

Release Notes

FortiSwitch Manager 7.2.0



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FortiSwitch Manager 7.2.0 Release Notes

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Change log

| Date | Change Description |
|--------------|--|
| May 18, 2022 | Initial release of FortiSwitch Manager 7.2.0 |

Introduction

FortiSwitch Manager (FSWM) is the on-premise management platform for the FortiSwitch product. FortiSwitch units connect to FSWM over the layer-3 network. You can configure a large number of FortiSwitch units with this FortiSwitch-management-only platform. FortiSwitch Manager provides a user experience consistent with the FortiLink Switch Controller.

This document provides the following information for FortiSwitch Manager 7.2.0 build 0090.

Supported models

FortiSwitch Manager 7.2.0 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-424E, FS-424E-POE, FS-424E-FPOE, FS-424E-Fiber, FS-M426E-FPOE, FS-448E, FS-448E-POE, FS-448E-FPOE |
| FortiSwitch 5xx | FS-524D, FS-524D-FPOE, FS-548D, FS-548D-FPOE |
| FortiSwitch 1xxx | FS-1024D, FS-1024E, FS-1048E, FS-T1024E |
| FortiSwitch 3xxx | FS-3032E |
| FortiSwitch Rugged | FSR-112D-POE, FSR-124D |

Refer to the [FortiSwitch feature matrix](#) for details about the features supported by each FortiSwitch model.

Compatibility

FortiSwitch Manager 7.2.0 is compatible with FortiSwitchOS 6.4.6 build 0470 or later.

Web browser support

Web browser

- Microsoft Edge
 - Mozilla Firefox version 98
 - Google Chrome version 99
- Other web browsers might function correctly but are not supported by Fortinet.

Virtualization environment support

| Hypervisor | Recommended versions |
|--------------------------|---|
| Citrix Hypervisor | <ul style="list-style-type: none"> • 8.1 Express Edition, Dec. 17, 2019 |
| Linux KVM | <ul style="list-style-type: none"> • Ubuntu 18.0.4 LTS • Red Hat Enterprise Linux release 8.4 • SUSE Linux Enterprise Server 12 SP3 release 12.3 |
| Microsoft Windows Server | <ul style="list-style-type: none"> • 2012R2 with Hyper-V role |
| Windows Hyper-V Server | <ul style="list-style-type: none"> • 2019 |
| Open source XenServer | <ul style="list-style-type: none"> • Version 3.4.3 • Version 4.1 and later |
| VMware ESX | <ul style="list-style-type: none"> • Versions 4.0 and 4.1 |
| VMware ESXi | <ul style="list-style-type: none"> • Versions 4.0, 4.1, 5.0, 5.1, 5.5, 6.0, 6.5, 6.7, and 7.0. |

System requirements

| Number of managed FortiSwitch units | vCPU | Memory (GB) | Hard disk |
|-------------------------------------|----------------|-----------------|----------------------|
| 1-10 | 8 (minimum 4) | 8 (minimum 4) | 1 TB (minimum 32 GB) |
| 10-100 | 16 (minimum 8) | 16 (minimum 8) | 1 TB (minimum 32 GB) |
| 100-1,000 | 32 | 32 (minimum 16) | 1 TB (minimum 32 GB) |
| 1,000-2,500 | 32 | 32 (minimum 16) | 1 TB (minimum 32 GB) |

Supported Switch Controller features

| Switch Controller Features | FortiSwitch Models |
|--|---------------------------------|
| Centralized VLAN Configuration | D-series, E-series, F-series |
| Switch POE Control | D-series, E-series |
| Link Aggregation Configuration | D-series, E-series, F-series |
| Spanning Tree Protocol (STP) | D-series, E-series, F-series |
| LLDP/MED | D-series, E-series, F-series |
| IGMP Snooping | D-series, E-series, F-series |
| 802.1X Authentication (Port-based, MAC-based, MAB) | D-series, E-series, F-series |
| Syslog Collection | D-series, E-series, F-series |
| DHCP Snooping | D-series, E-series, F-series |
| LAG support | D-series, E-series, F-series |
| sFlow | Not supported on FS-1xxE Series |
| Dynamic ARP Inspection (DAI) | D-series, E-series, F-series |
| Port Mirroring | D-series, E-series |
| RADIUS Accounting | D-series, E-series, F-series |
| Centralized Configuration | D-series, E-series, F-series |
| STP BPDU Guard, Root Guard, Edge Port | D-series, E-series, F-series |
| Loop Guard | D-series, E-series, F-series |
| Switch admin Password | D-series, E-series |
| Storm Control | D-series, E-series, F-series |
| 802.1X-Authenticated Dynamic VLAN Assignment | D-series, E-series, F-series |
| QoS | Not supported on FSR-112D-POE |
| Centralized Firmware Management | D-series, E-series, F-series |
| Automatic network detection and configuration | D-series, E-series |
| Dynamic VLAN assignment by group name | D-series, E-series |
| Sticky MAC addresses | D-series, E-series, F-series |
| NetFlow and IPFIX flow tracking and export | D-series, E-series |
| MSTP instances | D-series, E-series, F-series |
| QoS statistics | D-series, E-series |
| Configuring SNMP | D-series, E-series, F-series |

