

FortiSwitch Release Notes

Version 6.4.5



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FortiSwitch Release Notes

April 22, 2021

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TABLE OF CONTENTS

| Change log | 4 |
|--|----|
| Introduction | 5 |
| Supported models | 5 |
| What's new in FortiSwitchOS 6.4.5 | 6 |
| Special notices | 7 |
| Supported features for FortiSwitchOS 6.4.5 | 7 |
| Connecting multiple FSR-112D-POE switches | 15 |
| Upgrade information | 16 |
| Product integration and support | 17 |
| FortiSwitch 6.4.5 support | 17 |
| Resolved issues | 18 |
| Known issues | 19 |

Change log

| Date | Change Description |
|-------------------|---|
| December 14, 2020 | Initial release for FortiSwitchOS 6.4.5 |
| December 16, 2020 | Added bug 673468. |
| December 21, 2020 | Removed a note ("For 1xxE/1xxF models, hardware static routing is not supported. Software static routing is supported instead, with a rate limit for routed packets.") from the "Supported features for FortiSwitchOS 6.4.5" section. |
| January 11, 2021 | Added bugs 687698 and 688624. |
| April 22, 2021 | Added bug 682442. |

Introduction

This document provides the following information for FortiSwitch 6.4.5 build: 0461.

- Supported models on page 5
- Special notices on page 7
- Upgrade information on page 16
- Product integration and support on page 17
- Resolved issues on page 18
- Known issues on page 19

See the Fortinet Document Library for FortiSwitch documentation.

Supported models

FortiSwitch 6.4.5 supports the following models:

| FortiSwitch 1xx | FS-108E, FS-108E-POE, FS-108E-FPOE, FS-124E, FS-124E-POE, FS-124E-FPOE, FS-124F-POE, FS-124F-POE, FS-148E-POE, FS-148F-POE, FS-148F-POE |
|--------------------|--|
| 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-FPOE, FS-448D-FPOE, FS-448D-FPOE, FS-448E-FPOE, FS-448E-FPOE |
| FortiSwitch 5xx | FS-524D-FPOE, FS-524D, FS-548D, FS-548D-FPOE |
| FortiSwitch 1xxx | FS-1024D, FS-1048D, FS-1048E |
| FortiSwitch 3xxx | FS-3032D, FS-3032E |
| FortiSwitch Rugged | FSR-112D-POE, FSR-124D |

What's new in FortiSwitchOS 6.4.5

FortiSwitchOS 6.4.5 provides the following new features:

• The maximum number of IGMP-snooping and MLD-snooping groups has been increased. The following are the maximum number of groups:

| FSR-112D-POE | 4,096 |
|---|--|
| FSR-124D, FS-2xxD, FS-2xxE, FS-4xxD, FS-4xxE, FS-M426E-FPOE | 1,024 |
| FS-124E, FS-124F, and FS-108E | 1,024 |
| FS-148E and FS-148F | 4,096 |
| FS-5xx | 8,192 (IGMP snooping) and 6,144 (MLD snooping) |
| FS-1048E | 8,192 |
| FS-1048D and FS-1024D | 4,096 |
| FS-3032D and FS-3032E | 8,192 |

• You can now use the diagnostic monitoring interface (DMI) to monitor QSFP28 transceivers.

Special notices

Supported features for FortiSwitchOS 6.4.5

The following table lists the FortiSwitch features in Release 6.4.5 that are supported on each series of FortiSwitch models. All features are available in Release 6.4.5, unless otherwise stated.

