Dell EMC Converged Systems

Glossary

Document revision 1.28
December 2019
<table>
<thead>
<tr>
<th>Date</th>
<th>Document revision</th>
<th>Description of changes</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 2019</td>
<td>1.28</td>
<td>Added AMP Central description.</td>
</tr>
<tr>
<td>September 2019</td>
<td>1.27</td>
<td>• Deleted Vision terms.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Updated the definition for Converged System.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Updated VxBlock Central terms.</td>
</tr>
<tr>
<td>July 2019</td>
<td>1.26</td>
<td>Added the following terms:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Dedicated deployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Shared deployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxFlex integrated rack</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxFlex integrated systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxFlex Manager</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxFlex node</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxFlex OS gateway</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated the following terms:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• hyperconverged deployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxFlex OS</td>
</tr>
<tr>
<td>January 2019</td>
<td>1.25</td>
<td>Added the following terms:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Hyper-converged deployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Two-layer deployment</td>
</tr>
<tr>
<td>December 2018</td>
<td>1.24</td>
<td>Added the following VxBlock Central terms:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxBlock Central</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxBlock Central Orchestration</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• VxBlock Central Operations</td>
</tr>
<tr>
<td>August 2018</td>
<td>1.23</td>
<td>Added the following VxFlex Manager terms:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Deployment</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Port view</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Service</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Template</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated the following terms:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Bare metal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Resource</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Rebranding for Dell EMC VxFlex OS</td>
</tr>
<tr>
<td>Date</td>
<td>Document revision</td>
<td>Description of changes</td>
</tr>
<tr>
<td>--------------</td>
<td>-------------------</td>
<td>----------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>March 2018</td>
<td>1.22</td>
<td>Added terms related to VxBlock System 1000.</td>
</tr>
<tr>
<td>March 2017</td>
<td>1.21</td>
<td>Added VxRack and VxRail terms.</td>
</tr>
<tr>
<td>January 2017</td>
<td>1.20</td>
<td>Rebranding</td>
</tr>
<tr>
<td>July 2016</td>
<td>1.19</td>
<td>Added VsScale Architecture terms.</td>
</tr>
<tr>
<td>May 2016</td>
<td>1.18</td>
<td>Added the following terms:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- ScaleIO</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Software Defined Storage (SDS)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Hyper-converged engineered system</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Hyper-converged infrastructure appliance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- VxRack node</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- VxRail Appliance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated the Vblock System 200 entry to include VxBlock System.</td>
</tr>
<tr>
<td>January 2016</td>
<td>1.17</td>
<td>Removed references to Vblock System 0, 1, and 1U.</td>
</tr>
<tr>
<td>August 2015</td>
<td>1.16</td>
<td>Added terms for:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Release Certification Matrix</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Converged Systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Converged Technology Extension for Cisco UCS compute</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Converged Technology Extension for Isilon storage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Converged Technology Extension for XtremIO storage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- VxBlock Systems</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Revised the definition for Vblock Systems.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Revised Integrated Data Protection</td>
</tr>
<tr>
<td>February 2015</td>
<td>1.15</td>
<td>Added terms for:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Vblock System 540</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Shared Management Platform</td>
</tr>
<tr>
<td>December 2014</td>
<td>1.14</td>
<td>Added AMP-2HA and IPI</td>
</tr>
<tr>
<td>July 2014</td>
<td>1.13</td>
<td>Added terms for AMP-2</td>
</tr>
<tr>
<td>October 2013</td>
<td>1.12</td>
<td>Updated term for UIM</td>
</tr>
<tr>
<td>April 2013</td>
<td>1.11</td>
<td>Added Vblock System 200</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Added Vision terms</td>
</tr>
<tr>
<td>March 2013</td>
<td>1.10</td>
<td>Added Vblock System 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Updated for rebranding</td>
</tr>
<tr>
<td>January 2013</td>
<td>1.9</td>
<td>Removed references to Vblock System 300 models</td>
</tr>
<tr>
<td>Date</td>
<td>Document revision</td>
<td>Description of changes</td>
</tr>
<tr>
<td>------------------</td>
<td>-------------------</td>
<td>---------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>December 2012</td>
<td>1.8</td>
<td>- Added terms for Vblock System 300</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Added terms for Vblock System security</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Updated references to VNXe3150</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Updated references to Cisco UCS C220 Server</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Removed references to cabinet names and Powerlink</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Updated for rebranding</td>
</tr>
<tr>
<td>June 2012</td>
<td>1.7</td>
<td>- Added terms for Integrated Data Protection</td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Updated for VMAX and rebranding</td>
</tr>
<tr>
<td>March 2012</td>
<td>1.6</td>
<td>Added new terms and input edits</td>
</tr>
<tr>
<td>July 2011</td>
<td>1.5</td>
<td>Added new terms and input edits</td>
</tr>
<tr>
<td>June 2011</td>
<td>1.4</td>
<td>Added many new terms and added new Vblock Systems</td>
</tr>
<tr>
<td>December 2010</td>
<td>1.0 - 1.3</td>
<td>Initial releases</td>
</tr>
</tbody>
</table>
Introduction

