Fireware v11.10.6 Release Notes

Supported Devices	Firebox M4600, Firebox M5600
Release Date	18 February 2016
Release Notes Revision Date	18 February 2016
Fireware OS Build	All Firebox M4600 and M5600 devices ship with Fireware v11.10.6 pre-installed. No updates are available at this time.
WatchGuard System Manager Build	496305
WatchGuard AP Device Firmware	For AP 100, 102, 200: Build 1.2.9.6 (151211) For AP 300: Build 2.0.0.1 (151216)

Introduction

WatchGuard is pleased to announce the release of the new Firebox M4600 and Firebox M5600, exciting new upgrades to the WatchGuard product line. These new appliances represent a significant upgrade to the XTM 800/1500/2500 devices they are designed to replace, including increased performance and the ability to add network interface modules.

These new Firebox models are manufactured with Fireware v11.10.6. Fireware v11.10.6 is functionally equivalent to Fireware v11.10.5, but is necessary to accommodate the new hardware. If you use WatchGuard System Manager (WSM) to manage your Firebox, you must use WSM v11.10.6. You can also use WSM v11.10.6 to manage other Firebox models, even if they use a lower version of Fireware.

To set up your new Firebox, make sure to use the instructions in the Quick Start Guide, because there are important differences in the default interface configuration on Firebox M5600 devices. For more information on how to add network interface modules to your new Firebox, see the Hardware Guide.

Important Information about Firebox Certificates

SHA-1 is being deprecated by many popular web browsers, and WatchGuard recommends that you now use SHA-256 certificates. Because of this, we have upgraded our default Firebox certificates. Starting with Fireware v11.10.4, all newly generated default Firebox certificates use a 2048-bit key length. In addition, newly generated default Proxy Server and Proxy Authority certificates use SHA-256 for their signature hash algorithm. Starting with Fireware v11.10.5, all newly generated default Firebox certificates use SHA-256 for their signature hash algorithm. New CSRs created from the Firebox also use SHA-256 for their signature hash algorithm.

Default certificates are not automatically upgraded after you install Fireware v11.10.5 or higher.

To regenerate any default Firebox certificates, delete the certificate and reboot the Firebox. If you want to regenerate default certificates without a reboot, you can use the CLI commands described in the next section. Before you regenerate the Proxy Server or Proxy Authority certification, there are some important things to know.

The Proxy Server certificate is used for inbound HTTPS with content inspection and SMTP with TLS inspection. The Proxy Authority certificate is used for outbound HTTPS with content inspection. The two certificates are linked because the default Proxy Server certificate is signed by the default Proxy Authority certificate. If you use the CLI to regenerate these certificates, after you upgrade, you must redistribute the new Proxy Authority certificate to your clients or users will receive web browser warnings when they browse HTTPS sites, if content inspection is enabled.

Also, if you use a third-party Proxy Server or Proxy Authority certificate:

- The CLI command will not work unless you first delete either the Proxy Server or Proxy Authority certificate. The CLI command will regenerate both the Proxy Server and Proxy Authority default certificates.
- If you originally used a third-party tool to create the CSR, you can simply re-import your existing third-party certificate and private key.
- If you originally created your CSR from the Firebox, you must create a new CSR to be signed, and then import a new third-party certificate.

CLI Commands to Regenerate Default Firebox Certificates

To regenerate any default Firebox certificates, delete the certificate and reboot the Firebox. If you want to regenerate default certificates without a reboot, you can use these CLI commands:

- To upgrade the default Proxy Authority and Proxy Server certificates for use with HTTPS content inspection, you can use the CLI command: `upgrade certificate proxy`
- To upgrade the Firebox web server certificate, use the CLI command: `upgrade certificate web`
- To upgrade the SSLVPN certificate, use the CLI command: `upgrade certificate sslvpn`
- To upgrade the 802.1x certificate, use the CLI command: `upgrade certificate 8021x`

For more information about the CLI, see the Command Line Interface Reference.

Before You Begin

Before you can use your new Firebox, you must have:

- The required hardware and software components as shown below. If you use WatchGuard System Manager (WSM), make sure your WSM version is equal to or higher than the version of Fireware OS installed on your Firebox and the version of WSM installed on your Management Server.
- Feature key for your Firebox — If you upgrade your device from an earlier version of Fireware OS, you can use your existing feature key. If you do not have a feature key for your device, you can log in to the WatchGuard website to download it.

