



ExtremeCloud™ Orchestrator v3.8.2 Release Notes

New Features, Supported Platforms, and Known Issues

9039188-02 Rev AA
July 2025



Copyright © 2025 Extreme Networks, Inc. All rights reserved.

Legal Notice

Extreme Networks, Inc. reserves the right to make changes in specifications and other information contained in this document and its website without prior notice. The reader should in all cases consult representatives of Extreme Networks to determine whether any such changes have been made.

The hardware, firmware, software or any specifications described or referred to in this document are subject to change without notice.

Trademarks

Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries.

All other names (including any product names) mentioned in this document are the property of their respective owners and may be trademarks or registered trademarks of their respective companies/owners.

For additional information on Extreme Networks trademarks, see: <https://www.extremenetworks.com/about-extreme-networks/company/legal/trademarks>

Open Source Declarations

Some software files have been licensed under certain open source or third-party licenses.

End-user license agreements and open source declarations can be found at: <https://www.extremenetworks.com/support/policies/open-source-declaration/>

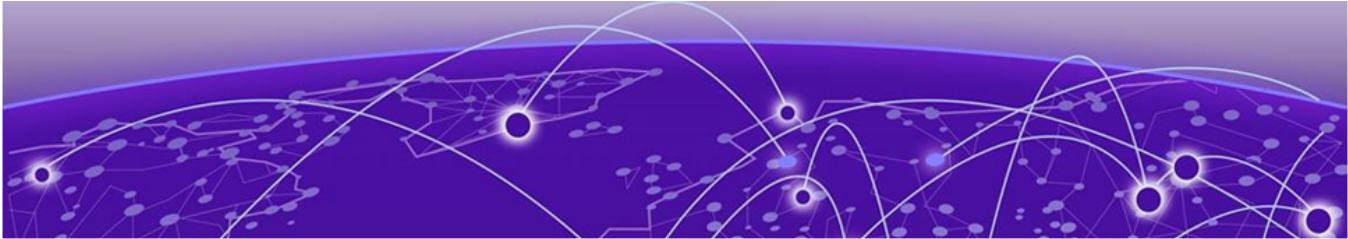


Table of Contents

Abstract..... iv

Release Notes..... 5

 New In This Release..... 5

 Supported Platforms and Deployment Models for Fabric Skill..... 6

 Supported Platforms and Deployment Models for Visibility Skill..... 9

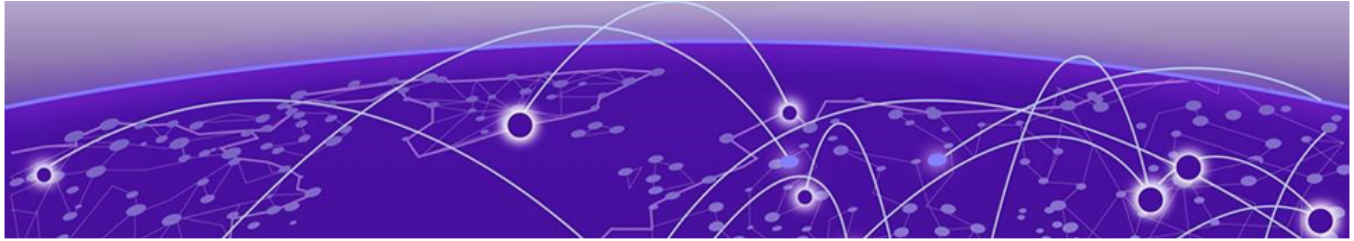
 XCO Upgrade Prerequisites..... 10

 Open Issues..... 11

 Security Patch..... 12

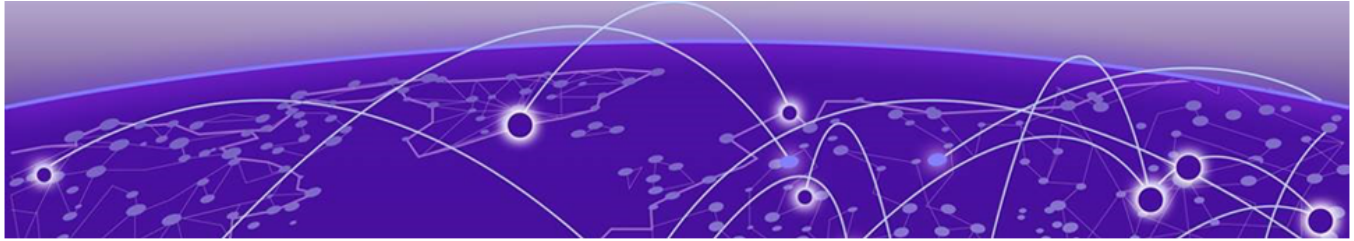
Help and Support..... 13

 Subscribe to Product Announcements..... 13



Abstract

The release notes for ExtremeCloud™ Orchestrator version 3.8.2 presents a security-focused maintenance release that delivers critical updates to core orchestration components and addresses multiple CVEs. The document outlines supported deployment models—including Server, OVA, and TPVM—across validated Ubuntu and SLX-OS versions, with compatibility matrices for SLX and Extreme hardware platforms. Upgrade procedures emphasize DNS cleanup and persistent management connectivity, while open issues highlight downgrade failures and upgrade latency. Visibility skill support, SSH hardening guidance, and hostname compliance rules are also covered. The content is tailored for technically proficient users managing multi-fabric orchestration in high-availability environments.



Release Notes

[New In This Release](#) on page 5

