

# Dell EMC VxBlock™ Central

## Getting Started Guide

## 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
December 2020	1.8	Updated the table for Installation tasks for CentOS upgrade in VxBlock Central Version 4.0.
November 2020	1.7	Updated the Installation section to include the task for configuring VxBlock Central Lifecycle Management.
June 2020	1.6	Update to Installation time for addition of Dell EMC XtremIO X2 configuration procedure.
March 2020	1.5	Restructured the tasks in the <i>Upgrade</i> section
December 2019	1.4	Made the following changes in the <i>Installation</i> section: <ul style="list-style-type: none"><li>• The estimated time for <i>Add and configure system and components in VxBlock Central</i> task is increased.</li><li>• Added a new <i>Make sure Cisco Discovery Protocol is enabled on Cisco MDS and Nexus Switches</i> task.</li><li>• Added a new <i>Launch VxBlock Central Lifecycle Management</i> section.</li></ul>
September 2019	1.3	Made the following changes in <i>Installation</i> section: <ul style="list-style-type: none"><li>• Added a new <i>Reset end user license agreement</i> task</li><li>• Removed the <i>Accept end user license agreement</i> task</li><li>• Renamed the tasks to include Workflow Automation</li></ul> Restructured the tasks in the <i>Upgrade</i> section
September 2019	1.2	Added new topic <i>Workflow Automation</i> .
July 2019	1.1	Updated with links to VxBlock Central 2.0 documents.
July 2019	1.0	Initial release.

# Introduction

This document provides an overview of how to install and upgrade VxBlock Central, including Base, Workflow Automation, Analytics, and Lifecycle Management.

See the [Glossary](#) for terms, definitions, and acronyms.

## VxBlock Central overview

The Dell EMC Converged System Architecture Overviews include an overview of VxBlock Central. See the following list for the link to the Architecture Overview for your Converged System:

- [Dell EMC VxBlock™ System 1000 Architecture Overview](#)
- [Dell EMC VxBlock™ and Vblock™ System 740 Architecture Overview](#)
- [Dell EMC VxBlock™ and Vblock™ System 540 Architecture Overview](#)
- [Dell EMC VxBlock™ and Vblock™ System 350 Architecture Overview](#)
- [Dell EMC VxBlock™ and Vblock™ System 340 Architecture Overview](#)
- [Dell EMC VxBlock™ and Vblock™ System 240 Architecture Overview](#)

# Installation

The *VxBlock Central Installation Guide* guides you through the installation.

## Installation tasks

The tables in the following sections describe high-level tasks to install VxBlock Central and the estimated time required to complete those tasks.

### Install VxBlock Central Base

The following table provides the high-level tasks to install VxBlock Central.

Task	Estimated time
<b>Migration tasks applicable to only VxBlock Central Version 4.0</b>	
These rows only apply for a reinstall on an existing system.	
Manually back up existing configuration settings, Alerts, RCM, Inventory, and Roles information	60 minutes
Migrate existing system configuration file	2 minutes
Take a snapshot of the VMs	2 minutes per VM
<b>Pre-installation tasks</b>	
Verify system requirements	5 minutes
Download OVA files for Core VM, MSM VM, and MSP VM	10 to 12 minutes for each OVA (sized around 2-3 GB)
<b>Installation tasks</b>	
Install and configure Core VM	10 to 15 minutes
Install and configure MSM VM	10 to 15 minutes
Install and configure MSP VM for RCM content repositioning feature (optional)	10 to 15 minutes
Set up Core VM, validation, discovery and attach to MSM VM	2 to 3 hours
Configure Isilon and cabinet components (optional)	5 minutes
Configure XtremIO X2 for syslog (optional)	10 to 15 minutes
Configure components to send traps	5 minutes for each component
Ensure Cisco Discovery Protocol is enabled on Cisco MDS and Nexus Switches	10 to 15 minutes
Access the VxBlock Central dashboard	5 minutes
Add and configure system and components in VxBlock Central	50 to 70 minutes
Add decrypted system configuration file through the Discovery tab in VxBlock Central (This is an optional task for VxBlock Central Version 4.0 reinstall.)	5 minutes

Task	Estimated time
Input configuration settings and information recorded before running the migration file. (This is an optional task for VxBlock Central Version 4.0 reinstall.)	2 to 3 hours
Configure Secure Remote Services in VxBlock Central	10 to 15 minutes
Upload and install the latest compliance content	5 to 10 minutes
Tailor an RCM profile (optional)	5 minutes
Reset end user license agreement (optional)	2 to 5 minutes
Configure VxBlock Central Lifecycle Management	30 minutes

## Install VxBlock Central Workflow Automation

Follow the plug-in download and installation process to install the latest workflow package.

