Universal Compute Platform v5.09.01.0014 Release Notes

New Features, Fixes, and Known Issues

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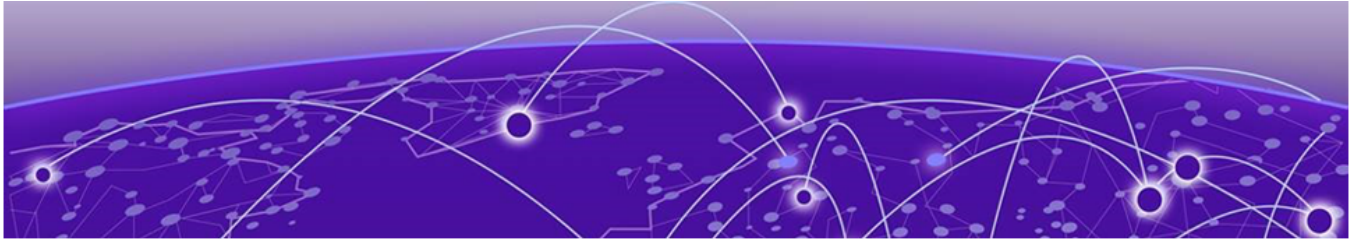

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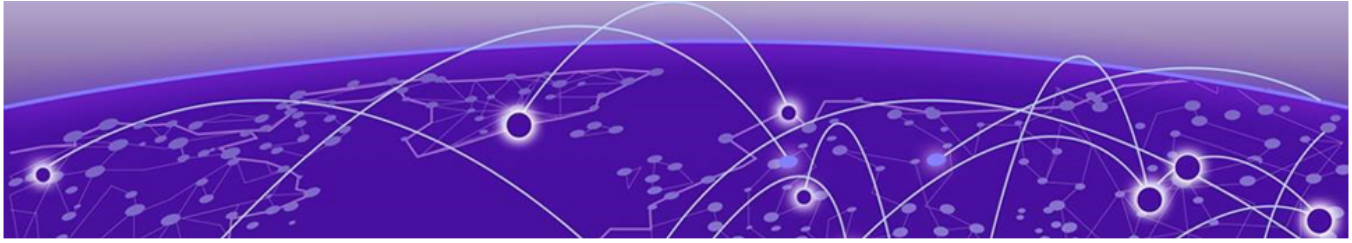
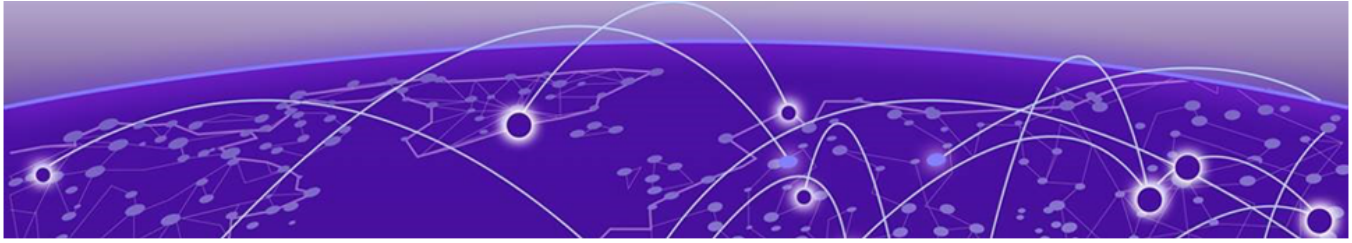


Abstract

The release notes for Universal Compute Platform v5.09.01 provide detailed updates on new features, supported hardware, known issues, and critical enhancements in the platform's orchestration framework. Universal Compute Platform supports container-based orchestration, facilitating the deployment of applications such as ExtremeCloud IQ in both self-orchestrated and managed environments. Key features introduced in this release include support for the 3150C and 3160C hardware appliances, support for ExtremeCloud IQ - Site Engine, ExtremeControl, and ExtremeAnalytics on the 2130C, and support for the latest Kubernetes version. These release notes also outline hardware compatibility across different orchestration models, with updates on resolving an issue related to the orchestration activation process. Additionally, the document provides detailed guidance on the technical specifications, installation, configuration, and troubleshooting of the ExtremeCloud Edge platform, ensuring streamlined deployment and operational efficiency 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.

New Features

The following table provides feature descriptions for new features in v5.09.01.

