Universal Compute Platform v05.10.01.0006 Release Notes

New Features, Fixes, and Known Issues

9039244-00 Rev. AA
April 2025

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/

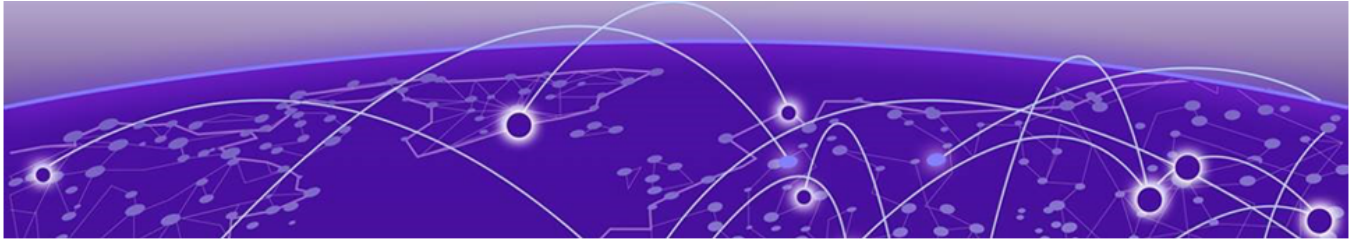
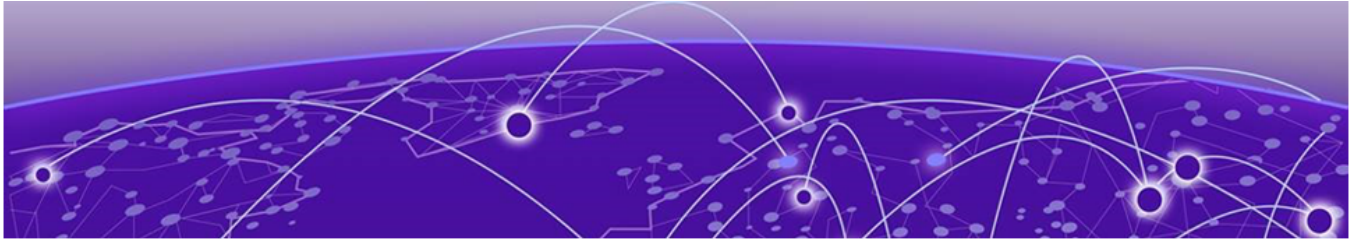
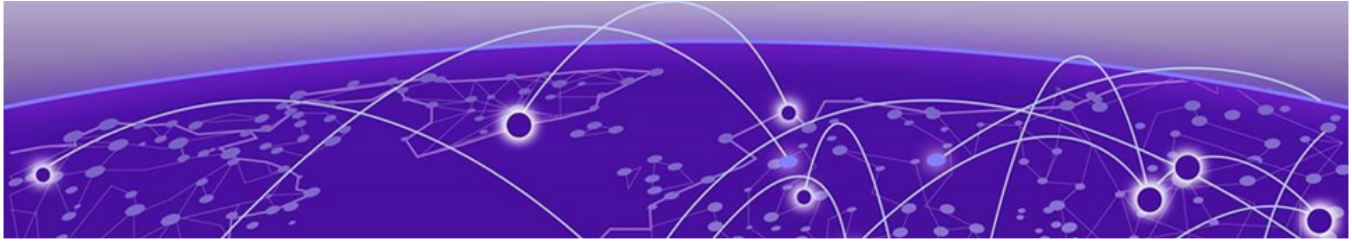


Table of Contents



Abstract

The release notes for Universal Compute Platform v5.10.01 provide detailed information on resolved issues, known issues, supported hardware, and critical enhancements in the platform's orchestration framework. This release highlights resolved issues such as memory problems with multus-daemon and interface configuration errors, as well as known issues like interface problems caused by changing LAG configuration. Universal Compute Platform supports container-based orchestration, facilitating the deployment of applications such as ExtremeCloud IQ in both self-orchestrated and managed environments. Key technical features include clustering, distributed file systems, and orchestration through Kubernetes, ensuring a resilient application operational base. Supported hardware for self-orchestration includes appliances like 1130C, 2130C, 3150C, and 4120C, each with specific application capacities. Managed orchestration supports hardware like 3160C and 4120C-1. The document also provides guidance on technical specifications, installation, and deployment procedures, ensuring streamlined operations for system administrators.



