

# Dell EMC XC Core

## XC6515 System Support Matrix

## Notes, cautions, and warnings

 **NOTE:** A NOTE indicates important information that helps you make better use of your product.

 **CAUTION:** A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.

 **WARNING:** A WARNING indicates a potential for property damage, personal injury, or death.


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## Revision history

Date	Document revision	Description of changes
February 2021	A4	Updated the following sections: <ul style="list-style-type: none"><li>• Supported management software</li><li>• Supported hypervisor OSs</li></ul>
December 2020	A3	Updated the following sections: <ul style="list-style-type: none"><li>• Supported management software</li><li>• Supported hypervisor OSs</li></ul>
September 2020	A2	Updated the following sections: <ul style="list-style-type: none"><li>• Supported NICs</li><li>• Supported management software</li><li>• Supported hypervisor OSs</li></ul>
July 2020	A1	Initial release

# Introduction

This document provides information about the supported software, firmware, and hardware versions and technical specifications for the Dell EMC XC Series Hyper-Converged Appliance.

 **NOTE:** This Support Matrix contains the latest compatibility and interoperability information. If you observe inconsistencies between this information and other documentation or references, this document supersedes all other documentation.

# Support hardware, firmware, and software

This chapter provides information about supported software, firmware, and hardware versions for the Dell EMC XC Core XC6515 Hyper-Converged Appliance.

**i** **NOTE:** Future updates to this document may remove firmware versions because Nutanix LCM is the prescribed method to update the appliance.

## Supported components

**Table 1. Supported components**

Component	Rome Model
CPUs	7302P
CPUs	7402P
CPUs	7502P
CPUs	7702P

**Table 2. Memory capability**

	Rome
16Gb RDIMM	3200 MT/s
32Gb RDIMM	3200 MT/s
64Gb RDIMM	3200 MT/s

## Supported physical disk drives

This section provides information about disks drives supported by your hardware.

**Table 3. Supported physical disk drives**

Form Factor	Capacity	Type	Vendor
2.5"	1.2 TB	SAS HDD	Dell EMC Supported
2.5"	2.4 TB	SAS HDD	Dell EMC Supported
2.5"	2.4 TB	SED SAS HDD	Dell EMC Supported
2.5"	480 GB	SATA SSD	Dell EMC Supported
2.5"	960 GB	SATA SSD	Dell EMC Supported
2.5"	1920 GB	SATA SSD	Dell EMC Supported
2.5"	3840 GB	SATA SSD	Dell EMC Supported
2.5"	480 GB	SAS SSD	Dell EMC Supported
2.5"	800 GB	SAS SSD	Dell EMC Supported
2.5"	960 GB	SAS SSD	Dell EMC Supported
2.5"	1920 GB	SAS SSD	Dell EMC Supported

**Table 3. Supported physical disk drives (continued)**

Form Factor	Capacity	Type	Vendor
2.5"	3840 GB	SAS SSD	Dell EMC Supported
2.5"	960 GB	SED SAS SSD	Dell EMC Supported
2.5"	7680 GB	SAS SSD	Dell EMC Supported
2.5"	1920 GB	SED SAS SSD	Dell EMC Supported
2.5"	3840 GB	SED SAS SSD	Dell EMC Supported *Not supported until mid September 2020

## Encryption Restrictions

This section describes encryption restrictions.

- If encryption has never been enabled and you do not plan to use it in the future, secure encrypted drives (SED) can be mixed with unencrypted (non-SED) drives in the same node.
- If encryption was never enabled and remains disabled, encrypted nodes can be mixed with unencrypted nodes in the same cluster.
- Encryption is not supported for NVMe drives.
- All nodes in the cluster must have SED capable drives to use hardware SED encryption

 **NOTE:** If SED drives are mixed with non-SED drives, the encryption cannot be enabled for that cluster.


An encryption key must be removed from the SED drives from Prism before you format (clear) the SED drives.

## Supported Networking

This section provides information about networking supported by your hardware and supported NICs.

