



# FortiLink Release Notes (FortiOS 7.6.4)

FortiSwitchOS 7.6.4



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FortiSwitchOS 7.6.4 FortiLink Release Notes (FortiOS 7.6.4)

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## Change log

Date	Change Description
August 21, 2025	Initial document release for FortiOS 7.6.4
August 27, 2025	Added bug 1181893.

## What's new in FortiOS 7.6.4

The following list contains new managed FortiSwitchOS features added in FortiOS 7.6.4:

- You can now configure the maximum burst size allowed by storm control globally or per switch.
- You can now log events that violate the IPv4 source-guard settings. The IPv4 source-guard violation log contains a maximum of 128 entries with a maximum of 5 entries per port, even if more violations have occurred. The IPv4 source-guard violation log applies to all FortiSwitch units in the virtual domain (VDOM). You can also specify how many seconds before source guard violations are removed from the log.
- You can now use both FortiSwitch network access control (NAC) and 802.1X authentication on the same switch port. After a device is successfully authenticated with 802.1X authentication, the NAC user policy checks if the device is assigned to a specific user group. If the device matches the NAC user policy, it is assigned to a specific VLAN.
- FortiOS now supports configuring the following features on layer-3 managed switches:
  - Switched virtual interfaces (SVIs)
  - Routed virtual interfaces (RVIs)
  - Static IPv4 routing
  - Virtual routing and forwarding (VRF)
  - DHCP servers
- The maximum length for managed FortiSwitch names has changed from 16 characters to 35 characters.

# Introduction

This document provides the following information for FortiSwitch 7.6.4 devices managed by FortiOS 7.6.4 build 3596:

- [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.

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
FGR-60F, FG-60F, FGR-60F-3G4G, FG-61F, FG-70F, FG-71F, FG-80F, FG-80FB, FG-80FP, FG-81F, FG-81FP, FG-90G, FG-91G, FortiGate-VM02	24
FortiGate 100F, 101F	32
FG-120G, FG-121G	48
FortiGate 200E, 201E, 200F, 201F, 800D, 900D, FortiGate-VM04	64
FortiGate 300E to 500E	72
FortiGate 600E to 900E, 400F, 401F, 601F	96
FortiGate 1000D, 600F	128
FortiGate 900G, 901G, 1000F, 1001F, 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.

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FortiSwitchOS 7.6.4 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 7.6.4 support

The following table lists FortiSwitchOS 7.6.4 product integration and support information.

<b>Web browser</b>	<ul style="list-style-type: none"><li>• Microsoft Edge 135</li><li>• Mozilla Firefox version 138</li><li>• Google Chrome version 136</li></ul> <p>Other web browsers might function correctly, but are not supported by Fortinet.</p>
<b>FortiOS (FortiLink Support)</b>	Refer to the <a href="#">FortiLink Compatibility table</a> to find which FortiSwitchOS versions support which FortiOS versions.

## Resolved issues

The following issues have been fixed in FortiOS 7.6.4. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
961142	An interface in FortiLink flaps when using an MCLAG with DAC on the OPSFPP-T-05-PEB transceiver.
1114032	The FortiGate GUI becomes slow or unresponsive when transceiver-related API requests fail.
1135460	After the managed switch is renamed, the health status in the <i>WiFi &amp; Switch Controller &gt; Managed FortiSwitches</i> page shows as unknown.
1137075	In the <i>WiFi &amp; Switch Controller &gt; Managed FortiSwitches</i> page, the <i>Topology</i> view shows the link between FortiSwitch units with a dotted line instead of a solid line.
1137213	Customers cannot register FortiSwitch units in FortiCloud using the FortiGate GUI.
1138263, 1153905	When there are excessive open connections, the FortiSwitch port configurations do not update, and GUI display issues occur.
1138430	The <code>switch-id</code> for managed switches cannot be longer than 16 characters.
1149817	The <i>Security Fabric &gt; Physical Topology</i> incorrectly shows a FortiLink tier-2 switch as directly connected to a FortiGate device.

## Known issues

The following known issues have been identified with FortiOS 7.6.4. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

Bug ID	Description
298348, 298994	Enabling the <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	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.  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.
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"> <li>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. <b>WORKAROUND:</b> Use a custom command.</li> <li>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.</li> </ul>
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><b>WORKAROUND:</b></p> <ol style="list-style-type: none"> <li>1. Remove <code>set acl-group &lt;ACL_group_name&gt;</code> from under the <code>config switch-controller managed-switch</code> command.</li> <li>2. Delete the ACL group.</li> <li>3. Delete the ACL.</li> <li>4. Reconfigure the ACL.</li> </ol>
940248	<p>When both network device detection (<code>config switch network-monitor</code> settings) and the switch controller routing offload are enabled, the FS-1048E switch generates duplicate packets.</p>
1113304	<p>After the FortiGate device is upgraded from FortiOS 7.6.0 to 7.6.1 or higher when the LLDP configuration is set to <code>vdom</code> or disabled under the FortiLink interface, the FortiSwitch units are offline.</p> <p><b>WORKAROUND:</b></p> <p>Enable the <code>lldp-reception</code> and <code>lldp-transmission</code> LLDP configurations under the FortiLink interface or rebuild the FortiLink interface.</p> <p>For example:</p> <pre>config system global   set lldp-reception enable   set lldp-transmission enable end</pre>
1174647	<p>This issue affects a FortiGate device running any version of FortiOS and managing one or more FortiSwitch units that are running FortiSwitchOS 7.4.7 (or later) or 7.6.2 (or later). When the total number of trunk members exceeds five on any managed switch, the Topology view displays incorrectly on the FortiGate device; however the data traffic is not affected.</p> <p><b>Workarounds:</b></p> <ul style="list-style-type: none"> <li>• Downgrade FortiSwitchOS to 7.6.1 or 7.4.6.</li> <li>• Reduce the total number of trunk member ports to five or fewer on the affected switch.</li> <li>• Change the FortiLink management mode to HTTPS on the affected switch.</li> </ul> <p>If you are changing the FortiLink management mode to HTTPS:</p> <ol style="list-style-type: none"> <li>a. If the switch is a core switch and <code>fortilink-neighbor-detect</code> is set to <code>lldp</code>, change the <code>fortilink-neighbor-detect</code> mode to <code>fortilink</code>. Before doing so, verify that the FortiLink trunk on the switch does not have the <code>set static-isl enable</code> setting.</li> <li>b. After changing the <code>fortilink-neighbor-detect</code> mode to <code>fortilink</code> on the FortiGate device, ensure that the name of the FortiLink trunk on the switch does not include the <code>-0</code> suffix.</li> <li>c. Enable <code>set isl-static enable</code> in that FortiLink trunk.</li> </ol>
1181893	<p>There are some display issues in the <i>Topology</i> view of the <i>WiFi &amp; Switch Controller &gt; Managed FortiSwitches</i> page, such as missing connections between devices and a duplicated FortiLink interface.</p> <p><b>Workaround:</b> Refresh the browser page.</p>



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