



# Universal Compute Platform v05.12.01.0010 Release Notes

New Features, Fixes, and Known Issues

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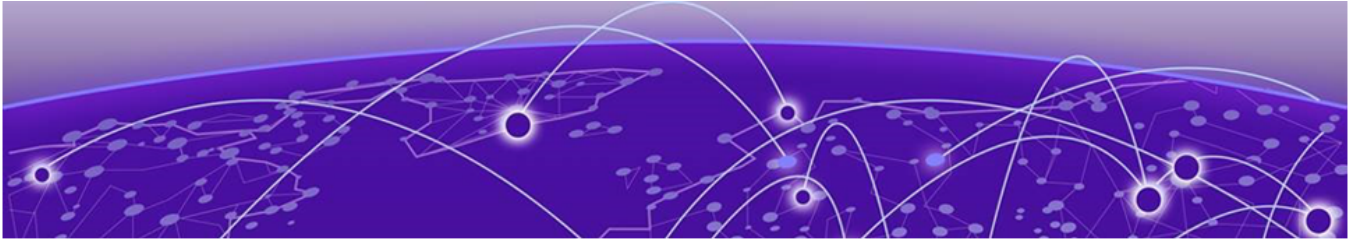
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# Abstract

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The release notes for Universal Compute Platform v5.12.01 provide detailed information on resolved issues, known issues, supported hardware, and critical enhancements in the platform's orchestration framework. This release introduces availability zones, which let you deploy a multi-node cluster with multiple operational zones for improved reliability and redundancy, as well as the ability to configure an SNMP agent on Universal Compute Platform from the user interface. 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.



# 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
Availability Zones	<p>Availability zones let you split a multi-node cluster into separate operational zones where cluster services and applications are distributed across zones. Availability zones improve reliability, when properly scaled, by ensuring that cluster services and applications remain active even if one of the zones becomes unavailable for any reason.</p> <p>To deploy multiple zones, each zone requires a power supply, cooling, and connectivity that is independent of the other zones. You could deploy the different zones in a single location that is segregated according to these requirements, or deploy the zones in different geographic locations to add geographic redundancy.</p> <p>This feature is supported for Managed Orchestration only.</p> <p><b>Note:</b> This feature is available for new installations only. Existing single-zone deployments cannot be split retroactively. To leverage this capability, an existing installation would need to be fully decommissioned and rebuilt from scratch with a new zone allocation. Once the number of availability zones is defined during setup, the number of zones cannot be changed without a complete rebuild. For details, see <a href="#">ExtremeCloud Edge - Managed Orchestration Deployment Guide</a> for details.</p>
SNMP Agent	<p>You can now configure an SNMP Agent on Universal Compute Platform using the GUI. The SNMP Agent monitors cluster services and sends logs and messages to a separate Network Management Station (NMS) server.</p> <p>Universal Compute Platform supports the use of either SNMPv2c or SNMPv3 for messaging.</p>
Support for 10 Gbps Copper Ports	The 2130C, 3150C, and 3160C appliances now support the deployment of 10 Gbps copper port transceivers.
Read-only view of Cluster Configuration	Once the cluster has been created, the <b>Cluster Configuration</b> page switches to a read-only view of cluster settings.

## Resolved Issues

**Table 2: Resolved Issues**

Issue	Description
XCACP-865	Improved progress indicators for application installation and deployment
XCACP-902	Resolved issue where nodes that were in the progress of being upgraded disappeared from inter-node connectivity test. Nodes in the progress of being upgraded now show as having failed inter-node connectivity checks.
XCACP-905	Resolved an issue where cluster creation could fail due to missing synchronization of VRRP configuration settings across all nodes.

## Known Issues

**Table 3: Known Issues**

Issue	Description
XCACP-958	<b>SNMPv3 Auth No Privacy User Cannot be Created</b> There is currently an error when you to create an SNMPv3 user with an <b>Authentication, No Privacy</b> security level using the GUI. The workaround is to use the CLI to create an SNMP user with this security level.