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|---|-----------------------|--------------|----------|----------------------|------|--------------------------------|---------------|-------------------------|----------------|
| Management and Co | onfiguration | ı | | | | | | | |
| CPLD software upgrade support for OS | _ | _ | _ | _ | _ | _ | _ | 1024D 1048D | _ |
| Firmware image rotation (dual-firmware image support) | _ | ✓ | ✓ | 148E 148E- POE | ✓ | ✓ | √ | ✓ | ✓ |
| HTTP REST APIS for configuration and monitoring | _ | ✓ | ✓ | ✓ | ✓ | ✓ | √ | ✓ | ✓ |
| Support for switch SNMP OID | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IP conflict detection and notification | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| FortiSwitch Cloud configuration | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Auto topology | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Security and Visibili | ity | | | | | | | | |
| 802.1x port mode | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| 802.1x MAC-based security mode | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|--|-----------------------|--------------|----------|--------------|------|--------------------------------|---------------|-------------------------|----------------|
| User-based (802.1x) VLAN assignment | ✓ | √ | √ | ✓ | ✓ | ✓ | √ | ✓ | ✓ |
| 802.1x enhancements, including MAB | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MAB reauthentication disabled | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| open-auth mode | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Support of the RADIUS accounting server | Partial | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | √ | ✓ |
| Support of RADIUS CoA and disconnect messages | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| EAP Pass-Through | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Network device detection | _ | - | ✓ | - | ✓ | ✓ | ✓ | ✓ | ✓ |
| IP-MAC binding (IPv4) | ✓ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| sFlow (IPv4) | ✓ | ✓ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Flow export (IPv4) | ✓ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ACL (IPv4) | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Multistage ACL (IPv4) | ✓ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| Multiple ingress ACLs (IPv4) | ✓ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Schedule for ACLs (IPv4) | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|---|-----------------------|--------------|----------|--------------|------|--------------------------------|---------------|-------------------------|----------------|
| DHCP snooping | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DHCPv6 snooping | ✓ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Allowed DHCP server list | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IP source guard (IPv4) | ✓ | _ | ✓ | _ | ✓ | ✓ | _ | _ | _ |
| IP source-guard violation log | _ | _ | ✓ | _ | ✓ | ✓ | _ | _ | _ |
| Dynamic ARP inspection (IPv4) | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| ARP timeout value | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Access VLANs (See Note 8.) | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| RMON group 1 | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Reliable syslog | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Packet capture | ✓ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MACsec (See Note 7.) | _ | _ | _ | _ | _ | _ | ✓ | _ | _ |
| Layer 2 | | | | | | | | | |
| Link aggregation group size (maximum number of ports) (See Note 2.) | ✓ | 8 | 8 | 8 | 8 | 8 | 24/48 | 24/48 | 24 64 |
| LAG min-max- bundle | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IPv6 RA guard | _ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IGMP snooping | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|--|-----------------------|--------------|----------|--------------|------|--------------------------------|---------------|-------------------------|----------------|
| IGMP proxy | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IGMP querier | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MLD snooping | _ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| MLD proxy | _ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| MLD querier | _ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| LLDP transmit | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LLDP-MED | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| LLDP-MED: ELIN support | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Per-port max for learned MACs | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | _ | _ |
| MAC learning limit (See Note 4.) | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | _ | _ |
| Learning limit violation log (See Note 4.) | _ | _ | ✓ | ✓ | ✓ | ✓ | √ | _ | _ |
| set mac-violation- timer | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Sticky MAC | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Total MAC entries | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MSTP instances | _ | 0-15 | 0-15 | 0-15 | 0-15 | 0-15 | 0-32 | 0-32 | 0-32 |
| STP root guard | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| STP BPDU guard | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Rapid PVST interoperation | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|---|-----------------------|--------------|----------|--------------|------|--------------------------------|---------------|-------------------------|----------------|
| 'forced-untagged' or 'force-tagged' setting on switch interfaces | _ | √ | ✓ | ✓ | ✓ | ✓ | √ | ✓ | √ |
| Private VLANs | ✓ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Multi-stage load balancing | _ | _ | _ | _ | _ | _ | _ | ✓ | ✓ |
| Priority-based flow control | _ | - | _ | _ | - | _ | ✓ | ✓ | ✓ |
| Ingress pause metering | _ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | 3032D |
| Storm control | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Per-port storm control | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Global burst-size control | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MAC/IP/protocol- based VLAN assignment | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Virtual wire | ✓ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Loop guard | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Percentage rate control | ✓ | - | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| VLAN stacking (QinQ) | _ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| VLAN mapping | _ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| SPAN | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| RSPAN and ERSPAN (IPv4) | ✓ | RSPAN | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|---|-----------------------|--------------|----------|--------------|------|--------------------------------|---------------|-------------------------|----------------|
| Flow control | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Layer 3 | | | | | | | | | |
| Link monitor (IPv4) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Static routing (IPv4/IPv6) | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Hardware routing offload (IPv4/IPv6) | ✓ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Software routing only (IPv4/IPv6) | ✓ | ✓ | _ | ✓ | _ | _ | _ | _ | _ |
| OSPF (IPv4/IPv6) (See Note 3.) | ✓ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OSPF database overflow protection (IPv4) | _ | - | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| OSPF graceful restart (helper mode only) (IPv4) | _ | _ | _ | _ | ✓ | ✓ | √ | ✓ | ✓ |
| RIP (IPv4/IPv6) (See Note 3.) | ✓ | _ | - | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| VRRP (IPv4/IPv6) (See Note 3.) | ✓ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BGP (IPv4/IPv6) (See Note 3.) | _ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| IS-IS (IPv4/IPv6) (See Note 3.) | _ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| PIM (IPv4) (See Note 3.) | _ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| Hardware-based ECMP (IPv4) | _ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| VRF (IPv4/IPv6) | _ | _ | _ | _ | _ | _ | _ | ✓ | ✓ |

