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Sophos WS100 Web Appliance Setup Guide

1. Preparation
2. Rack Installation
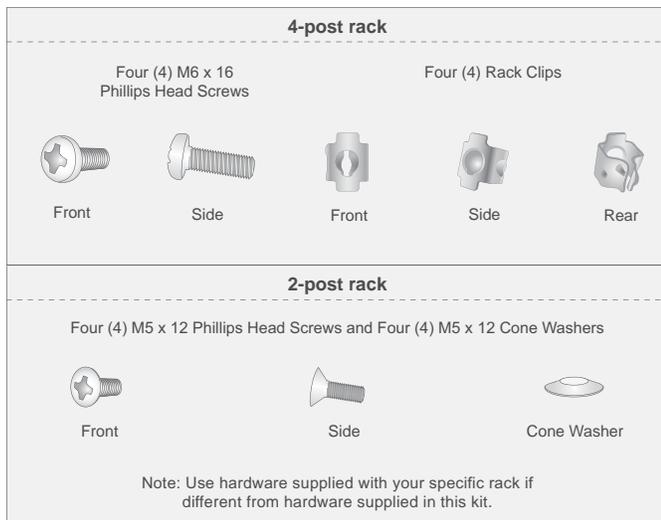3. Cabling the Appliance
4. Software/Network Setup

Please read before proceeding

- This appliance is intended for installation in restricted areas only. Initial setup and maintenance should be performed by qualified personnel.

- Required operating conditions for the appliance are - Temperature: 10 to 35°C. Humidity, non-condensing: 8 to 90%.

- Install and operate the appliance in a compatible rack only. Any other type of installation or use is not supported.

- To prevent the unit from overheating, never install the appliance in an enclosed rack or a room that is not properly ventilated or cooled. For proper airflow, keep the front and back sides of the appliance clear of obstructions and away from the exhaust of other equipment.

- Electrostatic Discharge (ESD) precautions are required before handling the appliance. Wear a wrist strap with an appropriate ground connection.

- Power down the appliance by pressing the power button. The appliance will safely shut down its software and the fans will stop. Remove the power cord before servicing the unit.

- Do not use mats designed to decrease static electrical discharge as protection from electrical shock. Use only mats that have been specifically designed as electrical insulators.

- Failure to properly ground the appliance, either by circumventing the 3-wire grounding-type plug or by using a power outlet that is improperly grounded, can create a potentially hazardous electrical situation.

1. Preparation

Unpacking the Appliance

Ensure that the ship kit includes a power cord, the screws and the rack clips (shown below) that you will need to install the appliance in your rack, and the 4-post and/or 2-post rack bracket assemblies.

4-post rack				
Four (4) M6 x 16 Phillips Head Screws			Four (4) Rack Clips	
Front	Side	Front	Side	Rear
2-post rack				
Four (4) M5 x 12 Phillips Head Screws and Four (4) M5 x 12 Cone Washers				
Front		Side		Cone Washer

Note: Use hardware supplied with your specific rack if different from hardware supplied in this kit.

Setup location

Make sure you have a laptop or PC that can later be connected to the rear of the appliance to complete the configuration.

- Choose a setup location with proper temperature control and adequate floor loading capacity for the current installation and for future growth.

- Install in or near appropriate AC outlets and Ethernet hubs or individual jacks (10/100 Base-T cables cannot be longer than 100 meters).

- Leave enough clearance, 65 cm (25 inches) in the front, and 75 cm (30 inches) in the back of the rack to provide access to appliance components and allow for sufficient airflow.

Rack and Appliance precautions

- ALL RACKS MUST BE MOUNTED SECURELY. Ensure that all leveling jacks or stabilizers are properly attached to the rack. If installing multiple appliances in a rack, make sure the overall loading for each branch circuit does not exceed the rated capacity.

- Do not slide more than one appliance out from the rack at a time. Extending more than one appliance at a time may result in the rack becoming unstable. Install your appliance in the lower part of the rack for improved weight distribution and easier access to appliance components.

- Allow the hot plug hard drives and power supply units to cool before touching them.

