



# FortiController-5000 - Release Notes

Version 5.2.10

**FORTINET DOCUMENT LIBRARY**

<https://docs.fortinet.com>

**FORTINET VIDEO GUIDE**

<https://video.fortinet.com>

**FORTINET BLOG**

<https://blog.fortinet.com>

**CUSTOMER SERVICE & SUPPORT**

<https://support.fortinet.com>

**FORTINET TRAINING & CERTIFICATION PROGRAM**

<https://www.fortinet.com/support-and-training/training.html>

**NSE INSTITUTE**

<https://training.fortinet.com>

**FORTIGUARD CENTER**

<https://fortiguard.com/>

**END USER LICENSE AGREEMENT**

<https://www.fortinet.com/doc/legal/EULA.pdf>

**FEEDBACK**

Email: [techdoc@fortinet.com](mailto:techdoc@fortinet.com)



October 31, 2022

FortiController-5000 5.2.10 Release Notes

11-5210-564696-20221031

# TABLE OF CONTENTS

<b>Change log</b>	<b>4</b>
<b>Introduction</b>	<b>5</b>
Supported models	5
<b>Special notices</b>	<b>6</b>
FortiController 5.2.10 supports FortiOS 5.6.6 or later or 6.0.3 or later	6
FortiController 5.2.10 trusted host limitation	6
FortiGates in an SLBC cluster can go out of sync after a FortiGuard update	6
<b>Upgrade Information</b>	<b>8</b>
Upgrading from FortiController-5000 5.2.6	8
Downgrading to previous firmware versions	8
Firmware image checksums	8
<b>Product integration and support</b>	<b>9</b>
FortiController-5000 5.2.10 support	9
<b>Resolved issues</b>	<b>10</b>
<b>Known issues</b>	<b>11</b>

## Change log

Date	Changed description
October 31, 2022	Added known issue to 854652 to <a href="#">Known issues on page 11</a> .
March 4, 2022	Added the following sections: <ul style="list-style-type: none"><li>• <a href="#">FortiController 5.2.10 trusted host limitation on page 6</a>.</li><li>• <a href="#">Known issues on page 11</a>.</li></ul>
June 27, 2019	Initial release.

# Introduction

This document provides the following information for FortiController-5000 5.2.10 build 0189:

- [Supported models](#)
- [Special notices](#)
- [Upgrade Information](#)
- [Product integration and support](#)
- [Resolved issues](#)
- [Known issues](#)

See the [Fortinet Document Library](#) for FortiController-5000 documentation.

## Supported models

FortiController-5000 5.2.10 supports the following models:

<b>FortiController</b>	FCTL5103B, FCTL5903C, and FCTL5913C.
------------------------	--------------------------------------

## Special notices

### FortiController 5.2.10 supports FortiOS 5.6.6 or later or 6.0.3 or later

Before you upgrade your FortiController firmware to 5.2.10, you must upgrade the FortiOS firmware running on the FortiGates in the SLBC cluster to FortiOS 5.6.6 or later or FortiOS 6.0.3 or later. Running older versions of FortiOS may cause IPsec VPN issues. FortiController 5.2.10 is not compatible with FortiOS 6.0.0, 6.0.1, or 6.0.2.

### FortiController 5.2.10 trusted host limitation

FortiController 5.2.10 supports creating a maximum of 140 trusted hosts. Creating more than 140 trusted hosts is allowed by the CLI, but creating more than 140 trusted hosts can block management access over special management ports to the FortiController and FortiGates in the secondary chassis in an FGCP HA configuration.

### FortiGates in an SLBC cluster can go out of sync after a FortiGuard update

When operating normally, FortiOS uses a collection of CAs (called a CA bundle) for various certificate-related functions. FortiOS normally gets the latest CA bundle from FortiGuard.

FOS firmware images come with their own CA bundle. Immediately after a firmware upgrade, all of the FortiGates in a Session-aware Load Balancing Cluster (SLBC) will have the CA bundle that comes with the firmware image. When the first automatic or manual FortiGuard update occurs, the primary FortiGate in the SLBC downloads the latest CA bundle from FortiGuard and synchronizes it to the other FortiGates in the cluster. Due to a known issue with FortiOS 5.6.7 and earlier, this synchronization step may fail, resulting in a synchronization problem with the cluster.

You can avoid this issue by using the following steps to upgrade the firmware of the FortiGates in an SLBC cluster, perform a FortiGuard update, and manually re-synchronize the configuration:

1. Log in to the primary FortiGate and enter the following command to disable graceful-upgrade.  

```
config system elbc
    set graceful-upgrade disable
end
```
2. Use the normal firmware upgrade procedure to upgrade the SLBC firmware.
3. After all of the FortiGates have restarted and joined the cluster, log into the primary FortiGate and use the `diagnose sys confsync status` command to verify that the primary FortiGate can communicate with all of the FortiGates in the cluster.
4. Enter `diagnose autoupdate versions | grep -A2 'Bundle'` to check the version of CA bundle on the primary FortiGate (for example, for FOS v5.6.7, the version should be 1.00012).

