FortiSwitch Devices Managed by FortiOS Release Notes

FortiSwitch 7.0.4

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Change log

Date	Change Description
January 27, 2022	Initial document release for FortiOS 7.0.4

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Introduction

This document provides the following information for FortiSwitchOS 7.0.3 devices managed by FortiOS 7.0.4 build 0301:

- Special notices on page 7
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See the Fortinet Document Library for FortiSwitch documentation.

Refer to the FortiLink Compatibility table to find which FortiSwitchOS versions support which FortiOS versions.

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.

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What's new in FortiOS 7.0.4

The following list contains new managed FortiSwitch features added in FortiOS 7.0.4:

- Administrators no longer need to upload the FortiSwitch firmware for automatic provisioning when switches are authorized by FortiLink Now administrators can configure the managed FortiSwitch units to be automatically upgraded to the latest FortiSwitchOS version available in FortiGuard when the switches are authorized by FortiLink.
- The *Managed FortiSwitches* page now displays the full FortiSwitch model name. For example, *FortiSwitch 1024D* is now displayed in the *Managed FortiSwitches* page, instead of *FS1D24*.
- When you define the dynamic port policy rules for a dynamic port policy, you can now specify that a rule matches a specific hardware vendor before the switch controller changes the port's properties.

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Special notices

Support of FortiLink features

Refer to the FortiSwitchOS feature matrix for details about the FortiLink features supported by each FortiSwitchOS 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.

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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.

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Upgrade information

FortiSwitchOS 7.0.3 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 7.0.3 support

The following table lists FortiSwitchOS 7.0.3 product integration and support information.

Web browser	• 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 7.0.4. For inquiries about a particular bug, please contact Customer Service & Support.

Bug ID	Description
740661	The FortiGate device stops managing FortiSwitch units because of excessive configuration pushes.

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Known issues

The following known issues have been identified with FortiOS 7.0.4. For inquiries about a particular bug or to report a bug, please contact Fortinet Customer Service & Support.

Bug ID	Description
298348, 298994	Enabling the `hw-switch-ether-filter` 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	Starting in FortiOS 6.4.0, VLAN optimization is enabled by default (`set vlan-optimization enable` under `config switch-controller global`). 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. On a network with `set allowed-vlans-all enable` configured (under `config switch-controller vlan-policy`), the setting reverts to the default, which is disabled, when upgrading to FortiOS 6.4.0. If you want to maintain the allowed-vlans-all behavior, you can restore it after the upgrade.
586801	NetBIOS stops working when proxy ARP is configured and the access VLAN is enabled because FortiGate units do not support NetBIOS proxy.
621785	`user.nac-policy[].switch-scope` might contain a data reference to `switch-controller.managed-switch`. When this reference is set by an admin, the admin needs to remove this reference before deleting the `managed-switch`.

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