[Supported Platforms and Deployment Models for Fabric Skill](#) on page 6

[Supported Platforms and Deployment Models for Visibility Skill](#) on page 9

[XCO Upgrade Prerequisites](#) on page 10

[Open Issues](#) on page 11

[Security Patch](#) on page 12

New In This Release

ExtremeCloud Orchestrator 3.8.2 is a security patch release. For information about XCO deployment, refer to the [ExtremeCloud Orchestrator Deployment Guide, 3.8.0](#).



Note

In release 3.2.0 and later, Extreme Fabric Automation (EFA) is referred to as ExtremeCloud Orchestrator (XCO). The terms EFA and XCO refer to the same product and are used interchangeably.

For other additional information, see [Security Patch](#) on page 12 and [Open Issues](#) on page 11.

Supported Platforms and Deployment Models for Fabric Skill

Support includes Server, Open Virtual Appliance (OVA), and TPVM deployment models, supported TPVM versions, supported SLX-OS software versions, and supported SLX devices.



Note

- OVA deployment model does not support HA.
- As a best practice, refer to the following Extreme validated support matrices for supported platforms and deployment models information.

Table 1: Server Deployment Models

XCO Version	Managed SLX Devices	Multi-Fabric Support	Ubuntu Server Version	Virtual Machine
3.4.x, 3.5.x, 3.6.x	More than 24	Yes	18.04 LTS and 20.04 LTS	• CPU: 4 cores • Storage: 64 GB • RAM: 8 GB
3.7.x, 3.8.x	More than 24	Yes	20.04 LTS and 22.04 LTS	• CPU: 4 cores • Storage: 64 GB • RAM: 8 GB

Table 2: OVA Deployment Models

XCO Version	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Virtual Machine
3.4.x, 3.5.x, 3.6.x	More than 24	Yes	20.04 LTS	• CPU: 4 cores • Storage: 64 GB • RAM: 8 GB
3.7.x, 3.8.x	More than 24	Yes	22.04 LTS	• CPU: 4 cores • Storage: 64 GB • RAM: 8 GB

Table 3: TPVM Deployment Models

XCO Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
3.4.x, 3.5.x, 3.6.x	• SLX 9150 • SLX 9250 • SLX 9740 • Extreme 8520	Up to 24	Yes	20.04 LTS	20.5.2a

Table 3: TPVM Deployment Models (continued)

XCO Version	TPVM Deployment	Managed SLX Devices	Multi-Fabric Support	Ubuntu Version	Minimum SLX-OS Version
	- Extreme 8720 - Extreme 8820 (20.4.3 and later)				
3.7.x	- SLX 9150 - SLX 9250 - SLX 9740 - Extreme 8520 - Extreme 8720 - Extreme 8820 (20.4.3 and later)	Up to 24	Yes	22.04 LTS	20.6.3a
3.8.x	- SLX 9150 - SLX 9250 - SLX 9740 - Extreme 8520 - Extreme 8720 - Extreme 8820 (20.4.3 and later)	Up to 24	Yes	22.04 LTS	20.7.1

Table 4: TPVM Software Support

XCO Version	TPVM Version	SLX-OS Version
3.4.0	4.6.6	20.5.3a
3.4.1	4.6.7	20.5.3a
3.4.2	4.6.8	20.5.3a
3.5.0	4.6.10	20.6.1
3.6.0	4.6.13, 4.6.14	20.6.2, 20.6.2a
3.7.0	4.6.17, 4.7.0	20.6.3a
3.8.0	4.7.4	20.7.1a

Table 4: TPVM Software Support (continued)

