



# FortiController-5000 - Release Notes

Version 5.2.9

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October 31, 2022

FortiController-5000 5.2.9 Release Notes

11-529-532567-20221031

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# Change log

Date	Changed description
October 31, 2022	Added known issue to 854652 to <a href="#">Known issues on page 10</a> .
January 30, 2019	Initial release.

# Introduction

This document provides the following information for FortiController-5000 5.2.9 build 0187:

- [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 5.2.9 supports the following models:

<b>FortiController</b>	FCTL5103B, FCTL5903C and FCTL5913C.
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## Special notices

### FortiController 5.2.9 supports FortiOS 5.6.6 or later or 6.0.3 or later

Before you upgrade your FortiController firmware to 5.2.9, 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 5.2.9 is not compatible with FortiOS 6.0.0, 6.0.1, or 6.0.2.

### 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 5.2.9 supports upgrade from 5.2.6 and above.

## Downgrading to previous firmware versions

Downgrading from FortiController-5000 5.2.9 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 5.2.9 support

The following table lists 5.2.9 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> <p>Other web browsers may function correctly, but are not supported by Fortinet.</p>
<b>FortiOS</b>	<ul style="list-style-type: none"><li>• 5.6.6 and later.</li><li>• 6.0.3 and later (6.0.0, 6.0.1, and 6.0.2 not supported).</li></ul>

## Resolved issues

The following issues have been fixed in 5.2.9. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
530415	Resolved an issue that resulted in loss of VPN routing information and VLAN ID values during communication between FortiGates and FortiControllers in an SLBC cluster.
533478	VPN routing information checksum calculations now produce the correct checksum values.
531742	Resolved an issue that caused FortiControllers to regularly create 0-byte temporary files.
531476	Resolved an issue that prevented TACACS authentication from working for sessions processed by the backup FortiController.
535669	Resolved an issue that disrupted IPsec VPN traffic passing through split FortiController front panel interfaces.

## Known issues

The following known issues have been found in FortiController-5000 5.2.9 build 0187. 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>



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