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|---|-----------------------|--------------|----------|--------------|------|--------------------------------|---------------|-------------------------|----------------|
| Static BFD (IPv4/IPv6) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| BFD for BGPv6 | _ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| BFD for RIPng | _ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| uRPF | _ | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ |
| DHCP relay (IPv4) | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| DHCP server (IPv4) | ✓ | _ | _ | _ | ✓ | 4xx only | ✓ | ✓ | ✓ |
| High Availability | | | | | | | | | |
| MCLAG (multichassis link aggregation) | Partial | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| STP supported in MCLAGs | _ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| IGMP snooping support in MCLAG | ✓ | - | _ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Quality of Service | | | | | | | | | |
| 802.1p support, including priority queuing trunk and WRED | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QoS queue counters | _ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| QoS marking (IPv4/IPv6) | _ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Summary of configured queue mappings | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Egress priority tagging (IPv4/IPv6) | _ | _ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|--|-----------------------|--------------|----------|--|----------|--------------------------------|---------------|-------------------------|----------------|
| ECN (IPv4/IPv6) | _ | _ | _ | _ | ✓ | _ | ✓ | ✓ | ✓ |
| Real-time egress queue rates | _ | _ | _ | _ | _ | ✓ | ✓ | ✓ | ✓ |
| Miscellaneous | | | | | | | | | |
| PoE-pre-standard detection (See Note 1.) | _ | ✓ | ✓ | FS- 1xxE POE | ✓ | ✓ | ✓ | _ | _ |
| PoE modes support: first come, first served or priority based (PoE models) | _ | ✓ | ✓ | FS- 1xxE POE | ✓ | ✓ | ✓ | _ | _ |
| Control of temperature alerts | _ | ✓ | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Split port (See Note 6.) | Partial | _ | _ | _ | _ | _ | ✓ | 1048E | ✓ |
| TDR (time-domain reflectometer)/cabl e diagnostics support | ✓ | _ | ✓ | ✓ | ✓ | ✓ | ✓ | _ | _ |
| Auto module max speed detection and notification | ✓ | _ | _ | _ | _ | _ | ✓ | √ | _ |
| Monitor system temperature (threshold configuration and SNMP trap support) | _ | ✓ | √ | FS- 124E- POE FS- 124E- FPOE FS- 148E- FS- 148E- POE | ✓ | ✓ | √ | ✓ | √ |