XCO Version	TPVM Version	SLX-OS Version
3.8.1	4.7.5	20.7.1a
3.8.2	4.7.7	20.7.1ab

Table 5: IP Fabric Topology Matrix

Device	SLX-OS Release	Leaf	Spine	Super Spine	Border Leaf	Small DC Fabric
SLX 9150	20.5.x, 20.6.x, 20.7.x	Yes				Yes
SLX 9250	20.5.x, 20.6.x, 20.7.x	Yes	Yes	Yes		Yes
SLX 9540	20.5.x, 20.6.x, 20.7.x	Yes			Yes	
SLX 9640	20.5.x, 20.6.x, 20.7.x				Yes	
SLX 9740	20.5.x, 20.6.x, 20.7.x		Yes	Yes	Yes	Yes
Extreme 8720	20.5.x, 20.6.x, 20.7.x	Yes	Yes	Yes	Yes	Yes
Extreme 8520	20.5.x, 20.6.x, 20.7.x	Yes			Yes	Yes
Extreme 8820	20.5.x, 20.6.x, 20.7.x		Yes		Yes	Yes

Supported Platforms and Deployment Models for Visibility Skill

Support includes Server, OVA, and supported devices and software.



Note

- Upgrade from XVM (Extreme Visibility Manager) to XCO is not supported.
- XCO supports only a fixed set of special characters for hostnames. Any additional characters configured in MLX or SLX are reconciled in XCO and can be edited or deleted. Any configuration name must start with an alphanumeric character and can contain a-z A-Z 0-9 _ -.

Table 6: Ubuntu Server Version

XCO Version	Ubuntu Version	Virtual Machine
3.4.x, 3.5.x, 3.6.x	18.04 LTS and 20.04 LTS	Minimum: • CPU: 4 cores • Storage: 128 GB • RAM: 8 GB Recommended: • CPU: 16 cores • Storage: 200 GB • RAM: 32 GB
3.7.x, 3.8.x	20.04 LTS and 22.04 LTS	Minimum: • CPU: 4 cores • Storage: 128 GB • RAM: 8 GB Recommended: • CPU: 16 cores • Storage: 200 GB • RAM: 32 GB

Table 7: OVA Deployment Models

XCO Version	Ubuntu Version	Virtual Machine
3.4.x, 3.5.x, 3.6.x	20.04 LTS	Minimum: • CPU: 4 cores • Storage: 64 GB • RAM: 8 GB
3.7.x, 3.8.x	22.04 LTS	Minimum: • CPU: 4 cores • Storage: 64 GB

Table 7: OVA Deployment Models (continued)

XCO Version	Ubuntu Version	Virtual Machine
		RAM: 8 GB

Table 8: Supported Devices and Software

Device	Supported Software
Extreme 9920	Extreme 9920 software with the NPB application 21.1.2.x 21.2.1.x 21.2.2.x
Extreme Routing MLX Series	NetIron 6.3.00 patches
Extreme Switching SLX 9140	SLX-OS 18s.1.03 patches
Extreme Switching SLX 9240	SLX-OS 18s.1.03 patches

XCO Upgrade Prerequisites

Prerequisites for XCO upgrade process with the default gateway changed:

1. Ensure that no DNS configuration exists under TPVM config and resolv.conf.
2. Presence of management connectivity from SLX and TPVM to external build server image, wherein image is available during SLX and TPVM upgrade process.

If file/etc/ssh/sshd_config is modified to non-default values, then manually readjust the following parameters:

- MaxStartups 30:30:100
- MaxAuthTries 6
- LoginGraceTime 120



Note

The hardening script, extr-granite.py bundled with EFA 2.6.1 will not automatically modify the above mentioned parameters.

Open Issues

The following defects are open in this release of the software.