5. Start a FortiGuard update on the primary FortiGate. For example, use the `execute update-now` command.
6. Wait a few minutes, then enter `diagnose autoupdate versions | grep -A2 'Bundle'` to verify that a new CA bundle has been installed.
7. Backup the configuration of the primary FortiGate.
8. Restore the configuration of the primary FortiGate.  
The primary FortiGate synchronizes its configuration to all of the FortiGates in the cluster. After a few minutes, all of the FortiGates should restart and the cluster configuration should be synchronized.
9. Use the `diagnose sys confsync status` command to verify that the cluster is synchronized.

# Upgrade Information

## Upgrading from FortiController-5000 5.2.6

FortiController-5000 5.2.10 supports upgrade from 5.2.6 and above.

## Downgrading to previous firmware versions

Downgrading from FortiController-5000 5.2.10 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

## FortiController-5000 5.2.10 support

The following table lists 5.2.10 product integration and support information.

<b>Web browser</b>	<ul style="list-style-type: none"><li>• Microsoft Internet Explorer version 10.</li><li>• Mozilla Firefox version 33.</li><li>• Google Chrome version 37.</li></ul> Other web browsers may function correctly, but are not supported by Fortinet.
<b>FortiOS</b>	<ul style="list-style-type: none"><li>• 5.2.10 and later.</li></ul>

## Resolved issues

The following issues have been fixed in 5.2.10. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
533478	Resolved an issue that caused the FortiController and FortiGate routing configurations to appear to be out of synch, resulting in mis-matched checksums.
538719	Resolved an issue that caused the NTP process (ntpd) to crash with no entries appearing in the crash log.
539198	Resolved an issue that sometimes prevents a FortiController-5103B from restarting successfully.
555842	Resolved an issue that prevented SLBC system from forwarding STP packet in L2 VDOM.
557279	Improved HTTPS secure flag support.
552242	The hamc-sha1-96 algorithm is no longer supported for SSH key exchange when strong crypto is enabled.

## Known issues

The following known issues have been found in FortiController-5000 5.2.10 build 0189. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
854652	<p>When using the <code>config switch fabric-channel trunk</code> command to create a new trunk (or aggregate interface) or edit a trunk that has been previously added, the configuration change is implemented when you press the Enter key after entering the <code>set</code> command to change the configuration. Normally, in the FortiController CLI, configuration changes are not implemented until you enter <code>end</code> to save your changes. This also means that if you make a configuration change to a trunk and enter <code>abort</code>, the change has already been made and entering <code>abort</code> has no effect.</p> <p>If you need to revert a trunk configuration change that you wanted to cancel with the <code>abort</code> command, you can use the <code>config switch fabric-channel trunk</code> command to manually revert to the correct configuration.</p> <p>Changing the trunk (aggregate interface) configuration from the GUI is not affected by this issue. On the GUI, changes are not implemented until you select OK to save your changes and you can cancel a configuration change without saving it.</p>
781093	<p>FortiController 5.2.10 supports creating a maximum of 140 trusted hosts. Creating more than 140 trusted hosts is allowed by the CLI, but creating more than 140 trusted hosts can block management access over special management ports to the FortiController and FortiGates in the secondary chassis in an FGCP HA configuration.</p>



**FORTINET®**



Copyright© 2022 Fortinet, Inc. All rights reserved. Fortinet®, FortiGate®, FortiCare® and FortiGuard®, and certain other marks are registered trademarks of Fortinet, Inc., in the U.S. and other jurisdictions, and other Fortinet names herein may also be registered and/or common law trademarks of Fortinet. All other product or company names may be trademarks of their respective owners. Performance and other metrics contained herein were attained in internal lab tests under ideal conditions, and actual performance and other results may vary. Network variables, different network environments and other conditions may affect performance results. Nothing herein represents any binding commitment by Fortinet, and Fortinet disclaims all warranties, whether express or implied, except to the extent Fortinet enters a binding written contract, signed by Fortinet's General Counsel, with a purchaser that expressly warrants that the identified product will perform according to certain expressly-identified performance metrics and, in such event, only the specific performance metrics expressly identified in such binding written contract shall be binding on Fortinet. For absolute clarity, any such warranty will be limited to performance in the same ideal conditions as in Fortinet's internal lab tests. In no event does Fortinet make any commitment related to future deliverables, features or development, and circumstances may change such that any forward-looking statements herein are not accurate. Fortinet disclaims in full any covenants, representations, and guarantees pursuant hereto, whether express or implied. Fortinet reserves the right to change, modify, transfer, or otherwise revise this publication without notice, and the most current version of the publication shall be applicable.