| Switch Controller Features | FortiSwitch Models |
|---|---|
| IPv4 source guard | FSR-124D, FS-224D-FPOE, FS-248D, FS-424D-POE, FS-424D-FPOE, FS-448D-POE, FS-448D-FPOE, FS-424D, FS-448D, FS-2xxE, and FS-4xxE |
| Point-to-point layer-2 network supported | D-series, E-series, F-series |
| Dynamic detection of LLDP neighbor devices | D-series, E-series |
| Explicit congestion notification (ECN) | FS-1024D, FS-1048D, FS-1048E, FS-3032D, FS-3032E, FS-4xxE, and FS-5xxD |
| Aggregation mode selection for trunk members | D-series, E-series |
| Multiple attribute values sent in a RADIUS Access-Request | D-series, E-series |
| PTP transparent-clock mode | FS-1048E, FS-224D, FS-224E, FS-3032D, FS-3032E, FS-424D, FS-4xxE, and FS-5xxD |
| Rapid PVST interoperation | D-series, E-series, F-series |
| Flash port LEDs | D-series, E-series |
| Cable diagnostics | Not supported on FSR-112D-POE, FS-1024D, FS-1048D, FS-1048E, FS-3032D, or FS-3032E |
| Flow control | D-series, E-series, F-series |
| Ingress pause metering | 200 series, 400D and 400E series, 500 series, FS-1024D, FS-1048D, FS-1048E, and FS-3032D |

NOTE: The following features are not supported:

- Virtual domains (VDMs)
- High availability (HA)
- FortiLink layer-2 mode
- UTM/security services (These are not needed because FortiSwitch Manager is not in the data path.)
- Network access control (NAC)
- Hardware switch
- Remote SPAN (RSPAN)
- Quarantines

What's new in FortiSwitch Manager 7.2.0

The following list contains new FortiSwitch Manager features added in 7.2.0:

- Zero-touch management is now more efficient. When a new FortiSwitch unit is started, by default, it will connect to the available manager, which can be FortiSwitch Manager, a FortiGate device, or FortiLAN Cloud. Only one manager can be used at a time. The FortiSwitch configuration does not need to be backed up before the FortiSwitch unit is managed, and the FortiSwitch unit does not need to be restarted when it becomes managed. All ports are

enabled for auto discovery. The “internal” interface is the DHCP client in all FortiSwitch models.

- The FortiSwitch Manager GUI is now supported.
- Layer-3 routing is now supported with IPv4 addresses. This support includes the following:
 - Switch virtual interfaces (SVIs)
 - Routed VLAN interfaces (RVIs)
 - Static routing
 - Virtual routing and forwarding (VRF)

Resolved issues

The following issues have been fixed in FortiSwitch Manager 7.2.0. For inquiries about a particular bug, please contact [Customer Service & Support](#).

| Bug ID | Description |
|--------|---|
| 800110 | Some <code>diagnose</code> commands are not necessary and should not be listed. |
| 800115 | Unsupported replacement messages in the GUI need to be removed. |

Known issues

The following known issues have been identified with FortiSwitch Manager 7.2.0. For inquiries about a particular bug or to report a bug, please contact [Fortinet Customer Service & Support](#).

| Bug ID | Description |
|--------|---|
| 776548 | <p>After upgrading or downgrading between build 0027 and 0028, the PTP policy is set to '', causing configuration synchronization errors.</p> <p>Workaround: Set the <code>ptp-policy</code> to <code>default</code> under the <code>config switch-controller managed-switch</code> command for the ports on a switch with this problem.</p> |
| 798812 | <p>The FortiLink mode over a layer-3 network detection needs to be improved to be more accurate.</p> |
| 805836 | <p>When there is a high number of switches and ports (such as 20,000 ports), the <i>Switch Controller > FortiSwitch Ports</i> page might fail to load in Google Chrome.</p> <p>Workaround: Use Firefox instead or turn off hardware acceleration in Google Chrome.</p> |



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