v7.8.4 Release Notes for Websense X-Series Appliances

Use these Release Notes to learn about what has changed in version 7.8.4 of the X-Series Appliance.

In this release, Websense X-Series appliances can host:

- TRITON Web Security Gateway
- TRITON Web Security Gateway Anywhere
- *New:* TRITON Email Security Gateway
- *New:* TRITON Web Security Gateway Anywhere

See, also, these supporting documents:

- Quick Start poster
- Getting Started guide
- X10G Switch Configuration guide
- Using the X-Series Command Line Interface (CLI)

New in X-Series v7.8.4

- Support for *Email Security Gateway / Anywhere* on an X10G blade server
- Support for *VLAN and High Availability (HA)* at the chassis switch
- Easier X10G switch configuration with the *Switch Tool*
- *Switch Configuration guide*
- *Enhancements to the CLI*

Email Security Gateway / Anywhere

X10G security blades can now host Email Security Gateway and Email Security Gateway Anywhere.

An X10G chassis can host a mix of Web security and Email security blades.

Email Security Gateway / Anywhere is installed on the blade when the Email mode is selected in the 'firstboot' script (the last phase of the initial boot procedure).

Like Web security modules, Email security blade administration is performed using a command line interface (CLI). Most CLI commands are in common with Web security commands. However, a small set apply to Email only. See the Using the X-Series Command Line Interface (CLI).

As on a V-Series Email Security appliance, there is support for:

- Custom routes
- Virtual IP addresses
- Backup and restore
- Patches and hotfixes

See the Email Security Gateway Release Notes.

Network deployment and switch configuration options

- Support is added for VLAN networks
- High availability (HA) is enabled when VLAN is configured.
- A Websense-provided, Windows-based switch configuration tool simplifies chassis switch configuration.
- A Switch Configuration guide provides detailed information for both new users and upgrading users.

VLAN and High Availability (HA)

The X10G integrated 10G switches (A1 and A2) can now be configured to support VLAN with high availability.

- HA requires VLAN
- HA uses switch A2 as a hot standby
- HA does not have to be configured and used

Support for VLAN/HA requires:

- An external upstream switch with a 10G trunk port configured
- A 10G cable to the lower 10G port on the A1 switch, This port is labeled P1. It is the primary port and it handles all traffic.
- Configuration of the A1 and A2 switches. This should be done with the Websense switch configuration tool.
- Configuration of VLAN on the blades

Switch configuration, whether for VLAN/HA, or for non-VLAN networks, is simplified with the Windows-based switch configuration tool. For complete details, see the Switch Configuration guide.

Switch Tool

The switch configuration tool is a Windows-based application provided by Websense, used to configure the X10G integrated switches. The tool configures the switch to support either VLAN with HA, or no VLAN (VLAN-unaware) deployments.

If you are upgrading from an earlier version of Web Security Gateway / Anywhere, and you do not plan to make any changes to your network deployment, you do not need the switch configuration tool.

If you are deploying the X10G for the first time, or plan to enable VLAN support, you will need to use the switch tool to configure the X10G switches.

For complete information, including how to download and use the tool, see the Switch Configuration guide.

Upgrading users, see these X-Series upgrade instructions.

Switch Configuration guide

The Switch Configuration guide is a complete resource for switch deployment planning and switch configuration information. Topics include:

- Switch physical specifications and default configuration
- How to assign an IP address to, and access a switch
- How to configure VLAN with high availability, including correct cabling
- How to configure No VLAN (VLAN-unaware), including correct cabling

◆ How to use the switch configuration tool

Enhancements to the CLI

The V-Series command line interface (CLI) is expanded to support:

◆ VLAN assignment on the blade Ethernet interface (set interface)

◆ Display of more complete interface status (show interface)

◆ Display of hotfix status (show hotfix)

◆ Email Security Gateway functions, including:

  ▪ Start, stop, restart, and show status and version

  ▪ Setting of virtual IP addresses (set interface)

  ▪ Setting of routes

Most CLI commands apply to Email module functions. See Using the X-Series Command Line Interface (CLI).