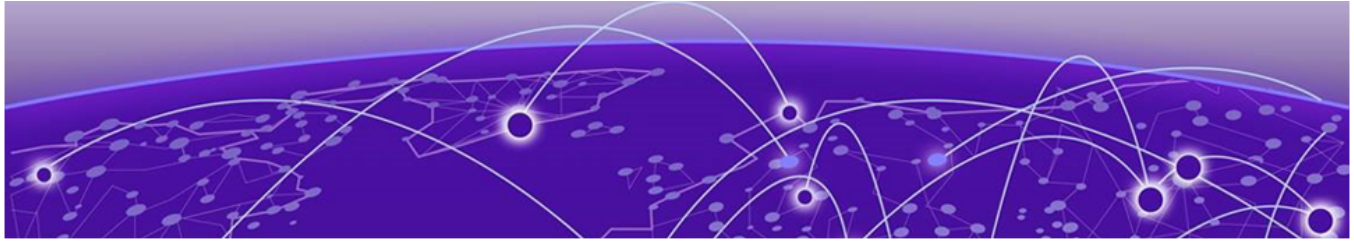
Issue ID	Description
XCO-14091	TPVM downgrade from 4.7.7-5 to 4.6.7/8 fails. Symptom: TPVM downgrade operation fails during execution process. Condition: Downgrading TPVM to a version earlier than 4.6.9 is not supported when using SLX-OS version 20.6.3ac or later. This restriction is due to enhancements introduced in TPVM 4.6.9 to support Active Directory integration. Workaround: To downgrade to a TPVM version earlier than 4.6.9, follow these steps: 1. Perform a full upgrade to TPVM version 4.6.9. 2. From version 4.6.9, perform an incremental downgrade to the desired target version.
XCO-14067	SLX downgrade from 20.7.1ab to 20.7.1a fails Symptom: Firmware download fails with status "Firmware Download Initiation Check With Other Services Failed". Condition: Firmware downgrade may fail in scaled setups such as a 16-node CLOS configuration during SLX upgrade or downgrade. This occurs when the Inventory service, after publishing a blocked process state to the Tenant, Fabric, and Policy services, receives timely responses from Tenant and Policy but not from Fabric, causing the firmware download initiation check to fail. Workaround: If the firmware download fails due to the timeout issue, reissue the firmware download command. Only the devices affected by the error will proceed with the firmware download during the reattempt.

Issue ID	Description
XCO-14032	TPVM incremental upgrade from TPVM 4.7.3-3/4.7.1-0 to TPVM 4.7.7-4 fails. Symptom: TPVM incremental upgrade fails. Condition: Incremental upgrade is not supported between TPVM versions earlier than 4.7.0 and version 4.7.7. For example, incremental upgrade or downgrade between TPVM 4.6.16 and 4.7.7 is not supported. Attempting this results in the following error: “Error: As Ubuntu LTS version is upgraded between the TPVM versions, incremental upgrade is not supported.” Additionally, TPVM incremental upgrades can take up to 30 minutes depending on the number of packages being updated. A temporary fix to mitigate this issue is introduced in XCO 3.8.2.
XCO-13939	TPVM incremental upgrade takes longer than expected. Symptom: TPVM incremental upgrade process take approximately 30 minutes Condition: Incremental upgrade is not supported between TPVM versions earlier than 4.7.0 and version 4.7.7. For example, upgrading or downgrading incrementally between TPVM 4.6.16 and 4.7.7 is not supported. Attempting this results in the following error: “Error: As Ubuntu LTS version is upgraded between the TPVM versions, incremental upgrade is not supported.” Additionally, incremental upgrades can take up to 30 minutes depending on the number of packages being updated. A temporary fix to address this delay is introduced in XCO version 3.8.2.

Security Patch

The following table lists the updated security components and vulnerabilities addressed in ExtremeCloud Orchestrator 3.8.2.

Component	Previous Version	Latest Version	Vulnerabilities
Others	NA	NA	• CVE-2025-4517 • CVE-2025-4138 • CVE-2025-4330 • CVE-2025-4435 • CVE-2024-12718 • CVE-2025-23166 • CVE-2025-4947 • CVE-2025-5025 • CVE-2025-23165 • CVE-2025-46712 • CVE-2025-4516



Help and Support

If you require assistance, contact Extreme Networks using one of the following methods:

Extreme Portal

Search the GTAC (Global Technical Assistance Center) knowledge base; manage support cases and service contracts; download software; and obtain product licensing, training, and certifications.

The Hub

A forum for Extreme Networks customers to connect with one another, answer questions, and share ideas and feedback. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.

Call GTAC

For immediate support: (800) 998 2408 (toll-free in U.S. and Canada) or 1 (408) 579 2800. For the support phone number in your country, visit www.extremenetworks.com/support/contact.

Before contacting Extreme Networks for technical support, have the following information ready:

- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

Subscribe to Product Announcements

You can subscribe to email notifications for product and software release announcements, Field Notices, and Vulnerability Notices.

1. Go to [The Hub](#).
2. In the list of categories, expand the **Product Announcements** list.

3. Select a product for which you would like to receive notifications.
4. Select **Subscribe**.
5. To select additional products, return to the **Product Announcements** list and repeat steps 3 and 4.

You can modify your product selections or unsubscribe at any time.