Email Security ports and services

Reference Guide

September 2016

In addition to SMTP, SonicWALL™ Email Security uses several other standard protocols for management, communication and updates. Depending on the network configuration and placement of Email Security and other required services, some or all of these protocols require corresponding ports to be opened in a company firewall. In many instances, the administrator needs to specify whether these are TCP ports or UDP ports.

The following tables detail the standard services used by Email Security in either All-In-One or Split Mode. Due to various configurations and the ability to change the ports, this information is provided as a guideline only. It may need to be customized depending on how and where Email Security is deployed. For more information see the Ports and Services used by Email Security (SW4269) at https://support.software.dell.com/kb/sw4269.

All-in-one

Service	Port	Origin of request	Function or site being requested	Notes
SMTP	25/tcp	Any/WAN	EMAIL SECURITY	Inbound path
		EMAIL SECURITY	Mail server	Inbound path
		Mail Server	EMAIL SECURITY	Outbound path
		EMAIL SECURITY	Any/WAN	Outbound path
DNS	53/udp 53/tcp	EMAIL SECURITY	DNS server	Domain name lookup
LDAP	389/tcp Or 3268/tcp	EMAIL SECURITY	LDAP/AD server	Users and groups, global catalog **NOTE:** Port 389/tcp is defined as the port for querying one's local directory service. Port 3268/tcp is defined as the port for querying a corporation's global directory service. The choice as to which one is appropriate depends on corporate policy.
	636/tcp	EMAIL SECURITY	AD server	Optional service: secure LDAP query
HTTP	80/tcp 443 /tcp	Any/LAN	EMAIL SECURITY	Web Access/administration
	80/tcp 443 /tcp	EMAIL SECURITY	tp.global.es.sonicwall.com	Updates
		EMAIL SECURITY	feature.es.global.sonicwall.com	Updates
		EMAIL SECURITY	rbl.global.es.sonicwall.com	Updates
		EMAIL SECURITY	av-updates.es.global.sonicwall.com	Updates

Service	Port	Origin of request	Function or site being requested	Notes
		EMAIL SECURITY	av-updates.mailfrontier.net	Updates (McAfee DAT Downloads)
		EMAIL SECURITY	kas-av-updates.mailfrontier.net	Updates (Kaspersky DAT Downloads)
		EMAIL SECURITY	av.es.global.sonicwall.com	Updates (Cyren DAT downloads)
		EMAIL SECURITY	dynamicupdates.es.global.sonicwall.com	Updates (DSE)
		EMAIL SECURITY	config.mailfrontier.net	Updates (DCUpdateJob)
		EMAIL SECURITY	options.mailfrontier.net	Updates (SSH access)
		EMAIL SECURITY	plugindefault.es.global.sonicwall.com	Updates (Rules)
		EMAIL SECURITY	eg-report.es.global.sonicwall.com	Updates (Smartnet logs destination)
		EMAIL SECURITY	eg-update.es.global.sonicwall.com	Updates (TP update)
		EMAIL SECURITY	gateway-init.es.global.sonicwall.com	Updates (database)
HTTPS	443 tcp	Any/LAN	EMAIL SECURITY	Secure web access
NTP	123/udp	EMAIL SECURITY	Time server	Keeps appliance clocks synchronized
SSH	22/tcp	LAN	EMAIL SECURITY	Command line administration
CIFS	137/udp 137/tcp 138/udp 139/tcp 445/tcp	EMAIL SECURITY	LAN file server or NAS	Optional remote storage
FTP	21	EMAIL SECURITY	FTP server	Optional service: scheduled backup for settings

Split Mode

Service	Port	Origin of request	Function or site being requested	Notes
SMTP	25/tcp	Any/WAN	RA	Inbound path
		RA	Mail server	Inbound path
		Mail Server	RA	Outbound path
		RA	Any/WAN	Outbound path
DNS	53/udp 53/tcp	CC/RA	DNS server	Domain name lookup
LDAP	389/tcp Or 3268/tcp	CC	LDAP/AD server	Users and groups **NOTE:** Port 389/tcp is defined as the port for querying one's local directory service. Port 3268/tcp is defined as the port for querying a corporation's global directory service. The choice as to which one is appropriate depends on corporate policy.
	636/tcp	EMAIL SECURITY	AD server	Optional service: secure LDAP query
HTTP	80/tcp 443/tcp	Any/LAN	CC/RA	Web access/administration
	80/tcp 443/tcp	CC/RA	tp.es.global.sonicwall.com	Updates
			feature.es.global.sonicwall.com	Updates
			rbl.es.global.sonicwall.com	Updates
			av-updates.es.global.sonicwall.com	Updates
			av-updates.mailfrontier.net	Updates (McAfee DAT Downloads)
			kas-av-updates.mailfrontier.net	Updates (Kaspersky DAT Downloads)
			av.es.global.sonicwall.com	Updates (Cyren DAT downloads)
			dynamicupdates.es.global.sonicwall.com	Updates (DSE)
			config.mailfrontier.net	Updates (DCUpdateJob)
			options.mailfrontier.net	Updates (SSH access)
			plugindefault.es.global.sonicwall.com	Updates (rules)
			eg-report.es.global.sonicwall.com	Updates (Smartnet logs destination)
			eg-update.es.global.sonicwall.com	Updates (TP update)

Service	Port	Origin of request	Function or site being requested	Notes
			gateway-init.es.global.sonicwall.com	Updates (database)
HTTPS	443/tcp	Any/LAN	EMAIL SECURITY	Secure web access
Replication	2599	RA	CC	Junk/log replication
	80/tcp 443/tcp	CC	RA	Configuration replication
NTP	123/udp	EMAIL SECURITY	Time server	Keeps appliance clocks synchronized
SSH	22/tcp	LAN	EMAIL SECURITY	Command line administration
CIFS	137/udp 137/tcp 138/udp 139/tcp 445/tcp	EMAIL SECURITY	LAN file server or NAS	Optional remote storage
FTP	21	EMAIL SECURITY	FTP server	Optional service: scheduled backup for settings

Appliance and software requirements

This reference guide applies to all appliance versions and all software versions.

Keywords

Ports services firewall

About Dell™

Dell listens to customers and delivers worldwide innovative technology, business solutions and services they trust and value. For more information, visit http://www.software.dell.com.

Contacting Dell

For sales or other inquiries, visit http://software.dell.com/company/contact-us.aspx or call 1-949-754-8000.

Technical support resources

Technical support is available to customers who have purchased Dell software with a valid maintenance contract and to customers who have trial versions. To access the Support Portal, go to http://support.software.dell.com.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. In addition, the Support Portal provides direct access to product support engineers through an online Service Request system.

The Support Portal enables you to:

- Create, update, and manage Service Requests (cases)
- View Knowledge Base articles
- Obtain product notifications
- Download software. For trial software, go to http://software.dell.com/trials.
- View how-to videos
- Engage in community discussions
- Chat with a support engineer

Copyright © 2016 Dell Inc. All rights reserved.

This product is protected by U.S. and international copyright and intellectual property laws. Dell, the Dell logo and SonicWALL are trademarks of Dell Inc. in the United States and/or other jurisdictions. All other marks and names mentioned herein may be trademarks of their respective companies.

For more information, go to http://software.dell.com/legal/

Legend

CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.

WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death.

IMPORTANT, **NOTE**, **TIP**, **MOBILE**, or **VIDEO:** An information icon indicates supporting information.

Last updated: 9/19/2016

232-003207-00 Rev A