### 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	<p>Ports:</p> <ul style="list-style-type: none"> <li>• 2 x 1 Gbps ICC Ports/RJ45</li> <li>• 4 x 1 Gbps Data 1-4/RJ45</li> </ul> <p>Self-Orchestration deployment application capacity:</p> <ul style="list-style-type: none"> <li>• Tunnel Concentrator—One instance per node</li> <li>• ExtremeCloud IQ Controller (CE1000)—One instance per node</li> </ul> <p>For additional server specifications, along with hardware installation information, see <a href="#">Extreme Networks Universal Compute Platform Appliance 1130C Installation Guide</a>.</p>
2130C	<p>Ports:</p> <ul style="list-style-type: none"> <li>• 2 x 1/10 Gbps ICC Ports/RJ45</li> <li>• 2 x 10 Gbps Data Ports 1-2/SFP28</li> <li>• 2 x 10/25 Gbps Data Ports 3-4/SFP28</li> </ul> <p>Self-Orchestration deployment application capacity:</p> <ul style="list-style-type: none"> <li>• Tunnel Concentrator—One instance per node</li> <li>• ExtremeCloud IQ Controller (CE2000)—One instance per node</li> <li>• ExtremeCloud IQ - Site Engine—One instance per node</li> <li>• ExtremeControl—One instance per node</li> <li>• ExtremeAnalytics—One instance per node</li> </ul> <p>For additional server specifications, along with hardware installation information, see <a href="#">Extreme Networks Universal Compute Platform Appliance 2130C Installation Guide</a>.</p>



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

Hardware Appliance	Details
3150C	<p>Ports:</p> <ul style="list-style-type: none"> <li>• 2 x 1/10 Gbps ICC Ports/RJ45</li> <li>• 2 x 10/25 Gbps Data Ports 1-2/SFP28</li> <li>• 2 x 10/25/50/100 Gbps Data Ports 3-4/QSFP28</li> </ul> <p>Self-Orchestration deployment application capacity:</p> <ul style="list-style-type: none"> <li>• Tunnel Concentrator—One instance per node</li> <li>• ExtremeCloud IQ Controller (CE3000)—One instance per node</li> </ul> <p>For additional server specifications, along with hardware installation information, see <a href="#">Extreme Networks Universal Compute Platform Appliance 3150C Installation Guide</a></p>
4120C/4120C-1	<p>Ports:</p> <ul style="list-style-type: none"> <li>• 2 x 1/10 Gbps ICC Ports/RJ45</li> <li>• 2 x 1/10 Gbps Data 1-2/RJ45</li> <li>• 2 x 1/10/25/40/50 Gbps Data 3-4/QSFP</li> </ul> <p>Self-Orchestration deployment application capacity:</p> <ul style="list-style-type: none"> <li>• Tunnel Concentrator—Up to three instances per node.</li> <li>• ExtremeWireless WiNG (CX9000)—One instance per node</li> </ul> <p>For additional server specifications, along with hardware install information, see <a href="#">Extreme Networks Universal Compute Platform Appliance 4120C Installation Guide</a>.</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 5: Supported Hardware for ExtremeCloud Edge - Managed Orchestration**

Hardware Appliance	Details
3160C	Ports: <ul style="list-style-type: none"> <li>• 2 x 1/10 Gbps ICC Ports/RJ45</li> <li>• 2 x 10/25 Gbps Data 1-2/SFP28</li> <li>• 2 x 10/25/50/100 Gbps Data 3-4/QSFP</li> </ul> For additional server specifications, along with hardware install information, see <a href="#">Extreme Networks Universal Compute Platform Appliance 3160C Installation Guide</a> .
4120C-1	Ports: <ul style="list-style-type: none"> <li>• 2 x 1/10 Gbps ICC Ports/RJ45</li> <li>• 2 x 1/10 Gbps Data 1-2/ RJ45</li> <li>• 2 x 1/10/25/40/50 Gbps Data 3-4/QSFP</li> </ul> For additional server specifications, along with hardware install information, see <a href="#">Extreme Networks Universal Compute Platform Appliance 4120C Installation Guide</a> .

## 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.

## Help and Support

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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](http://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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