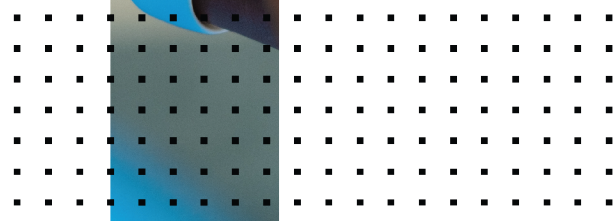
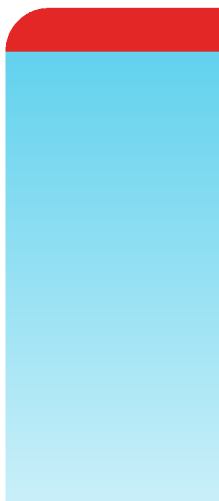


Release Notes

FortiSwitchOS 7.0.8



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January 17, 2024

FortiSwitchOS 7.0.8 Release Notes

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Change log

Date	Change Description
January 17, 2024	Initial release for FortiSwitchOS 7.0.8

Introduction

This document provides the following information for FortiSwitchOS 7.0.8 build 0102.

- [Supported models on page 5](#)
- [Special notices on page 7](#)
- [Upgrade information on page 8](#)
- [Product integration and support on page 9](#)
- [Resolved issues on page 10](#)
- [Known issues on page 11](#)

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

Supported models

FortiSwitchOS 7.0.8 supports the following models:

FortiSwitch 1xx	FS-108E, FS-108E-POE, FS-108E-FPOE, FS-108F, FS-108F-POE, FS-108F-FPOE, FS-124E, FS-124E-POE, FS-124E-FPOE, FS-124F, FS-124F-POE, FS-124F-FPOE, FS-148E, FS-148E-POE, FS-148F, FS-148F-POE, FS-148F-FPOE
FortiSwitch 2xx	FS-224D-FPOE, FS-224E, FS-224E-POE, FS-248D, FS-248E-POE, FS-248E-FPOE
FortiSwitch 4xx	FS-424D, FS-424D-FPOE, FS-424D-POE, FS-424E, FS-424E-POE, FS-424E-FPOE, FS-424E-Fiber, FS-M426E-FPOE, FS-448D, FS-448D-FPOE, FS-448D-POE, FS-448E, FS-448E-POE, FS-448E-FPOE
FortiSwitch 5xx	FS-524D-FPOE, FS-524D, FS-548D, FS-548D-FPOE
FortiSwitch 1xxx	FS-1024D, FS-1024E, FS-1048D, FS-1048E, FS-T1024E
FortiSwitch 3xxx	FS-3032D, FS-3032E
FortiSwitch Rugged	FSR-112D-POE, FSR-124D

What's new in FortiSwitchOS 7.0.8

Release 7.0.8 provides the following new features:

- The Message-Authenticator attribute is now used for authentication in MAC authentication bypass (MAB) Access-Request messages.

Special notices

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 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”.

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 CLI command to convert the admin password from SHA256 to SHA1 encryption:

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

2. Downgrade your firmware.

Connecting multiple FSR-112D-POE switches

The FSR-112D-POE switch does not support interconnectivity to other FSR-112D-POE switches using the PoE ports. Fortinet recommends using the SFP ports to interconnect switches.

Upgrade information

FortiSwitchOS 7.0.8 supports upgrading from FortiSwitchOS 3.5.0 and later.

For FortiSwitch units managed by FortiGate units, refer to the [FortiSwitch Devices Managed by FortiOS Release Notes](#) for upgrade information.

Product integration and support

FortiSwitchOS 7.0.8 support

The following table lists FortiSwitchOS 7.0.8 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 FortiSwitchOS 7.0.8. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
760843	802.1x MAC Authentication Bypass (MAB) switch sessions are not reauthenticated on port4 of a FS-108E.
845706	The output of the <code>diagnose switch-controller switch-info 802.1X</code> command differs.
897887	After enabling the blocking of intra-VLAN traffic on the VLAN, the clients cannot reach the Internet.
918017	Using RSPAN on managed FSR-112D switches under FortiOS 7.0.11 causes network interruptions.
940956	Adding or removing an SNMP community on a tier-1 MCLAG switch causes the switch to become unresponsive for 10 seconds on all VLANs when a large number of network interfaces are configured.
942717	After changing any settings that cause the firewall rules to refresh, the Virtual Router Redundancy Protocol (VRRP) flaps.
946223	The SSL certificate chain contains RSA keys with fewer than 2,048 bits.
951139	When DHCP snooping is collecting traffic from all VLANs, there is high CPU usage in low-end switch models.
958126	For the FS-2048F model, there is a crash in FortiLAN Cloud when a user tries to download the configuration or back up the full configuration.
959416	There are log messages that the FS-108F-POE model reached or exceeded the warning temperature threshold, but the <code>diagnose sys pcb temp</code> command shows that the switch temperature has not.
961041	802.1X authentication does not work when the Windows client is used with the FortiGate local database and FIPS.
965182	MAB event processing needs to be synchronized with the <code>allow vlan</code> value.
984228	After upgrading to FortiSwitchOS 7.4.2, 7.4.1, 7.2.6, 7.2.5, or 7.0.7, the management interface cannot be reached by ping or HTTPS.