| Feature | GUI sup- ported | 112D- POE | FSR-124D | 1xxE 1xxF | 4xxE | 200 Series 400 Series | 500 Series | 1024D 1048D 1048E | 3032D 3032E |
|--|-----------------------|--------------|----------|--------------|------|--------------------------------|---------------|-------------------------|----------------|
| Cut-through switching | _ | _ | _ | _ | _ | _ | _ | ✓ | ✓ |
| Add CLI to show the details of port statistics | _ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Configuration of the QSFP low-power mode | _ | _ | _ | _ | _ | _ | ✓ | 1048D 1048E | ✓ |
| Energy-efficient Ethernet | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | _ | _ |
| PHY Forward Error Correction (See Note 5.) | _ | _ | _ | _ | _ | _ | _ | 1048E | 3032E |
| PTP transparent clock (IPv4/IPv6) | _ | _ | _ | _ | ✓ | ✓ | ✓ | 1048E | ✓ |

Notes

- 1. PoE features are applicable only to the model numbers with a POE or FPOE suffix.
- 2. 24-port LAG is applicable to 524D, 524-FPOE, 1024D, and 3032D models. 48-port LAG is applicable to 548D, 548-FPOE, and 1048D models.
- 3. To use the dynamic layer-3 protocols, you must have an advanced features license.
- 4. The per-VLAN MAC learning limit and per-trunk MAC learning limit are not supported on the 448D/448D-POE/448D-FPOE/248E-POE/248D series.
- 5. Supported only in 100G mode (clause 91).
- 6. On the 3032E, you can split one port at the full base speed, split one port into four sub-ports of 25 Gbps each (100G QSFP only), or split one port into four sub-ports of 10 Gbps each (40G or 100G QSFP).
- 7. Supported on 5xxD 10G ports.
- 8. The maximum number of access VLANs on the FS-1xxE models is 16; the maximum number of access VLANs on the FS-148F models is 32.

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

FortiSwitch 6.4.5 supports upgrading from FortiSwitch 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. See https://docs.fortinet.com/document/fortiswitch/6.4.3/managed-switch-release-notes.

Product integration and support

FortiSwitch 6.4.5 support

The following table lists 6.4.5 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) | FortiLink is supported on all FortiSwitch models when running FortiOS 5.4.0 and later and FortiSwitchOS 3.2.1 and later. |

Resolved issues

The following issues have been fixed in FortiSwitchOS 6.4.5. For inquiries about a particular bug, please contact Customer Service & Support.

