



Universal Compute Platform v5.14.01.0013 Release Notes

New Features, Fixes, and Known Issues

9041051-00 Rev. AA
June 2026



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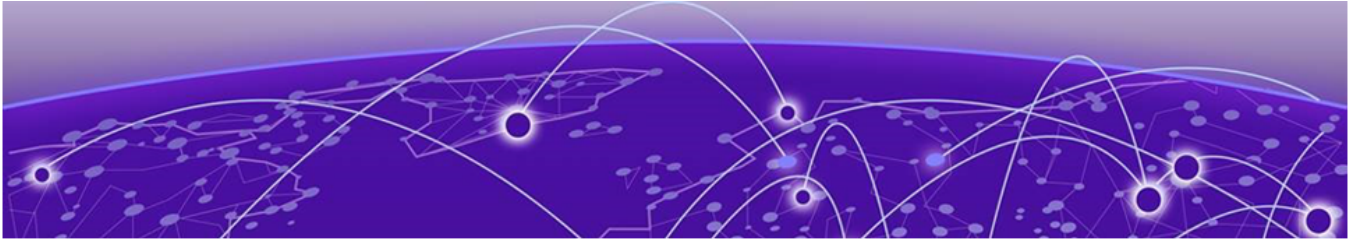


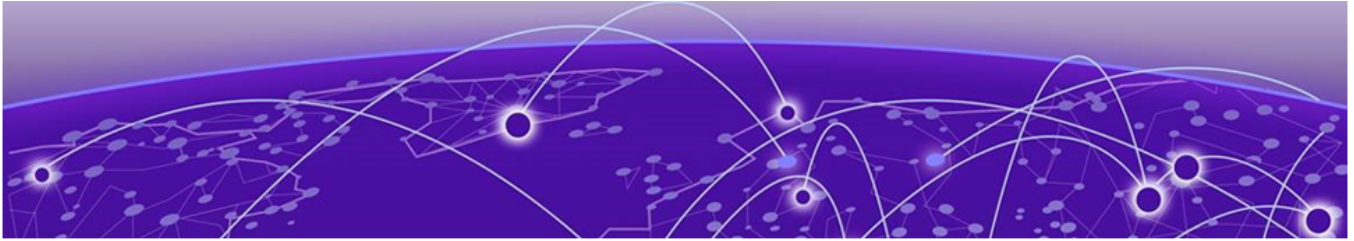
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Abstract

The release notes for Universal Compute Platform v5.14.01.0013 provide detailed information on resolved issues, known issues, supported hardware, and critical enhancements in the platform's orchestration framework. This release introduces support for offline installs and upgrades for Self-Orchestrated deployments, VRRP configuration simplification, and access event logs. The release also highlights resolved issues, including a fix to public CA certificate uploads, and known issues such as the activation message on factory-default versions. 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

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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

Table 1: Features and Updates

Feature	Description
Offline Installations and Upgrades	Self-Orchestration deployments of ExtremeCloud Edge now support offline installations and upgrades. This feature improves security as there is no longer a need for you to be connected to the internet while installing or upgrading your system. For offline installations, you must upload and install a Kubernetes resource package that you can use to first install Kubernetes and then to set up the standalone cluster. For details, see ExtremeCloud Edge - Self-Orchestration Deployment Guide .
Kubernetes Upgrade	Universal Compute Platform now supports and uses Kubernetes v1.34.

Table 1: Features and Updates (continued)

Feature	Description
VRRP Configuration Simplification	The VRRP section of the port configuration pages is updated so that each VRRP address has its own line entry. This update makes it easier to manage and contextualize the VRRP configuration for deployments that require multiple VRRP addresses on the same interface.
Third-Party Management Engine Support	Universal Compute Platform now includes the Third-Party Management Engine as an engine installation option under Engines > Installation on the 1130C. Note: Although this engine option appears on the 1130C, the feature is not GA as of the v5.14.01 release date. The feature will release as per its own schedule.
SNMP MIBs Available on Portal	The MIBs for using SNMP to manage Universal Compute Platform are now available for download from the Support Portal alongside the release software. Download the MIBs and then upload them to a Network Management Station (NMS) server so that you can track Universal Compute Platform application status from the NMS server.
Security Enhancements	
Access Events Log	Logging options in Universal Compute Platform are updated to include an Access Events log that tracks logins, authentication attempts, the opening and closing of sessions, and whether any back off mechanism was implemented for failed logins. To view the Access Events Log, go to Tools > Logs and then select the Access Events tab.
SSH Backoff	To protect against brute force attacks, a back-off mechanism is added to SSH interface for failed login attempts where the number of failed logins exceeds allowed thresholds.

