



Universal Compute Platform v05.11.01.0005 Release Notes

New Features, Fixes, and Known Issues

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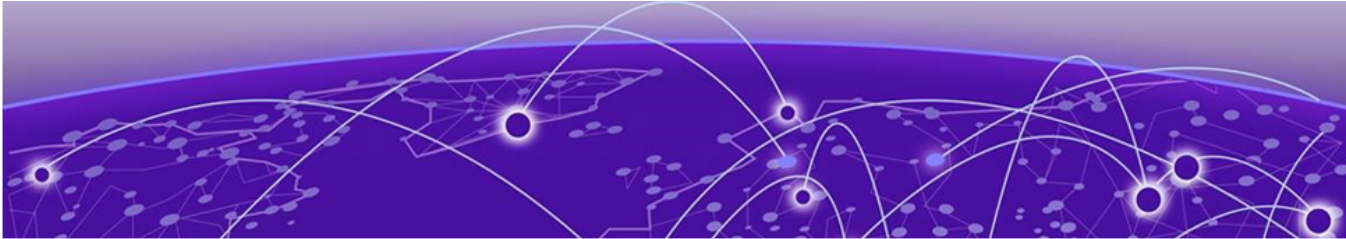
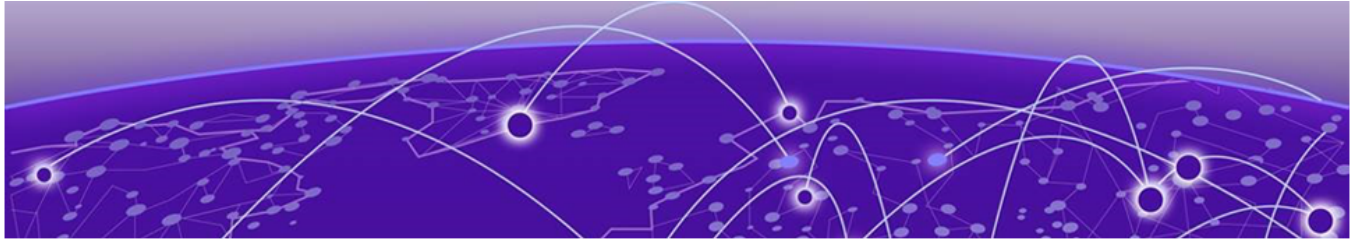


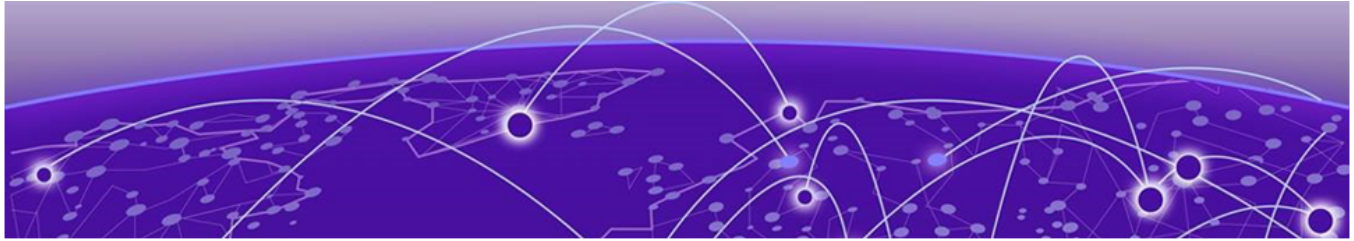
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Abstract

The release notes for Universal Compute Platform v5.11.01 provide detailed information on resolved issues, known issues, supported hardware, and critical enhancements in the platform's orchestration framework. This release introduces DNS validation checks on the Deployment Health Dashboard, an inter-node connectivity matrix for the Nodes matrix, and a new Hardware Events log. 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

The following table provides a list of features and updates for v5.11.01.

Table 1: Features and Updates

Feature	Description
DNS Configuration Checks	This release introduces a DNS Assessment audit to assert that the system is configured with adequate DNS settings. The assessment checks that at least one DNS server is configured and validates the resolution of a well known public FQDN to confirm that the configured settings are operating correctly.
Inter-node Connectivity Checks	This release introduces an Inter-node connectivity matrix for ExtremeCloud Edge - Managed Orchestration cluster nodes. This facility provides visibility on the latency experience between nodes in a cluster as insight into inter-connecting network performance that could affect system functionality.
Hardware Events Log	This release introduces a hardware events log that tracks current status and alert information for hardware items such as the power supply, fans, CPUs, and memory storage.

Resolved Issues

The following table lists issues that have been resolved in this release.

Table 2: Resolved Issues

Update	Description
XCACP-859	Improved log rotation and log quota handling to better protect filesystem against overflows
XCACP-866	Corrected logic to enable restarting an application that may have been halted by an administrator
XCACP-873	Adjusted process file limit allocations to optimize for large scale installations
XCACP-877	Relaxed rules on encoding of multiple VRRP IP addresses to allow spacing between individual IPs
XCACP-878	Corrected Issue whereby Self-Orchestration option may not appear as a selection for Cluster creation, after a node state reset
XCACP-879	Enhanced logic for auto-refreshing Kubernetes certificates for cases where the certificates may have expired previously

Known Issues

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 3: 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 <p>For additional server specifications, along with hardware installation information, see Extreme Networks 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 10 Gbps Data Ports 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 Extreme Networks Universal Compute Platform Appliance 2130C Installation Guide.</p>

Table 3: 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 <p>For additional server specifications, along with hardware installation information, see Extreme Networks 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 (CX9000)—One instance per node <p>For additional server specifications, along with hardware install information, see Extreme Networks Universal Compute Platform Appliance 4120C Installation Guide.</p>

**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 4: 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 Extreme Networks 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 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.

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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