Note that you can install and use WatchGuard System Manager v11.10.6 and all WSM server components with devices running earlier versions of Fireware v11. In this case, we recommend that you use the product documentation that matches your Fireware OS version.

If you have a new Firebox, make sure you use the instructions in the *Quick Start Guide* that shipped with your device. We also recommend that you review the Hardware Guide for your Firebox. The *Hardware Guide* contains useful information about your device interfaces, as well as information on resetting your device to factory default settings, if necessary.

Product documentation for all WatchGuard products is available on the WatchGuard web site at www.watchguard.com/help/documentation. There are no updates to Fireware Help for this release.

Localization

This release includes localized management user interfaces (WSM application suite and Web UI) current as of Fireware v11.10.2. UI changes introduced since v11.10.2 may remain in English. Supported languages are:

- French (France)
- Japanese
- Spanish (Latin American)

Note that most data input must still be made using standard ASCII characters. You can use non-ASCII characters in some areas of the UI, including:

- Proxy deny message
- Wireless hotspot title, terms and conditions, and message
- WatchGuard Server Center users, groups, and role names

Any data returned from the device operating system (e.g. log data) is displayed in English only. Additionally, all items in the Web UI System Status menu and any software components provided by third-party companies remain in English.

Fireware Web UI

The Web UI will launch in the language you have set in your web browser by default.

WatchGuard System Manager

When you install WSM, you can choose what language packs you want to install. The language displayed in WSM will match the language you select in your Microsoft Windows environment. For example, if you use Windows 7 and want to use WSM in Japanese, go to Control Panel > Regions and Languages and select Japanese on the Keyboards and Languages tab as your Display Language.

Dimension, WebCenter, Quarantine Web UI, and Wireless Hotspot

These web pages automatically display in whatever language preference you have set in your web browser.

Fireware and WSM v11.10.6 Operating System Compatibility

Last revised: 6 January 2016

WSM/ Fireware Component	Microsoft Windows 7, 8, 8.1, 10 (32-bit & 64-bit)	Microsoft Windows Server 2008 & 2008 R2	Microsoft Windows Server 2012 & 2012 R2 (64-bit)	Mac OS X v10.9, v10.10, v10.11	Android 4.x & 5.x	iOS v7, v8, & v9
WatchGuard System Manager	✓	✓	✓			
WatchGuard Servers *For information on WatchGuard Dimension, see the [Dimension Release Notes](#).*	✓	✓	✓			
Single Sign-On Agent (Includes Event Log Monitor)		✓	✓			
Single Sign-On Client	✓	✓	✓	✓		
Single Sign-On Exchange Monitor[1]		✓	✓			
Terminal Services Agent[2]		✓	✓			
Mobile VPN with IPSec	✓			✓[3]	✓	✓[3]
Mobile VPN with SSL	✓			✓	✓	✓

Notes about Microsoft Windows support:

- *For Microsoft Windows Server 2008, we support both 32-bit and 64-bit support. For Windows Server 2008 R2, we support 64-bit only.*
- *Windows 8.x support does not include Windows RT.*
- *Windows Exchange Server 2013 is supported if you install Windows Sever 2012 or 2012 R2 and .Net framework 3.5.*

The following browsers are supported for both Fireware Web UI and WebCenter (Javascript required):

- *IE 9 and later*
- *Microsoft Edge*
- *Firefox v22 and later*
- *Safari 6 and later*
- *Safari iOS 6 and later*
- *Chrome v29 and later*

[1] Microsoft Exchange Server 2007, 2010, and 2013 are supported.

[2] Terminal Services support with manual or Single Sign-On authentication operates in a Microsoft Terminal Services or Citrix XenApp 4.5, 5.0, 6.0, 6.5 and 7.6 environment.

[3] Native (Cisco) IPSec client and OpenVPN are supported for Mac OS and iOS. For Mac OS X 10.8 -10.10, we also support the WatchGuard IPSec Mobile VPN Client for Mac, powered by NCP.

