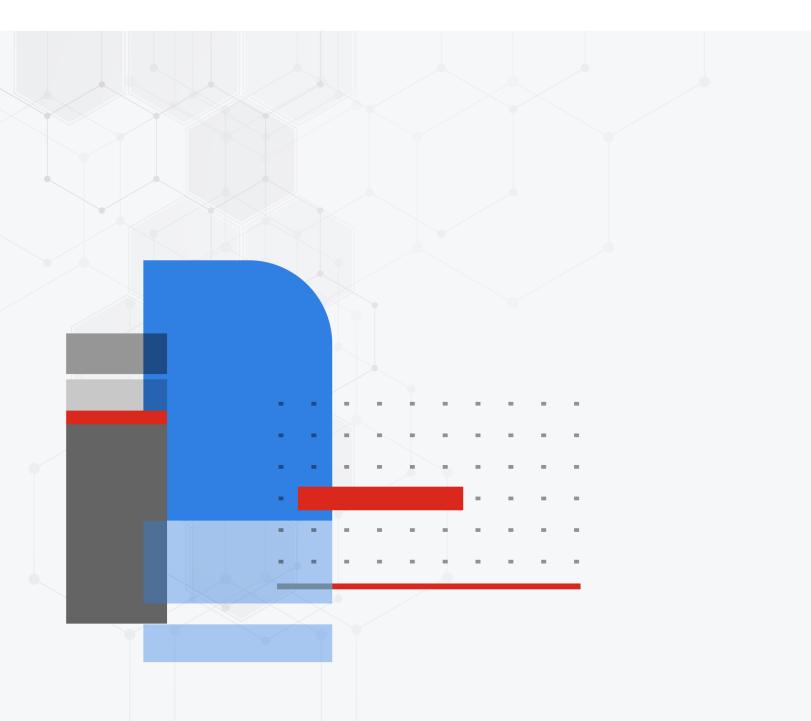# FortiLink Release Notes (FortiOS 7.4.8)

FortiSwitchOS 7.4.7

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Change log

Date	Change Description
May 27, 2025	Initial document release for FortiOS 7.4.8

What's new in FortiOS 7.4.8

The following list contains new managed FortiSwitch features added in FortiOS 7.4.8:

- You can now specify the source IP address in a FortiSwitch unit for the following:
  - Layer-3 FortiLink with CAPWAP tunnel mode (in-band management and out-of-band management) (IPv4 and IPv6)
  - Layer-3 FortiLink with HTTPS tunnel mode (in-band management and out-of-band management) (IPv4)
  - FortiCloud management (IPv4)

  This feature requires FortiSwitchOS 7.4.7, 7.6.2, or later but supports all versions of FortiOS.

Introduction

This document provides the following information for FortiSwitch 7.4.7 devices managed by FortiOS 7.4.8 build 2795:

- Special notices on page 8
- 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 FortiSwitchOS documentation.

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

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, FortiGate-VM01	8
FortiGate 6xE, 8xE, 90E, 91E	16
FGR-60F, FG-60F, FGR-60F-3G4G, FG-61F, FGR-70F, FGR-70F-3G4G, FG-80F, FG-80FB, FG-80FP, FG-81F, FG-81FP, FG-90G, FG-91G	24
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 26xxF	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.

Special notices

Support of FortiLink features

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

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Upgrade information

> 💡 Check the FortiSwitchOS Release Notes before upgrading the FortiSwitch firmware from the FortiGate Switch Controller.

FortiSwitchOS 7.4.7 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.

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Product integration and support

FortiSwitchOS 7.4.7 support

The following table lists FortiSwitchOS 7.4.7 product integration and support information.

Web browser	- Microsoft Edge 112 - Mozilla Firefox version 113 - Google Chrome version 113 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 7.4.8. For inquiries about a particular bug, please contact Customer Service & Support.

