

FortiSwitch Devices Managed by FortiOS Release Notes

FortiSwitch 7.0.2



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FortiSwitch 7.0.2 FortiSwitch Devices Managed by FortiOS Release Notes

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Change log

Date	Change Description
October 20, 2021	Initial document release for FortiOS 7.0.2

Introduction

This document provides the following information for FortiSwitchOS 7.0.2 devices managed by FortiOS 7.0.2 build 0234.

Refer to the [FortiLink Compatibility table](#) to find which FortiSwitchOS versions support which FortiOS versions.

- [Special notices on page 7](#)
- [Upgrade information on page 9](#)
- [Product integration and support on page 10](#)
- [Resolved issues on page 11](#)
- [Known issues on page 12](#)

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

NOTE: FortiLink is not supported in transparent mode.

The maximum number of supported FortiSwitch units depends on the FortiGate model:

FortiGate Model Range	Number of FortiSwitch Units Supported
FortiGate 40F, 91E, FortiGate-VM01	8
FortiGate 60F, 6xE, 80F, 8xE, 90E	16
FortiGate 100D, FortiGate-VM02	24
FortiGate 100E, 100EF, 100F, 101E, 140E, 140E-POE	32
FortiGate 200E, 201E	64
FortiGate 300D to 500D	48
FortiGate 300E to 500E	72
FortiGate 600D to 900D and FortiGate-VM04	64
FortiGate 600E to 900E	96
FortiGate 1000D to 15xxD	128
FortiGate 1100E to 25xxE	196
FortiGate-3xxx and up and FortiGate-VM08 and up	300



New models (NPI releases) might not support FortiLink. Contact [Customer Service & Support](#) to check support for FortiLink.

What's new in FortiOS 7.0.2

The following list contains new managed FortiSwitch features added in FortiOS 7.0.2.

- The IGMP-snooping proxy has been enhanced. Before FortiOS 7.0.2, you could use the CLI to enable IGMP proxy on a system-wide basis. Now, you can use the CLI to enable IGMP proxy per FortiSwitch unit.
- You can now configure the IGMP-snooping querier version 2 or 3. When the IGMP querier version 2 is configured, the managed FortiSwitch unit will send IGMP version-2 queries when no external querier is present. When the IGMP querier version 3 is configured, the managed FortiSwitch unit will send IGMP version-3 queries when no external querier is present.
- A Procend 180-T DSL transceiver (FN-TRAN-DSL) that is plugged in to a FortiGate-managed FortiSwitch port can now be managed by a FortiGate unit. The management of the DSL transceiver and the FortiSwitch port includes the ability to program the physical-layer attributes on the DSL module, retrieve the status and statistics from the module, upgrade the module's firmware, and reset the module.
- You can now specify FortiSwitch groups in NAC policies using the GUI and CLI. In previous FortiOS versions, you specified individual managed FortiSwitch units when creating a NAC policy using the `set switch-scope` command or selecting the FortiSwitch units in the *Create NAC Policy* window. In FortiOS 7.0.2, the `set switch-scope` command has been replaced with the `set switch-group` command, and the *Create NAC Policy* window allows you to specify FortiSwitch groups. You can select more than one FortiSwitch group in the CLI and GUI, and the same FortiSwitch unit can be included in more than one FortiSwitch group. If no FortiSwitch group is specified in the `set switch-group` command, all FortiSwitch groups are used for the NAC policy.

Special notices

Support of FortiLink features

Refer to the [FortiSwitchOS feature matrix](#) for details about the FortiLink features supported by each FortiSwitchOS h model.

Downgrading FortiSwitchOS 7.0.0 and later to versions earlier than 6.2.6 or 6.4.4 is not supported

Downgrading FortiSwitchOS 7.0.0 and later to FortiSwitchOS 6.2.6 and later 6.2 versions is supported. Downgrading FortiSwitchOS 7.0.0 and later to FortiSwitchOS 6.4.4 and later 6.4 versions is supported. Downgrading FortiSwitchOS 7.0.0 and later to versions earlier than FortiSwitchOS 6.2.6 or 6.4.4 is not supported.

