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High Performance Network Security

FortiWAN - Release Notes

VERSION 4.5.7

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FortiWAN 4.5.7 Release Notes Revision 1

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Introduction

This document provides a list of new/changed features, upgrade instructions and caveats, resolved issues, and known issues for FortiWAN 4.5.7, build 0341, for model 200B, 1000B, 3000B, VM-02 and VM-04.

FortiWAN is a Link Load Balancing, Multi-Homing and Tunnel Routing system that distributes outbound or inbound internet traffic across multiple WAN links of differing technologies as well as building multi-link VPNs between sites.

For additional documentation, please visit:

http://help.fortinet.com/fwan/4-5-7/index.htm

What's new

FortiWAN 4.5.7 is for bug fixes only, please refer to "Resolved issues".

Hardware Support

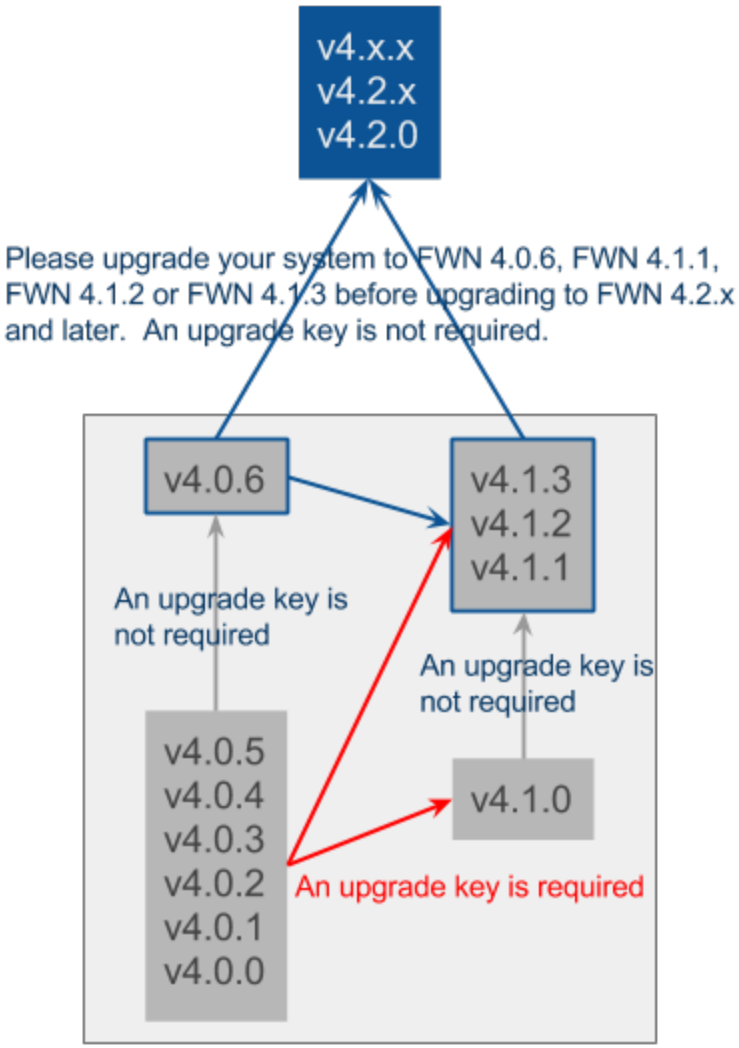
FortiWAN 4.5.7 for FortiWAN supports FortiWAN 200B, FortiWAN 1000B, FortiWAN 3000B, FortiWAN-VM-02 and FortiWAN-VM-04.

AscenLink series models are not supported.

Upgrading

FortiWAN 200B, FortiWAN 1000B and FortiWAN 3000B may have FWN 4.0.x installed respectively. In that case upgrade to FWN 4.5.7 as follows:

In early versions of FortiWAN firmware, it was necessary to obtain a Firmware Upgrade License Key to upgrade major releases of firmware (4.0.x - 4.1.x - 4.2.x). In late 2015, Fortinet decided to align the FortiWAN firmware upgrade policy with other Fortinet products, Firmware Upgrade Keys would no longer be required. In order to implement that, changes needed to be made in some maintenance releases of FortiWAN firmware. Please use the diagram below to select the current firmware you have and the desired latest firmware. You might need to first upgrade to a higher maintenance release (e.g. 4.0.1 - 4.0.6) of your current firmware (this never requires a key) before you can upgrade to the latest major release.