Bug ID	Description
903922	The Security Fabric physical and logical topologies are slow to load when there are a lot of downstream devices, including FortiGate devices, FortiSwitch units, FortiAP units, and endpoint device traffic. This is a GUI-only display issue and does not impact the operations of downstream devices.
1015992	When a FortiLink interface is down and the *Lockdown ISL* toggle is disabled on the GUI, the setting is not retained.
1016034	In an HA environment with FortiSwitch units connected, the *Lockdown ISL* setting on the FortiLink interface is enabled during HA failover.
1034470	The FortiGate GUI shows multiple entries for the same FortiSwitch unit when exporting it to be used by several VDOMs.
1044150	Firmware installation fails when upgrading FortiSwitch units through the FortiGate GUI.
1055052	NAC policies are not visible from the GUI if you configure `user nac-policy` without `set switch-fortilink <interface_name>`. **Workaround:** Use the CLI to view the NAC policies.
1069164	After managed switches are restarted, they incorrectly revert to the default time zone due to improper handling of zero-minute GMT values in the configuration.
1071594	Users cannot de-select all values from *Allowed VLANs* and related policies due to a GUI malfunction.
1074981	The FortiSwitch port configuration GUI under FortiOS 7.6.0 no longer allows users to de-select all values for *Allowed VLANs*, *Security Policy*, or *QOS Policy*.
1077496	High CPU usage occurs when flpold/flcfgd processes mishandle socket messages during WAD operations due to incomplete or corrupted data.
1096481	Access-mode changes cannot be made for FortiSwitch ports when using the FortiOS GUI. **Workaround:** Use the CLI to change the access mode of the FortiSwitch ports.
1108965	After deleting the `dhcp-snooping-static-client` entry and then shutting down or bringing up a port, there is a configuration synchronization error when making any configuration changes.
1130242	Only the last SNMP community configuration is pushed from the FortiGate device to the FortiSwitch unit during bulk processing.
1113465	On a random basis, VLANs fail to be assigned on FortiSwitch ports when devices matching a dynamic port policy (DPP) come online; this is causes by a race condition during the FortiSwitch initialization.
1138333	The FortiLink configuration daemon needs to use memory more efficiently.

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Known issues

The following known issues have been identified with FortiOS 7.4.8. 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`.
789914	• When LAN segments are enabled on the 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-148E, FS-148E-POE, FS-148F, FS-148F-POE, FS-148F-FPOE, FS-124F, FS-124F-POE, and FS-124F-FPOE models, the internal VLAN (`set lan-internal-vlan`) is assigned automatically by default. If the same VLAN is configured on the FortiGate device, the configuration fails when it is pushed to the FortiSwitch unit without any warning message. **WORKAROUND:** Use a custom command. • All sub-VLANs must belong to the same MSTP instance if the FortiLink configuration includes the 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-148E, FS-148E-POE, FS-148F, FS-148F-POE, FS-148F-FPOE, FS-124F, FS-124F-POE, and FS-124F-FPOE models.
813216	After CAPWAP offload is enabled or disabled, FortiLink goes down.

Bug ID	Description
910962	After setting values for `src-mac`, `dst-mac`, and `vlan` for the ACL classifier, you cannot use the `unset` command to remove these settings. **WORKAROUND:** 1. Remove `set acl-group <ACL_group_name>` from under the `config switch-controller managed-switch` command. 2. Delete the ACL group. 3. Delete the ACL. 4. Reconfigure the ACL.
940248	When both network device detection (`config switch network-monitor settings`) and the switch controller routing offload are enabled, the FS-1048E switch generates duplicate packets.
961142	An interface in FortiLink flaps when you have an MCLAG FortiSwitch unit using a direct-attach cable (DAC) on an OPSFPP-T-05-PAB transceiver.
1114032	A switch port reports an HTTP 500 error when loading in the GUI.
1138263, 1153905	The FortiGate 200F GUI does not display FortiSwitch ports, and the changes are not updated to the switch.
1150215	Offline FortiSwitch units are shown incorrectly as online in the List view. **Workaround:** Use the Topology view.
1153175	There are intermittent issues with configuring allowed VLANs on the MCLAG interface using the FortiGate GUI and CLI.

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