Authentication Support

This table gives you a quick view of the types of authentication servers supported by key features of Fireware. Using an authentication server gives you the ability to configure user and group-based firewall and VPN policies in your Firebox or XTM device configuration. With each type of third-party authentication server supported, you can specify a backup server IP address for failover.

✓ *Fully supported by WatchGuard* ⚑ *Not yet supported, but tested with success by WatchGuard customers*

	Active Directory[1]	LDAP	RADIUS[2]	SecurID[2]	Firebox (Firebox-DB) Local Authentication
Mobile VPN with IPSec/Shrew Soft	✓	✓	✓[3]	–	✓
Mobile VPN with IPSec/WatchGuard client (NCP)	✓	✓	✓	✓	✓
Mobile VPN with IPSec for iOS and Mac OS X native VPN client	⚑	⚑	⚑	✓	✓
Mobile VPN with IPSec for Android devices	✓	✓	✓	–	✓
Mobile VPN with SSL for Windows	✓	✓	✓[4]	✓[4]	✓
Mobile VPN with SSL for Mac	✓	✓	✓	✓	✓
Mobile VPN with SSL for iOS and Android devices	⚑	⚑	⚑	✓	✓
Mobile VPN with L2TP	✓[6]	–	✓	–	✓
Mobile VPN with PPTP	–	–	✓	N/A	✓
Built-in Authentication Web Page on Port 4100	✓	✓	✓	✓	✓
Single Sign-On Support *(with or without client software)*	✓	✓	–	–	–
Terminal Services Manual Authentication	✓	⚑	⚑	⚑	✓
Terminal Services Authentication with Single Sign-On	✓[5]	–	–	–	–
Citrix Manual Authentication	⚑	⚑	⚑	⚑	✓
Citrix Manual Authentication with Single Sign-On	✓[5]	–	–	–	–

1. *Active Directory support includes both single domain and multi-domain support, unless otherwise noted.*
2. *RADIUS and SecurID support includes support for both one-time passphrases and challenge/response authentication integrated with RADIUS. In many cases, SecurID can also be used with other RADIUS implementations, including Vasco.*
3. *The Shrew Soft client does not support two-factor authentication.*
4. *Fireware supports RADIUS Filter ID 11 for group authentication.*
5. *Both single and multiple domain Active Directory configurations are supported. For information about the supported Operating System compatibility for the WatchGuard TO Agent and SSO Agent, see the current Fireware and WSM Operating System Compatibility table.*
6. *Active Directory authentication methods are supported only through a RADIUS server.*

System Requirements

	If you have WatchGuard System Manager client software only installed	If you install WatchGuard System Manager and WatchGuard Server software
Minimum CPU	Intel Core or Xeon 2GHz	Intel Core or Xeon 2GHz
Minimum Memory	1 GB	2 GB
Minimum Available Disk Space	250 MB	1 GB
Minimum Recommended Screen Resolution	1024x768	1024x768

XTMv System Requirements

With support for installation in both a VMware and a Hyper-V environment, a WatchGuard XTMv virtual machine can run on a VMware ESXi 4.1, 5.0, 5.1, 5.5, or 6.0 host, or on Windows Server 2008 R2, Windows Server 2012, Hyper-V Server 2008 R2, or Hyper-V Server 2012.

The hardware requirements for XTMv are the same as for the hypervisor environment it runs in.

Each XTMv virtual machine requires 3 GB of disk space.

Recommended Resource Allocation Settings

	Small Office	Medium Office	Large Office	Datacenter
Virtual CPUs	1	2	4	8 or more
Memory	1 GB	2 GB	4 GB	4 GB or more

Downloading Software

You can download software from the WatchGuard Software Downloads Center.

There are several software files available for download with this release. See the descriptions below so you know what software packages you will need for your upgrade.

WatchGuard System Manager

With this software package you can install WSM and the WatchGuard Server Center software:

> `WSM11_10_6.exe` — Use this file install WSM v11.10.6 or to upgrade WatchGuard System Manager from v11.x to WSM v11.10.6.

Fireware OS

Your Firebox was manufactured with Fireware v11.10.6. There is no Fireware update available at this time.

Single Sign-On Software

These files are available for Single Sign-On.