- Always keep the rack's front door and all panels and components on the appliances closed when not servicing to maintain proper cooling.
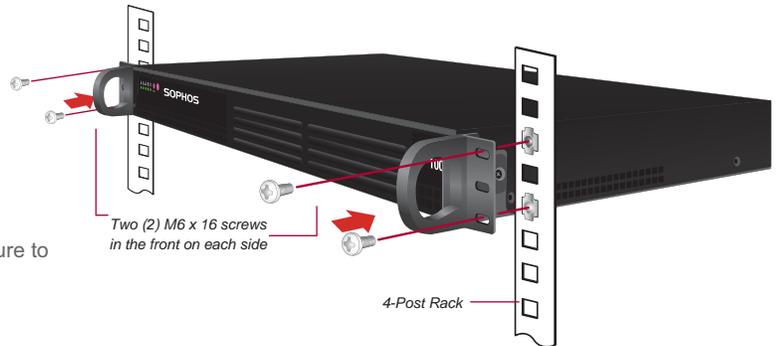
2a. 4-Post Rack Installation

Step 1

• Install two rack clips into the top and bottom of three holes on each side on the rack as shown. The tabs on each should be on the top and bottom to help stabilize them in the holes. No tools are needed to install the clips. Firmly press into place.

• Ensure clips are level in height on the left and right sides to ensure proper alignment, and allow accurate appliance installation.

4-Post Rack

Install two rack clips in the top and bottom of three holes

Leave middle hole empty

4-Post Rack
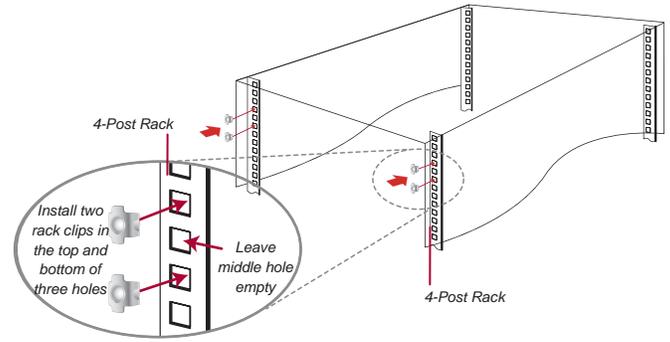
Step 2

• Install the appliance in the rack as shown by inserting one M6 x 16 screw the top and bottom holes in the tabs on each side onto the rack clips.

• NOTE: refer to your rack's mounting documentation for the proper size and type of screws to secure the appliance in the rack.

• Tighten each screw to secure the appliance in the rack.

• When installing the appliance or removing it from the rack, make sure to support the unit at all times.

Two (2) M6 x 16 screws in the front on each side

4-Post Rack
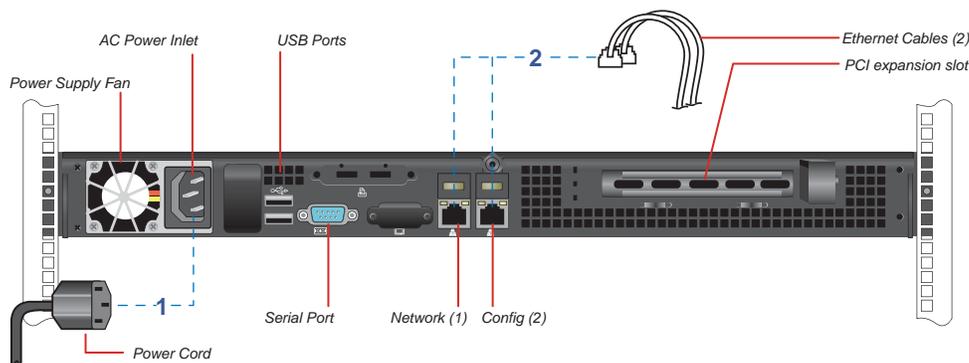
2b. 2-Post Rack Installation

Step 1

• Install the appliance in the 2-post rack as shown. Insert one M5 x 12 screw and one M5 x 12 cone washer through the top and bottom holes in the tabs on each side into the threaded holes in the rack.

• NOTE: Refer to your rack's mounting documentation for the proper size and type of screws to secure the appliance to the rack.

• Tighten each screw to secure the appliance in the rack.

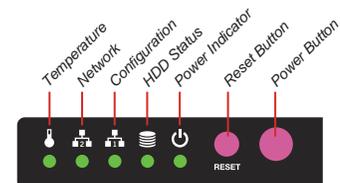• When installing the appliance or removing it from the rack, make sure to support the unit at all times.

