



# SD-WAN Orchestrator MEA - Release Notes

Version 6.4.0 Beta 2

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SD-WAN Orchestrator MEA 6.4.0 Beta 2 Release Notes

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# Change Log

Date	Change Description
2020-04-13	Initial release of 6.4.0 Beta 2.
2020-05-05	Added a note about memory requirements to <a href="#">Supported FortiManager host models on page 5</a> . Moved FortiGate-50E and FortiGate-80D from the 6.4 firmware list to the 6.2 firmware list in <a href="#">Supported FortiGate models on page 9</a> .
2020-06-18	Removed support for FortiGate-30E, FortiGate-50E, and FortiGate-80D.

# SD-WAN Orchestrator MEA 6.4.0 Beta 2 Release

This document provides information about SD-WAN Orchestrator MEA version 6.4.0 Beta 2 build 0290. SD-WAN Orchestrator MEA management extension application (MEA) is available with some FortiManager models.

This section includes the following topics:

- [Supported FortiManager host models on page 5](#)
- [What's new on page 5](#)

## Supported FortiManager host models

For a list of FortiManager models that can host SD-WAN Orchestrator MEA 6.4.0 Beta 2 management extension application and minimum system requirements, see the [FortiManager 6.4.0 Release Notes](#).

## What's new

This section identifies new features available with SD-WAN Orchestrator MEA 6.4.0 Beta 2.

For information about what's new in FortiManager 6.4.0, see the [FortiManager 6.4.0 New Features Guide](#).

## FortiManager ADOM support

SD-WAN Orchestrator MEA supports FortiManager ADOMs.

Devices, Regions, Profiles, and other share-resources can be added to and managed in multiple ADOMs. Global routing, topology management, and business rules will be also generated automatically or managed manually per ADOM.

## Support for FortiOS 6.4.0

In addition to supporting FortiGate units running FortiOS 6.2.2 and 6.2.3, SD-WAN Orchestrator MEA also supports FortiGate units running FortiOS 6.4.0.

## Support for FortiSwitch and FortiAP configurations

SD-WAN Orchestrator MEA generates switch templates and VLANs as well as AP profiles and SSIDs according to the LAN > Switch/AP setting in the profile in SD-WAN Orchestrator MEA. The settings are then pushed to the FortiSwitch Manager and AP Manager modules in FortiManager.

However switch and AP objects, such as LLDP profiles and WIDS profiles, are pulled from the FortiSwitch Manager and AP Manager modules in FortiManager.

## Support for hardware switches on some low-end platforms

SD-WAN Orchestrator MEA supports hardware switches for some low-end platforms, such as FortiGate 60E/140E. You can manage LAN ports separately or add them as members to the `hard_switch` interface.

## Support for adding model and unauthorized devices directly in SD-WAN Orchestrator MEA

"Provide more flexible ways to add FortiGate devices to SDWAN Orchestrator management:

You can use the following methods to add FortiGate devices to SD-WAN Orchestrator MEA:

- Add unauthorized devices available in FortiManager to SD-WAN Orchestrator MEA
- Add model devices to SD-WAN Orchestrator MEA by using the serial number, and the device is also automatically added to FortiManager

## SLA monitoring optimization

The GUI pages have been optimized for SLA monitoring and SLA history statistics for devices.

## Import configurations from deployed FortiGate units

You can keep the current FortiGate device configuration (including WAN/LAN, DHCP server, static routing, hostname) when you add the device to SD-WAN Orchestrator MEA by selecting the *RETRIEVE\_CONFIG* option.

If you select the *RETRIEVE\_CONFIG* option, SD-WAN Orchestrator MEA retrieves the configuration from the FortiGate device when the device is online for the first time, and automatically enables and overrides the WAN and LAN settings in the profile.

## Improved usability for working with FortiManager policy packages

SD-WAN Orchestrator MEA provides the following usability improvements when working with FortiManager policy packages:

- After deploying a configuration, SD-WAN Orchestrator MEA creates the dynamic interfaces for generated tunnel interfaces to improve the usability of policy configuration. The dynamic interfaces use the per-device interface mapping, which can be used in policies.
- SD-WAN Orchestrator MEA creates a policy block in FortiManager named *SDWAN\_Overlay\_PB* that includes three policy entries. The policies allow the SLA detection in overlay links used by business rules.

## Back up and restore FortiManager or SD-WAN Orchestrator MEA configuration

You can use either the FortiManager or SD-WAN Orchestrator MEA GUI to back up and restore SD-WAN Orchestrator MEA configuration.

If ADOMs and devices have not been removed or changed in FortiManager, or the administrator only wants to back up and restore the SD-WAN Orchestrator MEA configuration rather than other changes in FortiManager, the administrator can back up or restore Orchestrator configuration only.

Restore a FortiManager backup configuration file to help recover all previous configuration in FortiManager, including the configuration for SD-WAN Orchestrator MEA, regardless of whether ADOMs or devices have been changed or removed from SD-WAN Orchestrator MEA or FortiManager.