Known issues

The following known issues have been identified with FortiSwitchOS 7.0.8. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Bug ID	Description
382518, 417024, 417073, 417099, 438441	DHCP snooping and dynamic ARP inspection (DAI) do not work with private VLANs (PVLANS).
414972	IGMP snooping might not work correctly when used with 802.1x Dynamic VLAN functionality.
463161	Upgrading the FS-448D from FortiSwitchOS 3.5.6 to 3.6.3 fails with an "Invalid root configuration data." error.
480605	When DHCP snooping is enabled on the FSR-112D-POE, the switched virtual interface (SVI) cannot get the IP address from the DHCP server. Workarounds: —Use a static IP address in the SVI when DHCP snooping is enabled on that VLAN. —Temporarily disable dhcp-snooping on vlan, issue the <code>execute interface dhcpclient-renew <interface></code> command to renew the IP address. After the SVI gets the IP address from the DHCP server, you can enable DHCP snooping.
510943	The time-domain reflectometer (TDR) function (cable diagnostics feature) reports unexpected values. Workaround: When using the cable diagnostics feature on a port (with the <code>diagnose switch physical-ports cable-diag <physical port name></code> CLI command), ensure that the physical link on its neighbor port is down. You can disable the neighbor ports or physically remove the cables.
542031	For the 5xx switches, the <code>diagnose switch physical-ports led-flash</code> command flashes only the SFP port LEDs, instead of all the port LEDs.
548783	Some models support setting the mirror destination to "internal." This is intended only for debugging purposes and might prevent critical protocols from operating on ports being used as mirror sources.
572052	Backup files from FortiSwitchOS 3.x that have 16-character-long passwords fail when restored on FortiSwitchOS 6.x. In FortiSwitchOS 6.x, file backups fail with passwords longer than 15 characters. Workaround: Use passwords with a maximum of 15 characters for FortiSwitchOS 3.x and 6.x.
585550	When packet sampling is enabled on an interface, packets that should be dropped by uRPF will be forwarded.

Bug ID	Description
606044, 610149	The results are inaccurate when running cable diagnostics on the FS-108E, FS-124E, FS-108E-POE, FS-108E-FPOE, FS-124E-POE, FS-124E-FPOE, FS-148E, and FS-148E-POE models.
609375	The FortiSwitchOS supports four priority levels (critical, high, medium, and low); however, The SNMP Power Ethernet MIB only supports three levels. To support the MIB, a power priority of medium is returned as low for the PoE MIB.
667079	For the FSR-112D-POE model: <ul style="list-style-type: none">• If you have enabled IGMP snooping or MLD snooping, the FortiSwitch unit does not support IPv6 functionalities and cannot pass IPv6 protocol packets transparently.• If you want to use IGMP snooping or MLD snooping with IPv6 functionalities, you need to enable <code>set flood-unknown-multicast</code> under the <code>config switch global</code> command.
724813	The <code>set enforce-first-as {disable enable}</code> command should have been placed under <code>config neighbor</code> and does not work in its current location (directly under <code>config router bgp</code>). There is no patch available for this issue.
784585	When a dynamic LACP trunk has formed between switches in an MRP ring, the MRP ring cannot be closed. Deleting the dynamic LACP trunk does not fix this issue. MRP supports only physical ports and static trunks; MRP does not support dynamic LACP trunks. Workaround: Disable MRP and then re-enable MRP.
833450	Do not use multicast IP addresses in the ranges of 224-239.0.0.x and 224-239.128.0.x on the FS-2xxD, FS-2xxE, FS-4xxD, and FS-4xxE models. Workaround: Upgrade to FortiSwitchOS 7.2.4 or 7.4.0.
940586, 958210	For the FS-148F, FS-148F-POE, and FS-148F-FPOE models, there might be packet loss after the packet sampler or packet capture is enabled.



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