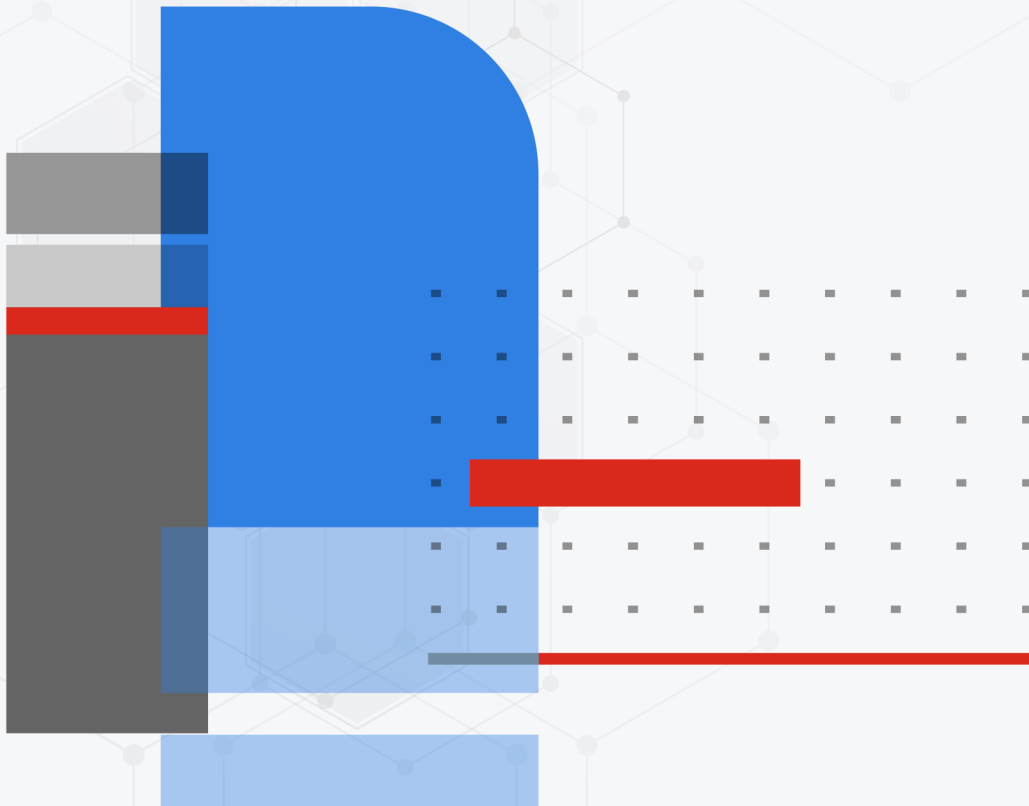




FortiLink Release Notes (FortiOS 7.4.5)

FortiSwitchOS 7.4.3



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FortiSwitchOS 7.4.3 FortiLink Release Notes (FortiOS 7.4.5)

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Change log

Date	Change Description
September 17, 2024	Initial document release for FortiOS 7.4.5
September 26, 2024	Added a note in Upgrade information on page 9 .
October 23, 2024	Added bug 1044150.

What's new in FortiOS 7.4.5

This release is a patch release only. No new managed FortiSwitch features have been added in FortiOS 7.4.5.

Introduction

This document provides the following information for FortiSwitch 7.4.3 devices managed by FortiOS 7.4.5 build 2702:

- [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.

Upgrade information



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

FortiSwitchOS 7.4.3 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 7.4.3 support

The following table lists FortiSwitchOS 7.4.3 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 7.4.5. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
688724	Applying a nondefault LLDP profile to a switch port does not work.
960240	After any setup changes, the inter-switch links are showing incorrectly as dotted on the Topology view of the <i>WiFi & Switch Controller > Managed FortiSwitches</i> page.
1023888	The FortiGate GUI cannot be used to change the native and allowed VLANs on the <i>WiFi & Switch Controller > FortiSwitch Ports</i> page.
1032105	When a port is split on a managed switch, the FortiGate HA mode becomes unsynchronized.
1033874	The cu_acd application crashes with a signal 6.
1042390	When the NAC policy is using a wildcard MAC address, you cannot save the NAC policy using the GUI.
1052908	When the switch name does not match the switch's serial number, the status of the FortiSwitch unit is incorrectly shown as "device not registered" in the <i>Security Fabric Setup</i> widget (<i>Security Fabric > Fabric Connectors</i>).
1058289	The maximum number of FortiSwitch units supported by FG-90G and FG-91G should be 24.

Known issues

The following known issues have been identified with FortiOS 7.4.5. 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</code> under <code>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> .
789914	<ul style="list-style-type: none"> 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 (<code>set lan-internal-vlan</code>) 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.
814674	When upgrading a FortiAP or FortiSwitch unit that is connected to a downstream FortiGate device, a "Failed to retrieve upgrade progress" message appears.

Bug ID	Description
910962	<p>After setting values for <code>src-mac</code>, <code>dst-mac</code>, and <code>vlan</code> for the ACL classifier, you cannot use the <code>unset</code> command to remove these settings.</p> <p>WORKAROUND:</p> <ol style="list-style-type: none">1. Remove <code>set acl-group <ACL_group_name></code> from under the <code>config switch-controller managed-switch</code> command.2. Delete the ACL group.3. Delete the ACL.4. Reconfigure the ACL.
940248	<p>When both network device detection (<code>config switch network-monitor settings</code>) and the switch controller routing offload are enabled, the FS-1048E switch generates duplicate packets.</p>
955550	<p>Unexpected behavior from the aggregate controller daemon and FortiLink daemon is causing the CPU to handle the majority of the traffic instead of the NPU.</p>
1044150	<p>When the <code>tunnel-mode</code> is set to <code>strict</code> or <code>moderate</code> (under the <code>config switch-controller system</code> command), the FortiOS configuration might not be pushed to managed FortiSwitch units.</p>



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