## Other optimization on SD-WAN Orchestrator MEA

SD-WAN Orchestrator MEA includes the following additional optimizations:

- Optimize the steps of creating profile, device, Internet service, and other objects
- Optimize the manual installation mechanism
- Optimize the dynamic installation mechanism
- Shrink the image size of SD-WAN Orchestrator MEA
- Optimize the database for SD-WAN Orchestrator MEA
- Add *Shortcut Overlay* statistics for ADVPN in the *Monitor > Devices > Link* pane
- Add the policy package status from FortiManager to the *Configuration>Device* pane

# Upgrade Information

You can upgrade SD-WAN Orchestrator MEA 6.4.0 to a newer version directly from the GUI. To upgrade to an available newer version, navigate to *Administration > Upgrade > WLM Upgrade*, and click *Check for updates*.



# Product Integration and Support

This section lists SD-WAN Orchestrator MEA 6.4.0 Beta 2 support of other Fortinet products. It contains the following topics:

- [Supported FortiManager and FortiOS versions on page 9](#)
- [Supported FortiGate models on page 9](#)

## Supported FortiManager and FortiOS versions

This section identifies SD-WAN Orchestrator MEA 6.4.0 Beta 2 product integration and support information:

FortiManager	<ul style="list-style-type: none"><li>• 6.4.0</li></ul>
FortiOS	<ul style="list-style-type: none"><li>• 6.4.0</li><li>• 6.2.2 and later</li></ul>

## Supported FortiGate models

SD-WAN Orchestrator MEA supports the following FortiGate models:

Model	Firmware Version
<b>FortiGate:</b> FortiGate-61E, FortiGate-60E-POE, FortiGate-81E, FortiGate-81E-POE, FortiGate-140E, FortiGate-140E-POE, FortiGate-201E, FortiGate-300E, FortiGate-501E, FortiGate-3401E, FortiGate-60F, FortiGate-101F <b>FortiGate-VM:</b> FG-VM64-ALI, FortiGate-VM64-AWS, FortiGate-VM64-Azure, FG-VM64-GCP, FortiGate-VM64-KVM, FortiGate-VM64-Xen	6.4
<b>FortiGate:</b> FortiGate-60E, FortiGate-61E, FortiGate-100E, FortiGate-100F, FortiGate-101E, FortiGate-101F, FortiGate-200E, FortiGate-201E, FortiGate-300E, FortiGate-301E, FortiGate-600E, FortiGate-601E, FortiGate-3400E, FortiGate-3401E <b>FortiGate-VM:</b> FortiGate-VM64-AWS, FortiGate-VM64-Azure, FortiGate-VM64-KVM, FortiGate-VM64-Xen, FortiGate-VM64-HV	6.2

For a list of supported FortiManager models, see [Supported FortiManager host models on page 5](#).

# Resolved Issues

The following issues have been fixed in 6.4.0 Beta 2. For inquiries about a particular bug, please contact [Customer Service & Support](#).

Bug ID	Description
577328	No response when drilling down via <i>Traffic &gt; Application</i> to SRC and DST.
577896	The SRC and DST statistic of drilling down a cloud application is not correct.
594175	Cannot open editor of Create User, User Group, Service in a business rule.
595239	SD-WAN Orchestrator MEA is running, but the GUI reports it is currently disabled.
601540	Synchronization hangs after the profile is replaced with one in which port1 is changed from WAN to LAN.
601673	Change profile and the <i>From IP</i> disappears.
602151	All edge devices go offline after installing policy package from FMG.
605696	Sometimes a device is displayed two times and both can be added in the <i>Region</i> view.
605992	If the traffic flow is small via overlay that link monitor Bandwidth statistics, no unit displays.
615728	Suggest special characters for PPPoE password.
608188	Suggest to show <i>WAN TYPE</i> information in <i>Business Rule &gt; Wan Link</i> .
601988	If FMG system time is not correct, the traffic statistics users queried will be incorrect.
605440	Change SD-WAN Orchestrator MEA font and table style to keep consistent with FMG.
611455	Change devices listed and search keyword in <i>Monitor&gt;Devices</i> to be <i>Device Name</i> , not <i>Hostname</i> .

# Known Issues

The following issues have been identified in 6.4.0 Beta 2. For inquiries about a particular bug or to report a bug, please contact [Customer Service & Support](#).

Bug ID	Description
624943	(FortiAP) Unable to create an SSID with security mode WPA3_SAE. <b>Workaround:</b> Use other security modes.
618894	(FortiAP) Unable to add AP profile on hardswitch interface.
617884	Synchronization on SD-WAN Orchestrator MEA causes FMG policy package status of <i>Conflict</i> .
624553	Controller installation failed due to FMG script deleting IPsec interface failure.
622688	Set tunnel IP failed as <i>Subnets overlap between 'port1-E' with primary IP of 'port3-E</i> .
624842	Synchronization conflict occurs if device already has a VPN tunnel and the VPN interface is referred to by the firewall policy. <b>Workaround:</b> Do not add a device with existing configuration to SD-WAN Orchestrator MEA, unless these configuration are supported in RETRIEVE_CONFIG mode.
600436	Set WAN port type for MPLS and Private Line to enabled, and no underlay information is available in single device monitor.
624993	Sometimes after deployment completes the FortiGate displays as offline. <b>Workaround:</b> Re-add the device to SD-WAN Orchestrator MEA
625537	If business rules include some applications, it produces conflicts.
573337	The controller configuration script doesn't update when changing FMG objects.
618409	In stress environment, all devices cannot be completely synchronized every time.
623183	Failed to export debug info to zip file.
623686	Failed to back up configuration in stress environment.



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