Downgrading FortiSwitchOS 7.0.0 and later requires converting the admin password first

Because FortiSwitchOS 7.0.0 changed from SHA1 to SHA256 encryption for admin passwords, you need to convert the format of the admin password before downgrading from FortiSwitchOS 7.0.0 and later to an earlier FortiSwitchOS version.



If you do not convert the admin password before downgrading from FortiSwitchOS 7.0.0 and later, the admin password will not work after the switch reboots with the earlier FortiSwitchOS version.

The encrypted admin password in FortiSwitchOS 7.0.0 and higher starts with “SH2”, and the encrypted admin password for earlier FortiSwitchOS versions starts with “AK1”.

If you do not want to convert the format of the FortiSwitch admin password, you can use the FortiOS CLI to override the managed FortiSwitch admin password with the FortiGate admin password.

To convert the format of the admin password in FortiSwitchOS 7.0.0 and later before downgrading to an earlier FortiSwitchOS version:

1. Enter the following FortiSwitchOS CLI command to convert the admin password from SHA256 to SHA1 encryption:

```
execute system admin account-convert <admin_name>
```

2. Downgrade your firmware.

To override the managed FortiSwitch admin password with the FortiGate admin password:

```
config switch-controller switch profile
  edit <FortiSwitch_profile_name>
    set login-passwd-override enable
    set login-passwd <new_password>
  end
```

NAC policies not maintained or converted when upgrading to 7.0.0

Existing NAC policies are not maintained or automatically converted into dynamic port policies after upgrading to FortiOS 7.0.0. They have to be reconfigured.

Upgrade information

FortiSwitchOS 7.0.2 supports upgrading from FortiSwitchOS 3.5.0 and later.

To determine a compatible FortiOS version, check the [FortiLink Compatibility matrix](#).

Within the Security Fabric, the FortiSwitch upgrade is done after the FortiGate upgrade. Refer to the latest [FortiOS Release Notes](#) for the complete Security Fabric upgrade order.

Product integration and support

FortiSwitchOS 7.0.2 support

The following table lists FortiSwitchOS 7.0.2 product integration and support information.

Web browser	<ul style="list-style-type: none">• Mozilla Firefox version 52• Google Chrome version 56 Other web browsers may function correctly, but are not supported by Fortinet.
FortiOS (FortiLink Support)	Refer to the FortiLink Compatibility table to find which FortiSwitchOS versions support which FortiOS versions.

Resolved issues

The following issues have been fixed in FortiOS 7.0.2. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
716571	The ICL connection between two switches at one site is missing in the topology.
723501	When STP is enabled on the hardware switch interface, FortiLink lost connection to the FortiSwitch unit.
727035	Unable to change FortiSwitch port status when native VLAN is empty.

Known issues

The following known issues have been identified with FortiOS 7.0.2. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Bug ID	Description
298348, 298994	Enabling the <code>hw-switch-ether-filter</code> command on the FG-92D model (the default setting) causes FortiSwitch devices to not be discovered.
520954	When a “FortiLink mode over a layer-3 network” topology has been configured, the FortiGate GUI does not always display the complete network.
527695	<p>Starting in FortiOS 6.4.0, VLAN optimization is enabled by default (<code>set vlan-optimization enable under config switch-controller global</code>). On a network running FortiSwitchOS earlier than 6.0.0, this change results in a synchronization error, but the network still functions normally. If you have FortiSwitchOS 6.0.x, you can upgrade to remove the synchronization error or disable VLAN optimization.</p> <p>On a network with <code>set allowed-vlans-all enable</code> configured (under <code>config switch-controller vlan-policy</code>), the setting reverts to the default, which is disabled, when upgrading to FortiOS 6.4.0. If you want to maintain the <code>allowed-vlans-all</code> behavior, you can restore it after the upgrade.</p>
586801	NetBIOS stops working when proxy ARP is configured and the access VLAN is enabled because FortiGate units do not support NetBIOS proxy.
621785	<code>user.nac-policy[].switch-scope</code> might contain a data reference to <code>switch-controller.managed-switch</code> . When this reference is set by an admin, the admin needs to remove this reference before deleting the <code>managed-switch</code> .



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