Intel branded Network Daughter Cards (NDC) and Network Interface Cards (NIC) specify the use of only Intel branded SFP+ optical modules for use with optical cables. When ordering a system with optics, the appropriate Intel branded SFP+ optical modules are included with your order. If you already have SFP+ optical modules, ensure that they are the Intel branded modules before inserting into the NDC or NIC. Twinax cables are also the supported network cables for Intel NDC and NIC.

 **CAUTION:** Using any brand of SFP+ module other than Intel during deployment disables the 10 GbE ports. Call Dell EMC Support to recover port functionality.

 **WARNING:** Hot-plugging an unsupported SFP+ module causes ESXi host to fail with purple diagnostic screen. Call Dell EMC Support to recover from this situation.

## Supported NDCs

This section specifies the supported NDCs.

**Table 4. Supported NDCs**

Name
Broadcom 57414 25Gb NDC

## Supported NICs

This section specifies the supported NICs.

Vendor	Description	Chipset
Intel	CRD,NTWK,DP,INTEL,25G,SFP,LP	XXV710
	CRD,NTWK,10G,SFP+,DP FVL,IN,LP	X710
	CRD,NTWK,INTL,LP,10G,2P,BT	X710
Broadcom	CRD,NTWK,PCIE,DP,10G,57416,LP	57416
	CRD,NTWK,PCIE,DP,25G,57414,LP	57414

## Supported management software

This section provides information about components supported by your appliance.

Name	AOS version (Rome)	AOS version (Milan)
AHV	5.17 or later	TBD
ESXi 6.7 U3	5.17 or later	TBD
ESXi 7.0	Foundation 4.5.4.2 plus AOS 5.18 or later	TBD
ESXi 7.0 U1	Min. AOS version-LTS: 5.15.5 Min. AOS version-STC: 5.19.1	TBD

## Supported hypervisor OSs

This section provides information about the hypervisor Operating Systems (OS) supported by your appliance.

**Table 5. Supported hypervisor OSs**

Name	
VMware	ESXi 6.7 U3, ESXi 7.0, ESXi 7.0 U1
Acropolis Hypervisor (AHV)	5.17 or later



## Documentation matrix

The documentation matrix provides information about the documents that you use to configure and deploy the Dell EMC Hyper-Converged Appliance solution.

**⚠ WARNING: See the safety and regulatory information that shipped with your system. Warranty information may be included with this document or as a separate document.**

Make sure that you read through any media that ships with your system that provides documentation and tools for configuring and managing your system, including those pertaining to the OS, system management software, system updates, and system components that you purchased with your system.

**i NOTE:** URLs such as [Dell.com/support](http://Dell.com/support) or [Dell.com/support/home](http://Dell.com/support/home) are not active because you must type the URL from your location to access your specific language.

For the full name of an abbreviation or acronym used in this document, see the Glossary at [Dell.com/support/home](http://Dell.com/support/home).

**i NOTE:** Always read the updates on [Dell.com/support/home](http://Dell.com/support/home) because they often supersede information in other documents.

**i NOTE:** While upgrading your system, Dell EMC recommends that you download and install the latest BIOS, driver, and systems management firmware on your system from [Dell.com/support/home](http://Dell.com/support/home).

## Dell EMC documentation

Dell EMC documentation is either included with your shipment or available at the Dell EMC website at [Dell.com/xcseriesmanuals](http://Dell.com/xcseriesmanuals).

### About this task

Dell EMC documentation for:

- Dell EMC iDRAC is available at [Dell.com/idracmanuals](http://Dell.com/idracmanuals).
- Dell OpenManage Essentials is available at [Dell.com/openmanagemanuals](http://Dell.com/openmanagemanuals).

To access Dell EMC documentation:

### Steps

1. In the **Dell EMC Support** page, scroll down to **General Support**, and then click **Servers, Storage & Networking**.
2. Click **Engineered Solutions**, click **Manuals**, and select the documentation you require.