This document provides terms, definitions, and acronyms for Converged Systems.

Dell EMC VxFlex integrated rack was previously known as Dell EMC VxRack FLEX. Similarly, Dell EMC VxFlex OS was previously known as Dell EMC ScaleIO. References in the documentation will be updated over time.

References to VxFlex Manager in this document apply only if you have a licensed version of VxFlex Manager. For more information, contact Dell EMC Sales.
Advanced Management Platform (AMP)
Provides the infrastructure and tools to support management software that is used to operate a Converged System.

Advanced Management Platform - Version 2 (AMP-2)
Second generation of the Advanced Management Platform. AMP-2 is designed as a hardware and workload solution to support management software that is used to operate a Converged System.

AMP
See Advanced Management Platform.

AMP-2

AMP-2HA
AMP-2 high availability model that provides automatic failover and load balancing of VMs that are deployed to implement Core and Optional management workloads. The following configuration options are available:
- Base consists of two Cisco UCS rack servers and a VNXe3200 storage array with FAST Cache.
- Performance consists of the base configuration plus a third Cisco UCS rack server and 100 GB enterprise flash drives (EFDs) to implement FAST VP.

AMP-2LP
Limited physical version of the second generation Advanced Management Platform. AMP-2LP is a single dedicated server with limited hardware configuration to run a subset of the Core Management Workload as virtual machines using its own resources, not customer resources. AMP-2LP is designed for 100 percent bare metal configurations.

AMP-2P
Minimum physical version of the second generation Advanced Management Platform. AMP-2P is a single dedicated server running Core Management and Optional Management Workloads as VMs using its own resources, not customer resources.

AMP-2RP
Redundant physical version of AMP-2. AMP-2RP is a pair of dedicated servers running Core Management and Optional Workloads in a redundant configuration using its own resources, not customer resources.

AMP-2V
Virtual version of AMP-2 running Core Management and Optional Workloads as VMs on customer resources.

AMP Central
AMP Central provides a consolidated infrastructure to manage multiple VxBlock Systems in a data center. AMP Central is available in a stand-alone configuration or integrated configuration within a VxBlock System cabinet. AMP Central stand-alone configuration supports up to eight production VMware vCenter Servers. AMP Central integrated configuration can manage a smaller environment with up to four production VMware vCenter Servers.
**bare metal**

Non-VMware virtualized operating system and applications that run on systems.

**block (block device, block storage)**

Storage design that allows direct data access at a LUN level from a host. In a block access design, the host must provide all access and sharing facilities for the LUN. This design compares to file access where the storage system maintains the file system and all lock management for the hosts that are accessing the data. Typical block protocols are FC, FCoE, and iSCSI.
chassis activation kit (CAK)
Software license that enables additional fabric interconnect ports. For VxBlock and Vblock Systems 300 series and VxBlock and Vblock Systems 700 series, cabinets are shipped with the first two blade chassis licensed. As more blades are added and additional chassis are required, chassis activation kits are automatically added.

