresses
123	NTP (Network Time Protocol)	Used for synchronizing the system clock with an external time server
389	LDAP (Lightweight Directory Access Protocol)	Used for accessing Domino Directory or Active Directory. LDAP pulls SMTP addresses for recipient verification and for Group/User integration with the rules engine. LDAP is also used for authentication access to the End User interface.
443	HTTPS (HyperText Transfer Protocol, Secure)	Used as the Primary Management Interface and for downloading content filter updates
4443	HTTPS (HyperText Transfer Protocol, Secure)	Primary user access to a web interface where recipients of email messages can release quarantined email messages from message storages and manage their block lists and allow lists.

Optional ports

Port number	Protocol or service name	Protocol or service description
21	FTP (File Transfer Protocol)	Used for transmitting backup archives to other servers
22	SSH (Secure Shell)	(Not required unless otherwise directed by IBM Lotus Support) Used for remote administrative access to the appliance console
161	SNMP (Simple Network Management Protocol)	Used by network management applications to query the health and activities of the server software and the hardware on which it is installed
465	SMTP (Simple Mail Transfer Protocol, Secure)	Secure email transfer protocol
636	LDAPS (Lightweight Directory Access Protocol, Secure)	Secure directory access protocol

Cluster communications

Port number	Protocol or service name	Protocol or service description
4990	Custom Port (Cluster Communication)	Optional: Enables the clients of a Mail Security cluster to access the database of the central appliance.
5432	Custom Port (Database Access)	Optional: Enables the members of a Mail Security cluster to communicate with the host.