Resolved Issues

Table 2: Resolved Issues

Issue	Description
XCACP-1010	Resolved issue that was causing inter-connectivity checks on the Deployment Health Dashboard to fail following a node replacement in a multi-node cluster.
XCACP-1016	Resolved issue that was resulting in default SNMP communities getting deleted when you switch the SNMP configuration.
XCACP-1028	Resolved issue that was resulting in incorrect Audit Log entries.
XCACP-1030	Resolved issue that was preventing Web Proxy configurations from being saved before Kubernetes is set up.

Table 2: Resolved Issues (continued)

Issue	Description
XCACP-1077	Resolved issue that was preventing certificates from being uploaded to interfaces. With this fix, administrators can now generate CSRs and upload public CA certificates for use on selected interfaces.
XCACP-1086	Resolved ARP flux issue that occurred when Universal Compute Platform had an interface connected to multiple ports on the same switch.

Known Issues

Table 3: Known Issues

Issue	Description
XCACP-1126	The Access Events log incorrectly reports a user interface refresh as a session closure.
XCACP-1111	The Certificates status page on Universal Compute Platform does not display information in the Name, Org Uint or Org columns for installed CA certificates.
XCACP-1085	When LAG is configured, the MAC address setting for the LAG interface does not update if you change the port assignments.
XCACP-1026	API allows you to update the time setting manually even when NTP is turned on.

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.



Note

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

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

Hardware Appliance	Details
1130C	<p>Ports:</p> <ul style="list-style-type: none"> • 2 x 1 Gbps ICC Ports/RJ45 • 4 x 1 Gbps Data 1-4/RJ45 <p>Self-Orchestration deployment application capacity:</p> <ul style="list-style-type: none"> • Tunnel Concentrator—One instance per node • ExtremeCloud IQ Controller (CE1000)—One instance per node • Third-Party Management Engine—One instance per node <p>For additional server specifications, along with hardware installation information, see Universal Compute Platform Appliance 1130C Installation Guide.</p>
2130C	<p>Ports:</p> <ul style="list-style-type: none"> • 2 x 1/10 Gbps ICC Ports/RJ45 • 2 x 1/10 Gbps Data 1-2/RJ45 • 2 x 10/25 Gbps Data Ports 3-4/SFP28 <p>Self-Orchestration deployment application capacity:</p> <ul style="list-style-type: none"> • 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 <p>For additional server specifications, along with hardware installation information, see Universal Compute Platform Appliance 2130C Installation Guide.</p>

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

Hardware Appliance	Details
3150C	<p>Ports:</p> <ul style="list-style-type: none"> • 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 <p>Self-Orchestration deployment application capacity:</p> <ul style="list-style-type: none"> • Tunnel Concentrator—One instance per node • ExtremeCloud IQ Controller (CE3000)—One instance per node • ExtremeWireless WiNG Controller (CX9000)—One instance per node <p>For additional server specifications, along with hardware installation information, see Universal Compute Platform Appliance 3150C Installation Guide</p>
4120C/4120C-1	<p>Ports:</p> <ul style="list-style-type: none"> • 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 <p>Self-Orchestration deployment application capacity:</p> <ul style="list-style-type: none"> • Tunnel Concentrator—Up to three instances per node. • ExtremeWireless WiNG Controller (CX9000)—One instance per node <p>For additional server specifications, along with hardware install information, see Universal Compute Platform Appliance 4120C Installation Guide.</p>

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: <ul style="list-style-type: none"> • 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 Universal Compute Platform Appliance 3160C Installation Guide .
4120C-1	Ports: <ul style="list-style-type: none"> • 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 Universal Compute Platform Appliance 4120C Installation Guide .

Kubernetes Support

Following are the minimum supported Kubernetes versions per Universal Compute Platform release.

Table 6: Minimum Supported Kubernetes Versions

For Universal Compute Platform Release...	Minimum Kubernetes Version
Universal Compute Platform v5.01.01 - v5.03.01	Kubernetes v1.20
Universal Compute Platform v5.04.01 - v5.08.01	Kubernetes v1.23
Universal Compute Platform v5.09.01 - v5.13.01	Kubernetes v1.31
Universal Compute Platform v5.14.01	Kubernetes v1.34

Documents

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

Appliance Installation Guides

- [Universal Compute Platform Appliance 1130C Installation Guide](#)—Describes how to install the 1130C physical hardware appliance to support the Universal Compute Platform.
- [Universal Compute Platform Appliance 2130C Installation Guide](#) (coming soon)—Describes how to install the 2130C physical hardware appliance to support the Universal Compute Platform.

- [Universal Compute Platform Appliance 3150C Installation Guide](#) (coming soon)—Describes how to install the 3150C physical hardware appliance to support the Universal Compute Platform
- [Universal Compute Platform Appliance 3160C Installation Guide](#) (coming soon)—Describes how to install the 3160C physical hardware appliance to support the Universal Compute Platform..
- [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

- [Universal Compute Platform User Guide](#)—Describes how to configure, maintain, and upgrade Universal Compute Platform.

ExtremeCloud Edge Deployment Guides

- [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

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