**i** **NOTE:** Workflow Automation is available on the:

- VxBlock System 1000
- VxBlock System 740 and Vblock System 740
- VxBlock System 540 and Vblock System 540
- VxBlock System 350 and Vblock System 350

Task	Estimated time
<b>Pre-installation tasks</b>	
Download VxBlock Central Workflow Automation plug-in and Orchestration Services OVA	5 minutes
<b>Installation tasks</b>	
Install and deploy VMware vRO	5 to 10 minutes
Install the VxBlock Central Workflow Automation plug-in	5 to 10 minutes
Install the XtremIO plug-in for vRealize Orchestrator	5 to 10 minutes
Deploy VxBlock Central Orchestration Services OVA	5 to 10 minutes
Configure VxBlock Central Orchestration Services	5 to 10 minutes
<b>Post-installation tasks</b>	
Launch VxBlock Central Workflow Automation	5 minutes
Configure VxBlock Central Orchestration Services interfaces	5 minutes
Configure VMware vRO workflows	10 minutes
Configure credentials for VMware vRO workflows	10 minutes

## Install VxBlock Central Analytics

**i** **NOTE:** Analytics is installed at a customer site. It is not installed during the logical build of the Converged System. You must complete the pre-installation and installation tasks to install and configure VMware vRealize Operations, which is required to access Analytics.

Task	Estimated time
<b>Pre-installation tasks</b>	



<b>Task</b>	<b>Estimated time</b>
Download VMware vRealize Operations adapter	1 minute (approximately)
<b>Installation tasks</b>	
Install the VMware vRealize Operations adapter	5 to 10 minutes
<b>Post-installation tasks</b>	
Launch VxBlock Central Analytics	1 minute
Configure the VMware vRealize Operations adapter	5 minutes
Configure the MSM VM with VMware vRealize Operations	5 minutes
Add online help for VMware vRealize Operations Manager	3 minutes

## Installation Guide

See the latest *Dell EMC VxBlock Central Installation Guide* for detailed information.

# Workflow Automation

The VxBlock Central Workflow Automation library features automated workflows designed to deploy and configure your Converged System across the compute, network, storage, and virtual layers.

For more information about workflows, see the [Dell EMC VxBlock Central Workflow Automation Reference Guide](#).

# Upgrade

The *VxBlock Central Upgrade Guide* describes upgrading from Dell EMC Vision 3.6.2 and from previous versions of VxBlock Central to the most recent version of VxBlock Central.

See the latest *Dell EMC VxBlock Central Upgrade Guide* for detailed information.

**NOTE:** This section is not applicable to VxBlock Central Version 4.0.

Task	Estimated time
<b>Upgrade VxBlock Central</b>	
<b>Pre upgrade tasks</b>	
Verify system requirements	5 minutes
Upgrade verification tasks	10 minutes
Download VxBlock Central upgrade files	10 to 12 minutes
Collect the custom display names	5 minutes
Take a snapshot of VMs	2 minutes per VM
Take a snapshot of VMs in the cluster	2 minutes per VM
Configure the VMs to use the NTP server	5 minutes
<b>Upgrade tasks</b>	
Upgrade a single MSM VM using the simplified upgrade	20 to 30 minutes
Upgrade a single site cluster with a single MSM VM	20 to 25 minutes
Upgrade a single-site cluster containing multiple MSM VMs	50 to 60 minutes per cluster
Upgrade a multisite cluster	50 to 60 minutes per cluster
<b>Post upgrade tasks</b>	
Retype the custom display names	2 minutes
Remove a VM snapshot	2 to 3 minutes per VM
Upload compliance content	2 minutes
Perform post configuration steps	15 to 20 minutes
Check SRS settings for VxBlock Central Lifecycle Management	30 minutes
<b>Upgrade VxBlock Central Orchestration Services (if licensed)</b>	15 to 20 minutes
<b>Upgrade the VxBlock Central Operations Management Pack (if licensed)</b>	10 to 15 minutes

# VxBlock Central administration

See the administration guide for your Converged System for information about using VxBlock Central to manage your Converged System:

- [Dell EMC VxBlock™ System 1000 Administration Guide](#)
- [Dell EMC VxBlock™ or Vblock™ System 740 Administration Guide](#)
- [Dell EMC VxBlock™ or Vblock™ System 540 Administration Guide](#)
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