



FortiSwitch-ATCA v5.0.4 Release Notes



FortiSwitch-ATCA v5.0.4 Release Notes

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Change Log

| Date | Change Description |
|------------|--|
| 2014-09-15 | Initial release. |
| 2014-09-29 | Added 0255692 to Known Issues chapter. |
| 2014-11-17 | Added 0257335 to Known Issues chapter. |

Introduction

This document provides the following information for FortiSwitch-ATCA v5.0.4 build 0025:

- Supported models
- What's new in v5.0.4 for FTCL-5103B
- Special Notices
- Upgrade Information
- Product Integration and Support
- Resolved Issues
- Known Issues

See the [Fortinet Document Library](#) for FortiSwitch-ATCA documentation.

Supported models

FortiSwitch-ATCA v5.0.4 supports the following models:

Table 1: Supported models

| | |
|-------------------------|-----------------------|
| FortiSwitch-ATCA | FS-5003A and FS-5003B |
| FortiController | FTCL-5103B |

What's new in v5.0.4 for FTCL-5103B

The following is a list of enhancements in v5.0.4:

- Support for non-standard administrative access ports.
- Support to control front panel ports (f1-f8) to be administratively down on FTCL-5103B when 1 or more FortiGate blades fail.
- Support for port extension on the FTCL-5103B in non-load balance mode.

Special Notices

General

The TFTP boot process erases all current switch configuration and replaces it with the factory default settings.

Upgrade Information

Upgrading from FortiSwitch-ATCA v5.0.3

FortiSwitch-ATCA v5.0.4 supports upgrade from v5.0.3.

Upgrading from FortiSwitch-ATCA v4.3.3 or later

FortiSwitch-ATCA v5.0.4 officially supports upgrade from v4.3.3 or later.

ELBCv3 cluster upgrades

To upgrade an ELBCv3 cluster from v4.3 to v5.0.4, the following procedure is advised:

1. Upgrade your FortiSwitch-ATCA and FortiGate devices to the latest v4.3 firmware release. For more information, see the [FortiOS v4.0 MR3 Release Notes](#) for the upgrade procedure.
2. Disable the graceful upgrade feature on your FortiSwitch-ATCA devices using the following CLI command:

```
config system ha
    set graceful-upgrade disable
end
```



FortiGate supports graceful upgrade from FortiOS v4.3 to FortiOS v5.0. You do not need to disable this feature on your FortiGate devices.

3. Load the FortiGate v5.0 image to the ELBC master FortiGate.
4. Wait until all FortiGates have completed the upgrade. You may use the CLI command `diagnose system ha force-slave-state` to trigger chassis HA fail-over during the FortiGate upgrade if you have a dual chassis setup.
5. Load the v5.0.4 image to the master FortiSwitch-ATCA device.
6. All FortiSwitch-ATCA devices will start to upgrade simultaneously. You will experience a traffic interruption during this time.
7. After all FortiSwitch-ATCA devices have completed the upgrade you can re-enable the graceful upgrade feature using the following CLI command:

```
config system ha
    set graceful-upgrade enable
end
```

Downgrading to previous firmware versions

Downgrading from FortiSwitch-ATCA v5.0.4 to previous releases is not supported.

Firmware image checksums

The MD5 checksums for all Fortinet software and firmware releases are available at the Customer Service & Support portal, <https://support.fortinet.com>. After logging in select *Download > Firmware Image Checksums*, enter the image file name including the extension, and select *Get Checksum Code*.

Product Integration and Support

FortiSwitch-ATCA v5.0.4 support

The following table lists v5.0.4 product integration and support information.

Table 2: FortiSwitch-ATCA v5.0.4 support information

| | |
|---------------------|---|
| Web browser | <ul style="list-style-type: none">• Microsoft Internet Explorer version 10• Mozilla Firefox version 32• Google Chrome version 37 <p>Other web browsers may function correctly, but are not supported by Fortinet.</p> |
| FortiOS | <ul style="list-style-type: none">• v5.2.0 and later• v5.0.5 and later <p>If you use the FS-5003A or FS-5003B purely for backplane switching or in FortiTrunk mode, you do not need to upgrade your FortiGate units to FortiOS v5.0.5. If you are using <code>service-group</code> mode or <code>load-balance</code> mode on the FTCL-5103B, you must use FortiOS v5.0.5 or later.</p> |
| FortiManager | <ul style="list-style-type: none">• v5.2.0• v5.0.0 and later |

Resolved Issues

The following issues have been fixed in v5.0.4. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Table 3: Resolved issues

| Bug ID | Description |
|---------|---|
| 0216730 | Block inactive LAG ports in <code>service-group</code> and <code>load-balance</code> modes. |
| 0237064 | Added Watchdog support for the FPGA channel. |
| 0240033 | ELBC blades that have not joined the cluster should not be allowed to send or receive any traffic. |
| 0240015 | Improved handling of SNMP trap requests and reduced maximum latency of SNMP responses. |
| 0248553 | HTTPS management accepts weak RC4-MD5 cipher even after <code>strong-crypto</code> is enabled. |
| 0250777 | FPGA upgrade and downgrade issue. |
| 0251528 | An error message is printed if the trunk has zero members or is configured with zero members, which is not allowed. |

Known Issues

The following issues have been identified in v5.0.4. For inquiries about a particular bug or to report a bug, please contact [Customer Service & Support](#).

Table 4: Known issues

| Bug ID | Description |
|---------|--|
| 0212362 | Unable to reach the FortiSwitch via the external management IP address without adding FortiGate blades. |
| 0219249 | Weighted load balancing does not work properly. |
| 0255692 | <p>SALB cluster unstable with default HB setting.</p> <p>Workaround for the FTCL-5103B:</p> <p>Enter the following CLI command:</p> <pre>config load-balance setting set max-miss-heartbeats 25 end</pre> |
| 0257335 | <p>The fabric backplane interfaces must be set to <code>40000full</code> or <code>10000full</code> when using a FortiController-5903C to load balance sessions to FortiGate-5001Ds.</p> <p>Explanation:</p> <p>In some SALB configurations and with some firmware builds you may have to manually set the speeds of FortiGate-5001D <code>elbc-ctrl/1</code> <code>elbc-ctrl/2</code> interfaces that connect to the fabric backplane to <code>40000full</code> in the FortiGate-5144C chassis or <code>10000full</code> in other chassis. Normally the speeds of these interfaces are set to <code>auto</code>. You can use the following CLI commands to change the speeds of these interfaces:</p> <pre>config system interface edit elbc-ctrl/1 set speed 40000full end config system interface edit elbc-ctrl/1 set speed 10000full end</pre> |