Release Notes

The Universal Compute Platform forms the basis for ExtremeCloud Edge deployment models, providing a container-based orchestration framework, in an Extreme Networks qualified and validated high performance hardware configuration. The framework natively supports clustering, distributed file system and orchestration through Kubernetes, providing a highly resilient application operational base. CaaS is a cloud service model that allows users to manage and deploy containers, applications, and clusters through container-based virtualization.

The Universal Compute Platform offers flexible application orchestration, enables self-guided application installation, management, and full SaaS deployment of select applications such as ExtremeCloud™ IQ.

Features and Updates

The following table provides a list of features and updates for v5.10.01.

Table 1: Features and Updates

Feature	Description
XCACP-842	System Health report information included in Tech Support file
XCACP-835	Improved Security: Updated settings in internal database and core service to reduce vectors of potential attack from network connections.
XCACP-795	Adjusted deployment options on hardware appliance models to better fit their intended deployment use case, whether **ExtremeCloud Edge – Self-Orchestration** (on 1130C, 2130C, 3150C, 4120C) or **ExtremeCloud Edge – Managed Orchestration** (on 3160C, 4120C[-1]). Also removed options that are non-applicable.
XCACP-789	Improved visualization of application installation process with progress and state indicator(s)

Table 1: Features and Updates (continued)

Feature	Description
XCACP-788	Improved control over VM Running state. Support added for restarting halted engines.
XCACP-770	Updated CLI/Startup Wizard to include LAG configuration for data ports
XCACP-767	Improved content of Techsupport for K8S and Engine installation logs
XCACP-631	Provided information revisions for in-place application upgrades
XCACP-574	Disabled SNMP Agent by default

Resolved Issues

The following issues have been resolved in this release.

Table 2: Resolved Issues in Universal Compute Platform v5.10.01

ID	Description
XCACP-798	**CPU Usage Displays Values up to 100%** Corrected issue whereby the CPU Usage was showing values such as 1800%. This issue was because the calculation did to not taking the number of cores into account. This issue is now resolved.
XCACP-823	**VLAN Reassignment when a LAG is Deleted** Corrected issue around changes or deletions to an existing LAG configuration where the VLAN did not reassign automatically. You can now delete the LAG, or remove a port member from the LAG, and the VLAN assignment returns to the individual ports.
XCACP-828	**Tunnel Concentrator on 2130C Does Not Forward Frames** Tunnel Concentrator on the Universal Compute Platform 2130C does not forward frames from the GRE listening interface to the bridge interface when using Intel ports 3 or 4.

Known Issues

Table 3: Known Issues

Issue	Description
XCACP-826	**No Maximum for Journal Logs Creates Issues if Hard Drive is Full** There is currently no limit for journald logs, which can cause the kubelet service to stop if the hard drive is full. The workaround is to reboot the system, which cleans up the log file temporarily. This issue will be corrected in a future release.

In addition, note the following:

Activation Required Message with Factory-Default Versions

Previous factory-default versions of Universal Compute Platform 4120C displayed an Activation Required notification with the Locking ID that instructed you to select

your license PKI file for activation. You can ignore this message. The issue has been corrected in new versions of Universal Compute Platform.

Supported Hardware for Self-Orchestration

ExtremeCloud Edge - Self-Orchestration deployments of Universal Compute Platform support the following hardware appliances. Depending on the hardware, you may be able to install more than one instance of an application on a node.

Table 4: Supported Hardware for ExtremeCloud Edge - Self-Orchestration

Hardware Appliance	Details
1130C	Ports: • 2 x 1 Gbps ICC Ports/RJ45 • 4 x 1 Gbps Data 1-4/RJ45 Self-Orchestration deployment application capacity: • Tunnel Concentrator—One instance per node • ExtremeCloud IQ Controller (CE1000)—One instance per node For additional server specifications, along with hardware installation information, see Extreme Networks Universal Compute Platform Appliance 1130C Installation Guide.
2130C	Ports: • 2 x 1/10 Gbps ICC Ports/RJ45 • 2 x 10 Gbps Data Ports 1-2/RJ45 • 2 x 10/25 Gbps Data Ports 3-4/SFP28 Self-Orchestration deployment application capacity: • Tunnel Concentrator—One instance per node • ExtremeCloud IQ Controller (CE2000)—One instance per node • ExtremeCloud IQ - Site Engine—One instance per node • ExtremeControl—One instance per node • ExtremeAnalytics—One instance per node For additional server specifications, along with hardware installation information, see Extreme Networks Universal Compute Platform Appliance 2130C Installation Guide.

