



# FortiProxy Release Notes

Version 1.1.6

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February 13, 2020

FortiProxy 1.1.6 Release Notes

Revision 1

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# Change log

| Date              | Change Description                   |
|-------------------|--------------------------------------|
| February 13, 2020 | Initial release for FortiProxy 1.1.6 |

# Introduction

FortiProxy delivers a class-leading Secure Web Gateway, security features, unmatched performance, and the best user experience for web sites and cloud-based applications. All FortiProxy models include the following features out of the box:

## Security modules

The unique FortiProxy architecture offers granular control over security, understanding user needs and enforcing Internet policy compliance with the following security modules:

- **Web filtering**
  - The web-filtering solution is designed to restrict or control the content a reader is authorized to access, delivered over the Internet using the web browser.
  - The web rating override allows users to change the rating for a web site and control access to the site without affecting the rest of the sites in the original category.
- **DNS filtering**
  - Similar to the FortiGuard web filtering. DNS filtering allows, blocks, or monitors access to web content according to FortiGuard categories.
- **Email filtering**
  - The FortiGuard Antispam Service uses both a sender IP reputation database and a spam signature database, along with sophisticated spam filtering tools on Fortinet appliances and agents, to detect and block a wide range of spam messages. Updates to the IP reputation and spam signature databases are provided continuously by the FDN.
- **CIFS filtering**
  - CIFS UTM scanning, which includes antivirus file scanning and data leak prevention (DLP) file filtering.
- **Application control**
  - Application control technologies detect and take action against network traffic based on the application that generated the traffic.
- **Data Leak Prevention (DLP)**
  - The FortiProxy data leak prevention system allows you to prevent sensitive data from leaving your network.
- **Antivirus**
  - Antivirus uses a suite of integrated security technologies to protect against a variety of threats, including both known and unknown malicious codes (malware), plus Advanced Targeted Attacks (ATAs), also known as Advanced Persistent Threats (APTs).
- **SSL/SSH inspection (MITM)**
  - SSL/SSH inspection helps to unlock encrypted sessions, see into encrypted packets, find threats, and block them.
- **Intrusion Prevention System (IPS)**
  - Intrusion Prevention System technology protects your network from cybercriminal attacks by actively seeking and blocking external threats before they can reach potentially vulnerable network devices.
- **Content Analysis**
  - Content Analysis allow you to detect adult content images in real time. This service is a real-time analysis of the content passing through the FortiProxy unit.

## Caching and WAN optimization

All traffic between a client network and one or more web servers is intercepted by a web cache policy. This policy causes the FortiProxy unit to cache pages from the web servers on the FortiProxy unit and makes the cached pages available to users on the client network. Web caching can be configured for standard and reverse web caching.

FortiProxy supports WAN optimization to improve traffic performance and efficiency as it crosses the WAN. FortiProxy WAN optimization consists of a number of techniques that you can apply to improve the efficiency of communication across your WAN. These techniques include protocol optimization, byte caching, SSL offloading, and secure tunneling.

Protocol optimization can improve the efficiency of traffic that uses the CIFS, FTP, HTTP, or MAPI protocol, as well as general TCP traffic. Byte caching caches files and other data on FortiProxy units to reduce the amount of data transmitted across the WAN.

FortiProxy is intelligent enough to understand the differing caching formats of the major video services in order to maximize cache rates for one of the biggest contributors to bandwidth usage. FortiProxy will:

- Detect the same video ID when content comes from different CDN hosts
- Support seek forward/backward in video
- Detect and cache separately; advertisements automatically played before the actual videos

## What's new

This release contains the following new features and enhancements:

- There is now unrestricted memory for all FortiProxy-VM licenses. The licenses still control the maximum number of CPUs and disks.

## Supported models

The following models are supported on FortiProxy 1.1.6, build 0185:

- FortiProxy 400E
- FortiProxy 2000E
- FortiProxy 4000E
- FortiProxy VM—VMware and KVM

# Product integration and support

## Web browser support

The following web browsers are supported by FortiProxy 1.1.6:

- Microsoft Internet Explorer version 11
- Mozilla Firefox version 61
- Google Chrome version 67

Other web browsers might function correctly but are not supported by Fortinet.

## Fortinet product support

- FortiOS 5.x and 6.0 to support the WCCP content server
- FortiOS 5.6.3 and 6.0 to support the web cache collaboration storage cluster
- FortiAnalyzer 5.6.5
- FortiSandbox and FortiCloud FortiSandbox, 2.5.1

## Virtualization environment support

**NOTE:** Fortinet recommends running the FortiProxy VM with 2G+ memory because the AI-based Image Analyzer uses more memory comparing to the previous version.

|           |                                                                                                                                          |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------|
| Linux KVM | <ul style="list-style-type: none"><li>• RHEL 7.1/Ubuntu 12.04 and later</li><li>• CentOS 6.4 (qemu 0.12.1) and later</li></ul>           |
| VMware    | <ul style="list-style-type: none"><li>• ESX versions 4.0 and 4.1</li><li>• ESXi versions 4.0, 4.1, 5.0, 5.1, 5.5, 6.0, and 6.5</li></ul> |

## New deployment of the FortiProxy VM

The minimum memory size for the FortiProxy VM for 1.1.6 or later is 2G. You must have at least 2G of memory to allocate to the FortiProxy VM from the VM host.