compliance benchmark
An established benchmark, such as a Release Certification Matrix (RCM), is used to determine the operational compliance the Converged System has to a specified profile. Benchmarks adhere to XCCDF (Extensible Configuration Checklist Description Format) schema, including the syntax, structural, and other XCCDF benchmark requirements. Used in Vision Intelligent Operations.

compliance checker
Functionality that provides criteria to validate that the Converged System complies with the expected values within an established profile and benchmark, such as the Converged System Release Certification Matrix (RCM). The Vision API for Compliance Checker is installed as part of the Vision System Library software installation.

compliance report
Summarized results of a compliance scan, including the rules analyzed, a summary of results, and the rules executed by group. Used in Vision Intelligent Operations.

compliance report score
Reported level of compliance to an established benchmark reported by running a compliance scan of the Converged System. Possible scores include: less than 50 percent, 50 - 74 percent, and 75 percent or above. Used in Vision Intelligent Operations.

compliance scan
Scan that compares the firmware and/or software levels running on the different components of the Converged System to the levels defined in the selected profile within the benchmark. Used in VxBlock Central.

compliance score history
Historical trend of the compliance scan scores, as well as the durations of the various scans that have been performed. Used in Vision Intelligent Operations.

Converged System
The configured system of hardware and software components integrated as one unit of data center infrastructure. Converged Systems are manufactured by Dell EMC.

Converged Technology Extension for Cisco UCS compute
The technology extension for Cisco UCS servers expands an existing VxBlock System and Vblock System by adding Cisco UCS C-series servers to the compute domain. These servers provide additional resources and server configurations for Converged Systems to support hardware-optimized configurations for specific workloads and applications.

Converged Technology Extension for Isilon storage
The technology extension optimizes storage capacity, performance, and data capacity to help customers address the unprecedented growth in unstructured data. This Converged Technology Extension is a NAS scale-out solution that optimizes scale-out data storage requirements as part of a Converged System.

Converged Technology Extension for storage
Homogenous or heterogeneous scale-out solutions for the VxBlock System and Vblock System. Each technology extension storage is available with Dell EMC Unity, VNX, XtremIO, or VMAX3 storage.
Core management workload

Minimum set of required management software. Includes all hypervisor management, element managers, virtual networking components (VMware VDS or Cisco Nexus 1000V), VxBlock Central, and the support resources required to install, operate, and support a Converged System.
dedicated deployment
When deployed on a VxFlex integrated rack, the VxFlex OS front-end (application) and back-end (storage) traffic use separate NIC pairs.

deployment
The automated process of selecting and configuring specific resources based on the requirements outlined in a template using VxFlex Manager's built-in automation workflows.

dashboards
Show VxBlock Central monitored components and their metric data. Each dashboard shows the relationships between monitored components.

Dvols
Physical storage unit exported from the storage array. All other volume types are created from disk volumes.
Ecosystem Management Workload
   Customer-specific management software whose primary purpose is to manage and support one or more Converged Systems.

element manager
   A software component used to manage Converged System components or used as a support tool.

events
   Events that originate at the individual Converged System component level. The events are processed by VxBlock Central.
**health status**

VxBlock Central status of the various components in the Converged System and of the Converged System itself, calculated using a Dell EMC algorithm. Possible statuses are: operable, minor, degraded, major, and critical.

**hyperconverged deployment**

Compute and storage reside within the same server, creating a single-layer architecture.

**hyperconverged infrastructure (HCI)**

A hyperconverged system built on software-centric architecture to deliver tightly integrated software-defined compute, storage, network, and system management resources in a scale-out multi-cabinet deployment. The hyperconverged infrastructure delivers unmatched scalability, performance, flexibility, ease of management, and faster time to market.
Intelligent Physical Infrastructure (IPI) solution
Hardware, firmware, and software that enables users to remotely monitor, manage, and troubleshoot the power, temperature, and physical security of Converged System cabinets and power components.