**Table 6. Dell EMC reference documentation**

To learn about...	Refer to...
Setup instructions of your system, including the technical specifications	<i>Getting Started Guide</i>
Hardware details for your system	<i>Owner's Manual</i>
How to install your system into a rack	<i>Dell Rack Install Guide</i>
How to deploy and set up this solution	<i>Solutions Guide</i>
How to deploy an ESXi hypervisor	<i>ESXi Best Practices Guide</i>
How to find important information about your solution	<i>Release Notes</i>
Setting up and using Dell iDRAC9	<i>Dell iDRAC9 Quick Start Guide</i>
Using OpenManage Essentials to monitor, perform updates, view hardware, and view inventory on your system	<i>Dell OpenManage Essentials User's Guide</i>

# Nutanix documentation

You can find Nutanix documentation using the Nutanix portal at <https://portal.nutanix.com/#/page/docs>. To display a complete set of documentation, you must have user credentials to log in.

The required Nutanix documentation is found using various filters or search.

**Table 7. Nutanix documentation**

<b>To learn about...</b>	<b>Acropolis base document name</b>
Set up instructions for environments with special requirements and restrictions.	<i>Acropolis Advanced Setup Guide</i>
Comprehensive references for Controller Virtual Machine (CVM) utilities, nCLI commands, and Nutanix PowerShell cmdlet	<i>Acropolis Command Reference</i>
Instructions and reference for administering the Nutanix solution software outside the Nutanix Prism UI (such as cluster start/stop, manual upgrade, changing passwords, reconfiguring IP addresses, and troubleshooting tools).	<i>Acropolis Advanced Administration Guide</i>
Managing Nutanix Acropolis AHV hosts that run Nutanix solution software.	<i>Acropolis Hypervisor Administration Guide</i>
Managing VMware ESXi hosts that run Nutanix solution software, including VMware vCenter requirements.	<i>vSphere Administration Guide for Acropolis (using vSphere Client)</i>
Managing Hyper-V hosts that run the Nutanix solution software, including domain requirements.	<i>Hyper-V Administration for Acropolis</i>
Comprehensive references for the Nutanix REST API.	<i>Acropolis API Reference</i>
Distributed VM management services for Nutanix nodes with Acropolis hypervisor (AHV).	<i>Acropolis App Mobility Fabric Guide</i>
Nutanix support of containers through Acropolis Container Services.	<i>Acropolis Container Services Guide</i>
Set up instructions for your solution.	<i>Field Installation Guide</i>
Software instructions for hardware components that are not functioning.	<i>AHV Administration Guide</i>
Software instructions for hardware components that are not functioning.	<i>Hardware Replacement Documentation</i>
Comprehensive instructions and references for the Nutanix UI, including overview information.	<i>Prism Web Console Guide</i>
Monitoring multiple Nutanix cluster through web console.	<i>Prism Central Guide</i>

# Contacting Dell EMC

Dell EMC provides several online and telephone-based support and service options.

## About this task

If you do not have an active internet connection, you can find contact information about your purchase invoice, packing slip, bill, or Dell EMC product catalog. Availability varies by country and product, and some services may not be available in your area. To contact Dell EMC for sales, technical assistance, or customer-service issues:

## Steps

1. Go to **Dell.com/support**.
2. Select your country from the drop-down menu on the lower right corner of the page.
3. For customized support, enter your system **Service Tag** and then click **Submit**.  
The support page that lists the various support categories is displayed.
4. For general support, select your product category, product segment and product.  
The support page that lists the various support categories is displayed.
5. For contact details of Dell EMC Global Technical Support, click **Global Technical Support**.  
The Contact Technical Support page is displayed with details to call, chat, or email the Dell EMC Global Technical Support team.

## Quick Resource Locator

Use the Quick Resource Locator (QRL) to get immediate access to Dell EMC solution information.

This information provides access to reference documentation, a link to the Dell support page, and links to hardware-specific QRL pages, which include how-to videos. You can access this information by visiting [www.dell.com/QRL](http://www.dell.com/QRL) or by using your smartphone or tablet and scanning the QR code below.