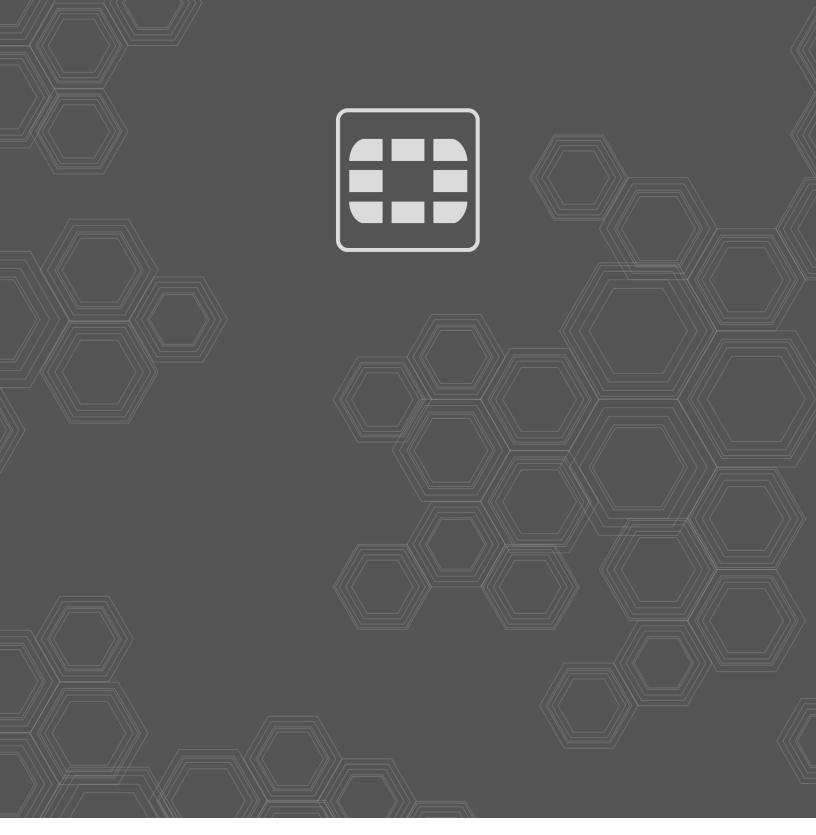
| Bug ID | Description |
|--------|---|
| 488900 | Maintenance tasks on some platforms can cause as much as 30 percent extra processing. |
| 621628 | Parity errors sometimes cause 100 percent CPU usage. |
| 668038 | The maximum limit of multicast groups supported by a FortiSwitch unit is reduced by counting each port registered to a multicast channel as an independent group. |
| 666841 | Setting the STP state on a port, if that port is part of the FortLink uplink trunk, can occasionally cause a memory leak. |
| 669844 | A trunk name that contains the "/" character causes problems with synchronizing the FortiSwitch trunk configuration. |
| 670281 | STP states flap for the inter-chassis link (ICL) in a multiple-site FortiLink redundancy topology. |
| 672607 | After FortiSwitchOS is configured to force users to change their passwords when first logging in, the GUI does not prompt users to change their passwords. |
| 673468 | On FS-1xxF models, DHCP snooping does not interoperate with devices that are dynamically assigned to a VLAN. |
| 673673 | When a trusted host is added to the admin profiles, those admins cannot log in to the FortiSwitch GUI or CLI from FortiSwitch Cloud. |
| 677786 | After upgrading the core FortiSwitch unit to 6.4.4, the access FortiSwitch unit has a high CPU usage. |
| 678608 | When packet sampling is enabled on the uplinks, the internal interfaces of the FS-3032 and FS-1048 models rise intermittently to 150 petabits per second. |
| 680477 | The time zone of a managed FortiSwitch unit is not synchronized with the FortiGate time zone. |

Known issues

The following known issues have been identified with FortiSwitchOS 6.4.5. 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. |
| 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 execute interface dhcpclient-renew <interface> command to renew the IP address. After the SVI gets the IP address from the DHCP server, you can enable DHCP snooping.</interface> |
| | The time-domain reflectometer (TDR) function (cable diagnostics feature) reports unexpected values. |
| 510943 | Workaround: When using the cable diagnostics feature on a port (with the diagnose switch physical-ports cable-diag <physical name="" port=""> CLI command), ensure that the physical link on its neighbor port is down. You can disable the neighbor ports or physically remove the cables.</physical> |
| 520954 | When a "FortiLink mode over a layer-3 network" topology has been configured, the FortiGate GUI does not always display the complete network. |
| 542031 | For the 5xx switches, the diagnose switch physical-ports led-flash 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. |

| Bug ID | Description |
|----------------|--|
| 585550 | When packet sampling is enabled on an interface, packets that should be dropped by uRPF will be forwarded. |
| 606044 | The value for cable length is wrong when running cable diagnostics on the FS-108E, FS-124E, FS-108E-POE, FS-108E-FPOE, FS-124E-POE, FS-124E-POE, 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. |
| 610149 | The results are inaccurate for open and short cables 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. |
| 617755 | The internal interface cannot obtain IPv6 addresses with dhcpv6-snooping enabled on the native VLAN. |
| 673433 | Some 7-meter DAC cables cause traffic loss for the FS- 448E model. |
| 682442 | Do not use FCLF8521P2BTL and FCLF852XP2BTL modules. They are not supported and can cause issues on the FortiSwitch unit. To find supported modules, refer to the FortiSwitch-Compatible Transceivers matrix. |
| 687698, 688624 | After the managed FortiSwitch unit was upgraded to 6.4.5, NAC policies no longer work. |





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