IPMI
Intelligent Platform Management Interface.
management aggregation switches
A pair of switches that combines and interlinks the connections for multiple pairs of subordinate management switches.

management infrastructure
General term used to reference AMP, AMP-2, AMP-VX, or other management solutions available with a Converged System.

management server
Component in the Advanced Management Platform (AMP) of the Converged System. For Converged Systems, the Cisco C-2XX series servers host management VMs that balance simplicity, performance, and density for production-level virtualization, web infrastructure, and other mainstream data center workloads. For the AMP-VX, Dell PowerEdge servers host management VMs that balance simplicity, performance, and density for production-level virtualization, web infrastructure, and other mainstream data center workloads.

management switch
A switch that connects the Converged System to AMP-2 or AMP-VX. For Converged Systems using the original Advanced Management Platform (AMP), the management switch is in the AMP.

metrics
Observed values of component attributes. Metric data are collected for each component monitored by VxBlock Central. The adapter defines collection criteria for components and those criteria determine the type of information sent. Types of metric data include operational status, temperature, as well as CPU, storage, and memory utilization.

mini-AMP
A variant of the original Advanced Management Platform (AMP) consisting of a single rack-mounted server and dual Cisco switches.

Multiple VxBlock System 1000
Multiple VxBlock Systems 1000 are deployed in a single site and are managed by a single AMP-VX.
network layer

Layer in Converged Systems that provides the switching and routing between the compute and storage layers and between the Converged System and the customer network. Contains the Cisco Nexus and MDS switches.
OneFS

This operating system running on the Converged Technology Extension for Isilon storage system combines three layers of traditional storage architecture into one unified software layer: file system, volume manager, and data protection. Creates a single intelligent file system that spans all nodes within a cluster.

operational status

Reporting of how well a component is functioning. VxBlock Central determines the operational status based on responses from queried components. The statuses that VxBlock Central can report are operable, critical, major, minor, degraded, and inoperable.

Optional Management Workloads

All non-Core Management Workloads that are covered by Support and installed by Dell EMC.
patch panel
   Panel mounted in the Converged System cabinet that houses cable connections.

port view
   A VxFlex Manager feature associated with a service deployment that is used to view the physical network configuration characteristics and topology from the server network interface cards to upstream switches, highlighting such details as switch ports, VLANs, and network identifiers such as MAC addresses.
rack unit (RU)
    Unit of measurement for rack mount equipment. One RU is 1.75 in. (4.44 cm).

Release Certification Matrix (RCM)
    A document that defines the specific hardware components and software version combinations that are tested and
certified by Dell EMC for Converged Systems and other Dell EMC products.

Remote Protection suite
    Storage software suite available on specific Converged Systems that protect data against localized failures,
outages, and disasters.

resource
    A physical and virtual datacenter object that interacts with and is monitored by VxBlock Central or VxFlex
Manager. Resources in VxFlex Manager are grouped by node, switch, VxFlex OS Gateway, VM manager (for
example, VMware vCenter), and element manager (for example, OpenManage Enterprise).

RU
    See rack unit.
ScaleIO
ScaleIO is now referred to as VxFlex OS. VxFlex OS is a scale-out block storage service that enables the creation of a scale-out server SAN or hyper-converged infrastructure via Dell EMC VxFlex integrated rack or VxFlex Ready Node. VxFlex OS is based on ScaleIO software.

service
An object in VxFlex Manager representing the infrastructure configured during a deployment that persists in VxFlex Manager as long as the infrastructure is required. A service is viewed and interacted with to perform compliance, health, and lifecycle management on the deployed infrastructure.

Secure Development Lifecycle (SDL)
Repeatable and measurable process that enables Dell EMC to meet customer expectations by:
- Ensuring that Dell EMC product engineering organizations optimally apply security controls during the product development lifecycle
- Providing product groups with the capability and the information needed to fully assume accountability for the security of the products they ship
- Assisting customers in understanding and assessing overall security posture of the product

Security and Compliance suite
Storage software suite available on specific Converged Systems that ensures that data is safe from changes, deletions, and malicious activity.

segregated network architecture
Segregates LAN and SAN connectivity into separate switches within a Converged System. LAN switching uses the Cisco Nexus switch and SAN switching uses the Cisco MDS switch. See also unified network architecture.

shared deployment
When deployed on a VxFlex integrated rack, all VxFlex OS components use a pair of shared NICs for front-end (application) and back-end (storage) traffic.