## Upgrading the FortiProxy VM

If you are upgrading from FortiProxy 1.1.2 or earlier, including FortiProxy 1.0 to FortiProxy 1.1.6 or later, use the following procedure:

1. Back up the configuration from the GUI or CLI. Make sure the VM license file is stored on the PC or FTP or TFTP server.
2. Shut down the original VM.
3. Deploy the new VM. Make sure that there is at least 2G of memory to allocate to the VM.

4. From the VM console, configure the interface, routing, and DNS for GUI or CLI access to the new VM and its access to FortiGuard.
5. Upload the VM license file using the GUI or CLI
6. Restore the configuration using the CLI or GUI.

## Downgrading the FortiProxy VM

If you are downgrading from FortiProxy 1.1.6 or later to FortiProxy 1.1.2 or earlier, use the following procedure:

1. Back up the configuration from the GUI or CLI. Make sure the VM license file is stored on the PC or FTP or TFTP server.
2. Shut down the original VM.
3. Deploy the new VM. Make sure that there is at least 2G of memory to allocate to the VM.
4. From the VM console, configure the interface, routing, and DNS for GUI or CLI access to the new VM and its access to FortiGuard.
5. Upload the VM license file using the GUI or CLI
6. Restore the configuration using the CLI or GUI.

# Resolved issues

The following issues have been fixed in FortiProxy 1.1.6. For inquiries about a particular issue, please contact [Fortinet Customer Service & Support](#).

| Bug ID | Description                                                                                                                                                        |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 525328 | The external resource needs to support a missing content length.                                                                                                   |
| 527467 | The VPN tunnel is not shown in the GUI.                                                                                                                            |
| 548848 | When <code>private-data-encryption</code> is enabled, you must use <code>private-key</code> to encrypt password-related attributes except <code>sys.admin</code> . |
| 550059 | After generating FTP proxy traffic from Avalanche, the WAN-optimization daemon (WAD) crashes with signal 11.                                                       |
| 580956 | WAD crashes with signal 6.                                                                                                                                         |
| 587232 | WAD crashes with signal 11 (segmentation fault)                                                                                                                    |
| 587758 | The fabric connector should not validate the invalid CIDR format <code>x.x.x.x/*</code> .                                                                          |
| 588262 | The "IP Address Threat Feed" fabric connector is not working.                                                                                                      |
| 590561 | The wildcard FQDN addresses should be hidden in the <code>srcaddr</code> list of the <code>pac-policy</code> .                                                     |
| 590942 | When the proxy traffic between a proxy server and client is examined with antivirus inspection, the response is not forwarded to the client.                       |
| 591847 | The <code>set allow-subnet-overlap</code> command should be available under the <code>config system settings</code> command.                                       |
| 591870 | The FortiGate-to-FortiManager protocol daemon keeps crashing with signal 11 (segmentation fault).                                                                  |
| 592482 | Before authentication occurs, WAD crashes.                                                                                                                         |
| 595710 | A conflict configuration prevents FortiProxy Manager from loading a FortiProxy VM successfully.                                                                    |
| 595924 | Users cannot monitor multiple interfaces in HA mode.                                                                                                               |
| 596701 | The FortiProxy message text needs to be corrected.                                                                                                                 |
| 597605 | The FortiProxy unit responds to SNMP queries with 0 for all interface counters.                                                                                    |
| 603146 | After the destination address is configured in the explicit policy, WAD crashes the first three times the explicit policy is triggered.                            |

| Bug ID | Description                                                                                                                    |
|--------|--------------------------------------------------------------------------------------------------------------------------------|
| 603523 | When the DNS filter is configured in the transparent policy, the DNS-filter icon does not display in the Web UI.               |
| 605721 | SSL deep inspection causes a certificate error when load-balancing in a Config-Sync cluster.                                   |
| 606277 | RADIUS NAS-IP should not be synchronized with the Config-Sync cluster.                                                         |
| 607990 | Only four ports are displayed in the GUI when more than four ports are available.                                              |
| 608182 | The active-passive HA cluster fails to form.                                                                                   |
| 608611 | When using the broadcast heartbeat, the active-passive HA cluster does not form.                                               |
| 608749 | When FortiGuard central management is enabled in unicast HA mode, the default route is installed on the to tun_fgfm interface. |
| 609173 | After disabling the SSL inspection protocols, SSL inspection still occurs.                                                     |

# Known issues

FortiProxy 1.1.6 includes the known issues listed in this section. For inquiries about a particular issue, please contact [Fortinet Customer Service & Support](#).

| Bug ID | Description                                                                              |
|--------|------------------------------------------------------------------------------------------|
| 491027 | Filtering the YouTube channel does not work.                                             |
| 490951 | The <code>append explicit-outgoing-ip</code> command is not validated.                   |
| 499787 | The FortiGuard firmware versions are not listed on the <i>System &gt; Firmware</i> page. |



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