Table 1: Feature Descriptions

Feature	Description
XCACP-635	**Support for 3150C Hardware Appliance (Coming Soon)** Universal Compute Platform now supports the 3150C hardware appliance for medium-sized deployments of ExtremeCloud Edge - Self-Orchestration. Support includes: • Two 2.0 USB ports • Two 3.2 USB ports • One DB9 Console port • 2 x 10 Gbps ICC Ports/RJ45 • 2 x 10/25 Gbps Data Ports/SFP28 • 2 x 10/25/50 Gbps Data Ports/QSFP28 • 128 GB RAM • 2 x 2 TB hard drives The 3150C supports up to one instance of ExtremeCloud IQ Controller (CE3000) or three instances of ExtremeCloud Tunnel Concentrator on a single host. **Note:** The 3150C appliance does not support ExtremeCloud Edge - Managed Orchestration deployments. For detailed information on this hardware appliance, refer to the *Extreme Networks Universal Compute Platform Appliance 3150C Installation Guide* (coming soon).
XCACP-636	**Support for 3160C Hardware Appliance (Coming Soon)** Universal Compute Platform now supports the 3160C hardware appliance for ExtremeCloud Edge - Managed Orchestration deployments. Support includes: • Two 2.0 USB ports • Two 3.2 USB ports • One DB9 Console port • 2 x 10 Gbps ICC Ports/RJ45 • 2 x 10/25 Gbps Data Ports/SFP28 • 2 x 10/25/50/100 Gbps Data Ports/QSFP28 • 256 GB RAM • 2 x 4 TB hard drives For detailed specifications and installation information, refer to *Extreme Networks Universal Compute Platform Appliance 3160C Installation Guide* (coming soon).

Table 1: Feature Descriptions (continued)

Feature	Description
XCACP-697	**Kubernetes version update** Universal Compute Platform now supports Kubernetes version 1.31. To ensure that your system supports the latest functionality, upgrade your Kubernetes version immediately after you upgrade to Universal Compute Platform v5.09.01. To check whether Kubernetes needs to be upgraded, and to complete any required Kubernetes upgrades, go to **Administration** > **System** > **Software Upgrade** and select the **Kubernetes Upgrade** tab.
New Application Support	
XCACP-679	**Support for ExtremeCloud IQ Site Engine on 2130C** ExtremeCloud Edge - Self-Orchestration deployments on the 2130c hardware appliance support the deployment of the following Extreme Networks applications: • ExtremeCloud IQ - Site Engine • ExtremeControl • ExtremeAnalytics Support is for a single application instance on a 2130C with no support for intermixing multiple applications on a single appliance. For example, to deploy all three applications, you must deploy three separate 2130C appliances. For installation information that is specific to any of these applications, refer to the relevant product documentation page on the Extreme Networks website. **Note:** This feature is available only on the 2130C appliance and is subject to hardware availability (the 2130C appliance will be available in early 2025).

Supported Hardware for Self-Orchestration

ExtremeCloud Edge - Self-Orchestration deployments of Universal Compute Platform support the following hardware appliances. The number of application instances per appliance depends on the hardware appliance model.

Table 2: 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 (coming soon)	Ports: • 2 x 10 Gbps ICC Ports/RJ45 • 2 x 10 Gbps Data Ports 1-2/RJ45 • 2 x 25 Gbps Data Ports 3-4/SFP28 Self-Orchestration deployment application capacity: • Tunnel Concentrator—Up to two instances 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 2: Supported Hardware for ExtremeCloud Edge - Self-Orchestration (continued)

Hardware Appliance	Details
3150C (coming soon)	Ports: • 2 x 10 Gbps ICC Ports/RJ45 • 2 x 10/25 Gbps Data Ports/SFP28 • 2 x 10/25/50/100 Gbps Data Ports/QSFP28 Self-Orchestration deployment application capacity: • Tunnel Concentrator—Up to three instances 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*. **Note:** Please upgrade the appliance firmware to the latest revision (5.09.01.0014 or better) as the manufactured version is a pre-production version.
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
The hardware appliance supports a single application type per node. Application mixing on a single appliance is not supported. For example, it's not supported to install both Tunnel Concentrator and ExtremeCloud IQ Controller on the same appliance.

Supported Hardware for Managed Orchestration

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

Table 3: Supported Hardware for ExtremeCloud Edge - Managed Orchestration

Hardware Appliance	Details
3160C (coming soon)	Ports: • 2 x 10 Gbps ICC Ports/RJ45 • 2 x 10/25 Gbps Data Ports/SFP28 • 2x10/25/50/100 Gbps Data Ports/QSFP28 For additional server specifications, along with hardware install information, see *Extreme Networks Universal Compute Platform Appliance 3160C Installation Guide*. **Note:** Please upgrade the appliance firmware to the latest revision (5.09.01.0014 or better) as the manufactured version is a pre-production version.
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.

Hardware Appliance Installation 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 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.
- Universal Compute Platform User Guide—Describes how to configure, maintain, and upgrade Universal Compute Platform.

Known Issues

Activation Required Message with Factory-Default Versions

Previous factory default versions of Universal Compute Platform 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.

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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