Installation and upgrade

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New X-Series appliances are delivered pre-loaded with the software needed for provisioning via the **firstboot** script.

The Quick Start poster, Getting Started guide, and Switch Configuration guide are your comprehensive resources for installing the physical unit, running **firstboot**, and completing initial configuration.

Upgrading

A comprehensive, step-by-step is available to guide you through upgrading from v7.8.2 or v7.8.3. See these X-Series upgrade instructions.

When planning your upgrade consider:

◆ In all cases the upgrade order is:

  a. The full policy source server

  b. User directory and filtering (policy lite) security blades, and non-appliance servers that host Policy Server

  c. Filtering only security blades

◆ If you are currently using link aggregation and plan to enable VLAN support after upgrade, you must disable link aggregation before enabling VLAN support.

- If you plan to enable VLAN support, you will have to update the configuration of switches A1 and A2. Use the switch configuration tool provided for that purpose. See Switch Configuration guide.

- You can download the upgrade patch files directly to each security blade. Or, you can download the patch files from mywebsense.com to a remote filestore, and then upload the files from the filestore to each blade.

Downloading the TRITON Unified Installer or the Web Security Linux installer

The TRITON console, reporting components, and other support components are installed off of the appliance, on separate servers.

To download the TRITON Unified Installer or the Web Security Linux installer:

1. Go to mywebsense.com and log in to your account.

   You are taken to the My Products and Subscriptions page.

2. Click the **Downloads** tab.

3. Under Download Product Installers, select the **Product** and **Version** that you want to install or upgrade to (**7.8.4**).

   The available installers are listed in the form.

4. Click the plus sign ("+") next to an installer entry for more information about the installer.

Click the **download** link to download the installer.

Operating tips

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Interface setup tip

If the P2 interface is used and it is in the same subnet as P1, the default gateway is automatically assigned to P2, which is bound to eth1. You should perform a test to ensure that outbound packets can reach the Internet.

Avoiding port conflicts

See the ports list for a table of the Websense software module versions that are compatible with each appliance version.

Check the ports article to avoid port conflicts if you plan to make a change from a default port.

For example, if you want to use an HTTP proxy server port that is different from the default port (8080), be sure to check the ports list first, to avoid conflict with ports already in use by the X-Series.

Web security deployment tips

Policy source tips

- When Policy Broker is run on a X-Series appliance (configured as the *full policy source*), all Policy Server instances that point to that Policy Broker must be installed on X-Series appliances (configured as *user directory and filtering appliances*). You cannot install and run Policy Servers on off-box machines and point them to a Policy Broker that runs on an appliance. This configuration is not supported.
- You can run Policy Server on multiple appliances (configured in user directory and filtering mode) and point these appliances to a Policy Broker running either on or off an appliance.
- Policy Broker replication is not supported when Policy Broker resides on an appliance. If you plan to enable Policy Broker replication, be sure that your policy source is not an appliance.

Subscription key tip

- In a deployment with multiple Policy Server appliances, use the Web Security Gateway Anywhere subscription key for the policy source appliance (the Policy Server that connects to Sync Service), and use a Web Security Gateway subscription key for all other appliances. Otherwise, you receive superfluous alerts from the hybrid service.

Integrated Windows Authentication (IWA) tip

- When Content Gateway Integrated Windows Authentication (IWA) is configured, if the appliance hostname is changed, IWA will immediately stop working. To repair the IWA configuration, log onto the Content Gateway manager, unjoin the stale domain and join the domain with the new hostname.

Backup and restore tips

- When configuring scheduled backups to a remote storage location (FTP or Samba share), make sure that the account used for backup file creation has read and write permissions.

◆ In a multiple Web security blade deployment, after restoring the configuration of a policy source security blade, restart any filtering only or user directory and filtering security blades in your network to ensure that user requests are managed correctly.

Resolved and known issues

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A list of known issues in this release is available to customers with a current MyWebsense account.

If you are not currently logged in to MyWebsense, the above link takes you to a login prompt. Log in to view the list.