Shared Management Platform
A specialized configuration of a standard Converged System that is used as a single point of management for multiple Converged Systems.

Software Defined Storage
Computer data storage software created to manage policy-based provisioning and management of data storage independent of the underlying hardware which is storing the data.

storage layer
Layer in the Converged System that contains the storage components.

storage subsystem
Main component of a Converged System storage solution that stores all production data and the configuration database of the storage system. In a unified storage solution, X-Blades contain no hard drive and the backend storage provides disk space for the NAS code. The backend storage for a unified storage system must be a CLARiiON or VNX.

Support service descriptions
Customers can choose from the following service tiers:
- Core Support - A foundational, integrated level of support that is standard on all Converged Systems.
- Plus Support - An enhanced, higher-touch support option with proactive deliverables and capabilities across the Converged System installed base.
- Premier Support - A customer-centric, strategic support relationship for the installed base of Converged Systems.
**template**
An object in VxFlex Manager representing resource types and their required configuration and topology. A template specifies requirements for the deployment of a set of infrastructure resources through VxFlex Manager's built-in automation workflows.

**TDAT**
A storage pool type that indicates a data device.

**TDEV**
A storage pool type that indicates a thin device.

**top of rack switch**
A switch that handles data plane LAN traffic in a converged system. This is the switch that uplinks to the customer network if there are subordinate data plane switches in the solution.

**ToR switch**
See top of rack switch.

**two-layer deployment**
Compute and storage nodes remain separate operationally, creating a two-layer architecture. SDC to SDS have a dedicated pair of VLANs/NICs, and SDS to SDS have a dedicated pair of VLANs/NICs.
unified fabric
Consolidates different types of network traffic onto a single, general-purpose, high-performance, highly available network that simplifies the network infrastructure and reduces costs.

unified network architecture
Consolidates LAN and SAN switching onto a single network device in the Converged System, which eliminates the need for a Cisco MDS SAN switch. See segregated network architecture.
vArchitect
Dell EMC technical field sales resource who helps with positioning and closing opportunities involving Converged Systems.

Vblock Specialized Systems (VSS)
Designed for specific use cases to run select business services such as SAP HANA management applications.

Vblock System
Vblock Systems represent the next evolution of IT by delivering the extraordinary efficiency and business agility of virtualization and cloud computing. Vblock Systems seamlessly integrate best-in-class compute, network, and storage technologies. Vblock Systems provide dynamic pools of resources that can be intelligently provisioned and managed to address changing demands and business opportunities.

Vblock System 100
The Vblock System 100 has the capacity, workload, and storage to meet the needs of midsize data centers and distributed enterprise remote offices. The Vblock 100 has predefined fixed configurations.

Vscale Architecture
An architectural framework that provides a backplane for data center systems using a Vscale Fabric to connect modular components, such as Converged Systems and Vscale Fabric Technology Extensions, to resources.

Vscale Border Technology Connect
Provides external access to the Vscale Architecture as a specialized function within the Vscale Fabric.

Vscale Fabric
Contains the Vscale LAN and SAN Fabrics that connect modular components to resources. Vscale Fabric incorporates a scalable spine/leaf LAN architecture with optional software-defined networking (SDN), and an access/core architecture for the SAN.

Vscale Fabric Technology Extensions
Modular containers that provide connectivity for compute, storage, and data protection resources. Other resources attached to the Vscale Fabric can consume those resources.

Vscale Management Platform
A scalable platform used to host element managers for Converged Systems for all infrastructure components in the data center. The platform can be extended to support ecosystem management workloads, and other management applications.

Vscale Open Technology Connect
Contains third-party, non-Dell EMC resources that are provided to the Vscale Architecture.

VSM
Virtual Supervisor Module installed on the Advanced Management Platform (AMP) and part of the Cisco Nexus 1000V Switches.

vSpecialist
Dell EMC technical field sales resource who helps with positioning and closing opportunities involving VMware and Converged Systems. The vArchitects and vSpecialists work closely together to support Converged Systems deals.