- `WG-Authentication-Gateway_11_10_4.exe` (SSO Agent software - required for Single Sign-On and includes optional Event Log Monitor for clientless SSO)
- `WG-Authentication-Client_11_9_4.msi` (SSO Client software for Windows)
- `WG-SSOCLIENT-MAC_11_10.dmg` (SSO Client software for Mac OS X)
- `SSOExchangeMonitor_x86_11_10_4.exe` (Exchange Monitor for 32-bit operating systems)
- `SSOExchangeMonitor_x64_11_10_4.exe` (Exchange Monitor for 64-bit operating systems)

For information about how to install and set up Single Sign-On, see the product documentation.

Terminal Services Authentication Software

- `TO_AGENT_SETUP_11_10_4.exe` (This installer includes both 32-bit and 64-bit file support.)

Mobile VPN with SSL Client for Windows and Mac

There are two files available for download if you use Mobile VPN with SSL.

- `WG-MVPN-SSL_11_10_4.exe` (Client software for Windows)
- `WG-MVPN-SSL_11_10_4.dmg` (Client software for Mac)

Mobile VPN with IPSec client for Windows and Mac

There are several available files to download.

Shrew Soft Client

- `Shrew Soft Client 2.2.2 for Windows` - No client license required.

WatchGuard IPSec Mobile VPN Clients

- `WatchGuard IPSec Mobile VPN Client for Windows (32-bit), powered by NCP` - There is a license required for this premium client, with a 30-day free trial available with download.
- `WatchGuard IPSec Mobile VPN Client for Windows (64-bit), powered by NCP` - There is a license required for this premium client, with a 30-day free trial available with download.
- `WatchGuard IPSec Mobile VPN Client for Mac OS X, powered by NCP` - There is a license required for this premium client, with a 30-day free trial available with download.

WatchGuard Mobile VPN License Server

- `WatchGuard Mobile VPN License Server (MVLS) v2.0, powered by NCP`- Click here for more information about MVLS.

Upgrade to WSM v11.10.6

If you use WatchGuard System Manager (WSM), make sure your WSM version is equal to or higher than the version of Fireware OS installed on your Firebox and the version of WSM installed on your Management Server. Also, make sure to upgrade WSM *before* you upgrade the version of Fireware OS on your Firebox.

Back up your WatchGuard Servers

It is not usually necessary to uninstall your previous v11.x server or client software when you upgrade to WSM v11.10.6. You can install the v11.10.6 server and client software on top of your existing installation to upgrade your WatchGuard software components. We do, however, strongly recommend that you back up your WatchGuard Servers (for example: WatchGuard Log Server, WatchGuard Report Server) to a safe location before you upgrade. You will need these backup files if you ever want to downgrade.

To back up your Management Server configuration, from the computer where you installed the Management Server:

1. From WatchGuard Server Center, select **Backup/Restore Management Server**.
   The WatchGuard Server Center Backup/Restore Wizard starts.
2. Click **Next**.
   The Select an action screen appears.
3. Select **Back up settings**.
4. Click **Next**.
   The Specify a backup file screen appears.
5. Click **Browse** to select a location for the backup file. Make sure you save the configuration file to a location you can access later to restore the configuration.
6. Click **Next**.
   The WatchGuard Server Center Backup/Restore Wizard is complete screen appears.
7. Click **Finish** to exit the wizard.

Known Issues and Limitations

Known issues for Fireware v11.10.6 and its management applications, including workarounds where available, can be found on the WatchGuard website. To see Known Issues, log in to the WatchGuard website and use the filters available on the Technical Search > Knowledge Base tab.

Using the CLI

The Fireware CLI (Command Line Interface) is fully supported for v11.x releases. For information on how to start and use the CLI, see the *Command Line Reference Guide*. You can download the latest CLI guide from the documentation web site at http://www.watchguard.com/wgrd-help/documentation/xtm.

Technical Assistance

For technical assistance, contact WatchGuard Technical Support by telephone or log in to the WatchGuard Portal on the Web at http://www.watchguard.com/support. When you contact Technical Support, you must supply your registered Product Serial Number or Partner ID.

	Phone Number
U.S. End Users	877.232.3531
International End Users	+1 206.613.0456
Authorized WatchGuard Resellers	206.521.8375