In the past FortiWAN (and AscenLink) required sequential major firmware upgrades (e.g. 4.0.x-4.1.x-4.2.x). With the above changes to “keyless” upgrades you will be able to upgrade directly to any release after the current one, “jumping” unneeded releases (e.g. 4.0.6-4.2.x).

After that, start the upgrade procedure as follow:

- Always back up your system configurations and store in a safe place before upgrading.
- Note that if you are upgrading from version 4.2.2 and earlier, please ensure that:
  - There are no duplicate label names among your original aggregated LAN or DMZ ports (go to *System > Network Setting > VLAN and Port Mapping* on Web UI). If there are duplicates, system will fail to boots up after upgrading to this release.
  - There is no any underscore character contained in label names of the original aggregated LAN or DMZ ports.
- Log on to FortiWAN as Administrator and go to [System > Administrator] page.
- Click Update to start the upgrade procedure
  - Click Browse to select the path where the new firmware image is saved.
  - Select Upload.
- Be patient while firmware is being upgraded. During the upgrade, do not turn off the system, unplug the power or repeatedly click the Submit button.
- The message “Update succeeded” will appear after the upgrade is completed. Please reboot the system afterward for the firmware to take effect.

Note that upgrade from AscenLink is not supported.

Fortinet default account/password

Fortinet default account/password (admin/null) is supported for FortiWAN's web-based manager and CLI for new shipped FortiWAN appliances with V4.1.0 and later firmware. However upgrading from earlier versions to V4.1.0 or later does not add the Fortinet default account/password to local authentication database of your current system. To login to the Web UI or CLI with Fortinet default account/password, you are still required to manually add it to your FortiWAN.

Downgrading

In that case downgrade to previous releases of firmware (4.0.x, 4.1.x or 4.2.0 - 4.2.4), you can downgrade directly to any release before the current one without any key being required. The downgrade procedure is similar to the upgrade one as follow:

- Always back up your system configurations and store in a safe place before downgrading.
- Note that if you are downgrading to version 4.2.2 or earlier, you must delete all aggregated port settings (go to *System > Network Setting > VLAN and Port Mapping* on Web UI) before downgrading, or system will fail to boots up after downgrading.
- Log on to FortiWAN as Administrator and go to [System > Administrator] page.
- Click Downgrade to start the downgrade procedure
    - Click Browse to select the old firmware image that you want to downgrade to.
    - Select Upload.
- Be patient while firmware is being downgraded. During the downgrade, do not turn off the system, unplug the power or repeatedly click the Submit button.
- The message “Downgrade succeeded” will appear after the downgrade is completed. Please reboot the system afterward for the firmware to take effect.

Note that downgrade from AscenLink is not supported.

Resolved issues

This section lists the resolved issues of this release, but is not a complete list. For inquires about a particular bug, please contact Fortinet Customer Service & Support.

Table 1: Resolved issues

Bug ID	Description
545172	Upgrade ntpd for vulnerability patch.
547685	Upgrade PHP for vulnerability patch.
560613	Upgrade Apache for vulnerability patch.
553802	Upgrade OpenSSH for vulnerability patch.
547669	Upgrade OpenSSL for vulnerability patch.
539703	It happened on FortiWAN 3000B that bmstatd got crashed and GUI dashboard reported nothing when WAN link 50 is enabled and configured.
553432	A garbage message “Disk is missing” might be shown on GUI dashboard if the browser is obsolete. This is a GUI issue, nothing goes wrong with system disk.
540768	License file in UNIX format is not accepted

Common Vulnerabilities and Exposures

FortiWAN 4.5.7 is no longer vulnerable to the CVE-References in the below table.

Visit https://fortiguard.com/psirt for more information.

Bug ID	CVE references and other vulnerabilities
554088	• CVE-2018-5743

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