Universal Compute Platform v05.13.01.0006 Release Notes

New Features, Fixes, and Known Issues

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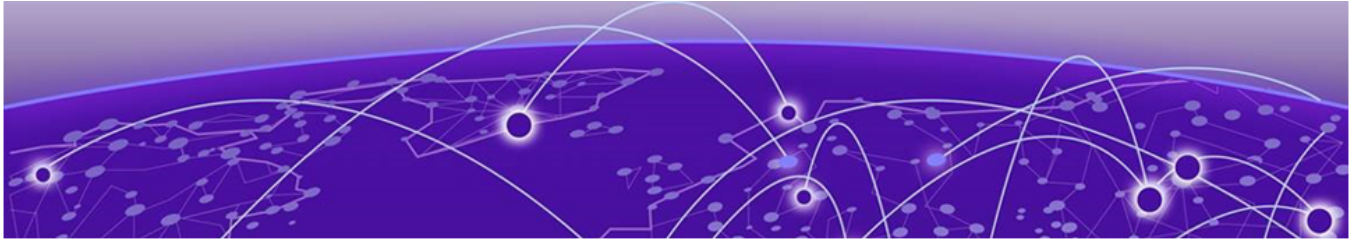

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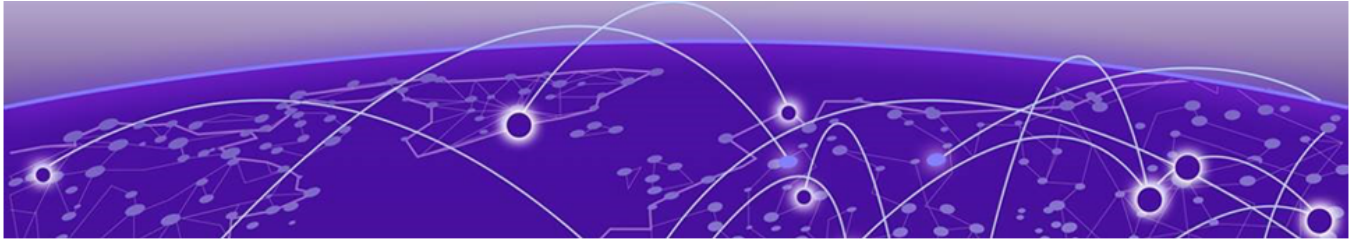

Abstract

The release notes for Universal Compute Platform v5.13.01 provide detailed information on resolved issues, known issues, supported hardware, and critical enhancements in the platform's orchestration framework. This release introduces a firmware version check for clustered deployments on the Deployment Health Dashboard, the ability to use the GUI to disable SNMP, and power supply information on the System Information page. The release also highlights resolved issues as well as known issues like an 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.

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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

Features and Updates	Description
Firmware Version Check	The **Deployment Health Dashboard** now includes a check that verifies whether all nodes in a multi-node cluster are running the same firmware version. The check passes if all nodes are running the same software version. Otherwise, the check provides a warning that one of the nodes is running a different firmware version than the other nodes. This update applies only to ExtremeCloud Edge - Managed Orchestration deployments.
Power Supply Details	The **System Information** page on Universal Compute Platform has been updated to include information on the power supply, including the power supply serial number.
Disable SNMP option from GUI	The **SNMP** page of the Universal Compute Platform GUI now includes an option to disable SNMP on Universal Compute Platform.

Table 1: Features and Updates (continued)

Features and Updates	Description
Application ID Framework	Implemented interface for identification of application instances. For example, the interface can expose serial numbers and revisions.
Model Prefix Firmware Images	Updated firmware image names to explicitly include the corresponding UCP model. For example, the 1130C image name is now `UCP1130C-05.13.01.0006-1.asx`.

Resolved Issues

Table 2: Resolved Issues

Issue	Description
XCACP-896	Updated the **Tools** > **Logs** page to show the default filter dates that get applied automatically to the log display. By default, this page shows logs from the last month.
XCACP-934	Resolved issue with the error message that displays when you attempt to configure an SNMP authentication or privacy password of invalid length. Passwords must be between 8 and 32 characters.
XCACP-944	Added error message that displays when you attempt to configure an SNMP Context String that exceeds 32 characters.
XCACP-958	Resolved issue that was preventing an SNMPv3 user with **Authentication, No Privacy** security settings from being created using the GUI. With this type of user, the **Privacy Type** field now displays no setting.
XCACP-983	Resolved issue that was allowing admins to add a third DNS server using the CLI. Universal Compute Platform supports the deployment of two DNS servers only.

Known Issues

Table 3: Known Issues

Issue	Description
XCACP-1010	Replacing a node in a multi-node cluster may cause the inter-node connectivity checks on the Deployment Health Dashboard to fail. This issue will be addressed in a future release.

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/SFP28 • 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 • ExtremeWireless WiNG Controller (CX9000)—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 Controller (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.

Hardware Guides

- 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.

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.

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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.

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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.

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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.

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- 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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