*Two (2) M5 x 12 flat head screws and two cone washers on each side**

2-Post Rack
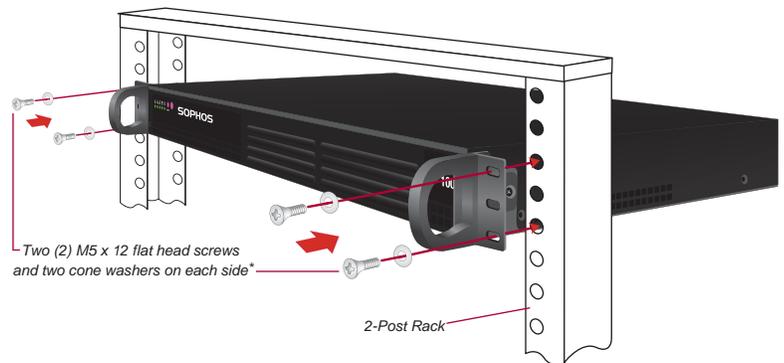
3. Cabling the Appliance

Rear Panel Connections

Power Supply Fan

AC Power Inlet

USB Ports

2

Ethernet Cables (2)

PCI expansion slot

1. Connect the power cord
2. Connect the network (1) to your LAN.
3. Temporarily connect the Config (2) to your laptop using either an Ethernet cable or a crossover network cable.
4. Power on the appliance. The power button is the furthest to the right on the front panel.

1

Power Cord

Serial Port

Network (1)

Config (2)

Temperature *Network* *Configuration* *HDD Status* *Power Indicator* *Reset Button* *Power Button*

RESET

4. Software/Network setup

Step 1 - Configure port access

Do not interrupt the installer once it begins. Doing so can damage the system to a point that it may require return to the factory to be re-imaged.

This Sophos Appliance uses specific ports for internal and external connections.On your organization's firewall, configure the port access for the Sophos Appliance.

External connections

Port	Function	Service	Conn.	Purpose
22	Remote assistance	SSH	TCP	Appliance to sophos.com
22	Central configuration, status and reporting (if not acollocated)	SSH	TCP	Web Appliance to Management Appliance
25	Remote assistance notification	SMTP	TCP	Appliance to sophos.com
80	Outbound network web traffic	HTTP	TCP	Appliance to internet
123	Network time synchronization	NTP	UDP	Appliance to internet
443	Outbound network web traffic	HTTPS	TCP	Appliance to internet

Internal connections

Port	Function	Service	Conn.	Purpose
21	Backups using passive FTP (if collocated)	FTP	TCP	Appliance to FTP
22	Central configuration, status and reporting (if collocated)	SSH	TCP	Web Appliance to Management Appliance
53	DNS queries	DNS	UDP	Appliance to LAN
80	Administration Web Interface	HTTP	TCP	LAN to Appliance
88	Kerberos authentication	KERBEROS	TCP/UDP	Bidirectional between appliance and AD server
139	MS NetBIOS session	NETBIOS-SSN	TCP/UDP	Appliance to AD server
389	Directory services synchronization	LDAP	TCP/UDP	Bidirectional between appliance and AD server
443	Administration Web Interface	HTTPS	TCP	LAN to appliance
445	MS server message block	SMB	TCP/UDP	Appliance to AD server
636	LDAP synchronization	LDAPS	TCP	Appliance to eDirectory server
3268	MS AD Global catalog synchronization	MSGC	TTCP/UDP	Bidirectional between appliance and AD server
8080	Proxy (end user web browsing)	HTTP/HTTPS	TCP	LAN to appliance

Step 2 - Configure the Sophos Appliance

To configure the Appliance you will need the following:	
✔	Activation/registration code from Sophos
✔	IP address, network mask and fully qualified domain name for the appliance
✔	Default gateway IP address
✔	DNS servers IP address

To launch the Sophos Appliance configuration wizard:

• On your laptop or PC, set the subnet mask to **255.255.255.0** and the IP address to **172.24.24.1**

• Using a supported browser, connect to **https://172.24.24.173**. You may need to add this address to your browser's Trusted Sites. When prompted, accept the certificate.

• Disconnect your laptop from the Config (2) port. Do not connect the Config (2) port to your LAN.

• If you opt to deploy the Web Appliance as a bridging proxy (optional), you must disconnect your firewall from the LAN and connect it to the "WAN" connector port on the rear of the appliance.

You can view the online documentation at http://wsa.sophos.com/docs/wsa