Table 4: Supported Hardware for ExtremeCloud Edge - Self-Orchestration (continued)

Hardware Appliance	Details
3150C	Ports: • 2 x 1/10 Gbps ICC Ports/RJ45 • 2 x 10/25 Gbps Data Ports 1-2/SFP28 • 2 x 10/25/50/100 Gbps Data Ports 3-4/QSFP28 Self-Orchestration deployment application capacity: • Tunnel Concentrator—One instance per node • ExtremeCloud IQ Controller (CE3000)—One instance per node For additional server specifications, along with hardware installation information, see Extreme Networks Universal Compute Platform Appliance 3150C Installation Guide
4120C/4120C-1	Ports: • 2 x 1/10 Gbps ICC Ports/RJ45 • 2 x 1/10 Gbps Data 1-2/RJ45 • 2 x 1/10/25/40/50 Gbps Data 3-4/QSFP Self-Orchestration deployment application capacity: • Tunnel Concentrator—Up to three instances per node. • ExtremeWireless WiNG (CX9000)—One instance per node For additional server specifications, along with hardware install information, see Extreme Networks Universal Compute Platform Appliance 4120C Installation Guide.

Note
Support is for a single application type per node. Application mixing on a single appliance is not supported.

Supported Hardware for Managed Orchestration

ExtremeCloud Edge - Managed Orchestration deployments of Universal Compute Platform support the following hardware appliances.

Table 5: Supported Hardware for ExtremeCloud Edge - Managed Orchestration

Hardware Appliance	Details
3160C	Ports: • 2 x 1/10 Gbps ICC Ports/RJ45 • 2 x 10/25 Gbps Data 1-2/SFP28 • 2 x 10/25/50/100 Gbps Data 3-4/QSFP For additional server specifications, along with hardware install information, see Extreme Networks Universal Compute Platform Appliance 3160C Installation Guide.
4120C-1	Ports: • 2 x 1/10 Gbps ICC Ports/RJ45 • 2 x 1/10 Gbps Data 1-2/ RJ45 • 2 x 1/10/25/40/50 Gbps Data 3-4/QSFP For additional server specifications, along with hardware install information, see Extreme Networks Universal Compute Platform Appliance 4120C Installation Guide.

Documents

Refer to the following documents for information on Universal Compute Platform.

Universal Compute Platform Documents

- Extreme Networks Universal Compute Platform Appliance 1130C Installation Guide—Describes how to install the 1130C physical hardware appliance to support the Universal Compute Platform.
- Extreme Networks Universal Compute Platform Appliance 2130C Installation Guide (coming soon)—Describes how to install the 2130C physical hardware appliance to support the Universal Compute Platform.
- Extreme Networks Universal Compute Platform Appliance 3150C Installation Guide (coming soon)—Describes how to install the 3150C physical hardware appliance to support the Universal Compute Platform
- Extreme Networks Universal Compute Platform Appliance 3160C Installation Guide (coming soon)—Describes how to install the 3160C physical hardware appliance to support the Universal Compute Platform..
- Extreme Networks Universal Compute Platform Appliance 4120C Installation Guide—Describes how to install the 4120C or 4120C-1 physical hardware appliance to support the Universal Compute Platform.
- Universal Compute Platform User Guide—Describes how to configure, maintain, and upgrade Universal Compute Platform.

ExtremeCloud Edge Documents

- ExtremeCloud Edge – Self-Orchestration Deployment Guide for Universal Compute Platform—Describes how to install and deploy a Self-Orchestrated standalone deployment of ExtremeCloud Edge for Universal Compute Platform.
- ExtremeCloud Edge – Managed Orchestration Deployment Guide for Universal Compute Platform—Describes how to install and deploy a Managed Orchestration clustered deployment of ExtremeCloud Edge for Universal Compute Platform.

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.