VSS
See Vblock Specialized Systems.
**VxBlock Central**

VxBlock Central Base provides you with the VxBlock Central end user interface to manage and monitor Converged Systems.

**VxBlock Central Operations**

An application that provides access to VxBlock Central Operations capabilities to monitor the health status and metrics of supported Converged Systems with VMware vRealize Operations (vROPs) Manager.

**VxBlock Central Orchestration Services**

Provides a health status of critical back-end services used by VxBlock Central Orchestration Workflows, manages credentials and firmware, configures the network, and collects log files.

**VxBlock Central Orchestration Workflows**

Allows you to access the Dell EMC Library of workflows in VMware vRealize Orchestrator, which automates compute, storage, and networking tasks.

**VxBlock Central Workflow Automation**

Provides automation and orchestration for daily provisioning tasks through integration with VMware vRealize Orchestrator (vRO). Workflow Automation provides the following features:

- VxBlock Central Orchestration Services
- VxBlock Central Orchestration Workflows

**VxBlock Systems**

VxBlock Systems offer increased flexibility for converged infrastructure systems, including the choice of VMware VDS and VMware NSX virtualization. VxBlock Systems are engineered to exacting specifications for the highest levels of availability, performance, and operational efficiency.

**VxBlock and Vblock Systems 200 series**

Provides the capacity, workload, and storage to meet the needs of midsize data centers and distributed enterprise remote offices. The VxBlock and Vblock 200 series have predefined, variable configurations.

**VxBlock and Vblock Systems 300 series**

VxBlock and Vblock Systems 300 series enable enterprises and service providers to support many VMs, users, and applications and provide:

- Greater scalability and performance to support large enterprise deployments of mission-critical applications, cloud services, VDI, mixed workloads, and application development and testing
- More configuration choices
- Two times the performance and scalability compared to prior generations
- Flexible storage options
- Denser compute
- Higher availability
- Support for a virtualization platform that accelerates time-to-service and reduces operations costs

**VxBlock and Vblock Systems 500 series**

Modular platforms with defined scalability points that meet the higher performance and availability requirements of enterprise business-critical applications.

**VxBlock and Vblock Systems 700 series**

The VxBlock and Vblock Systems 700 series are for enterprises and service providers that have demanding IT environments with workloads and SLAs that run thousands of virtual machines and virtual desktops. The VxBlock and Vblock Systems 700 series are modular, providing several configurations based on workloads, including:
- Business-critical enterprise resource planning (ERP)
- Customer relationship management (CRM)
- Database, messaging, and collaboration services

The VxBlock and Vblock Systems 700 series provide:
- Best director-class fabric switch
- Advanced fabric-based blade servers
- Trusted, flexible storage platform options
- Two times the performance and scalability compared to prior generations
- Denser compute
- Higher availability
- Support for a virtualization platform that accelerates time-to-service and reduces operations costs

**VxBlock System 1000**
A flexible, scalable, and expandable Converged System. The VxBlock System 1000 can mix and pool different types of storage, Cisco UCS Blade and Rack servers, and Integrated Data Protection options. VxBlock 1000 supports a centralized multisystem management platform (AMP-VX) for up to eight VxBlock Systems.

**VxFlex integrated rack**
A hyperconverged rack-scale engineered system with integrated networking that enables you to deliver predictable performance, scalability, and agility requirements of a modern data center.

**VxFlex integrated systems**
Refers to VxFlex integrated rack and VxFlex appliance.

**VxFlex Manager**
IT operations management software that automates and simplifies implementation, expansion, and lifecycle management for VxFlex integrated systems. VxFlex Manager brings together multiple management consoles, workflow automation

**VxFlex node**
VxFlex integrated rack includes compute-only nodes, storage-only nodes, hyperconverged nodes, a controller node, and VMware NSX-T Edge nodes.

**VxFlex OS**
A software-only solution that uses existing servers' local drives and LAN to create a virtual SAN that has all the benefits of external storage. VxFlex OS uses the existing local storage devices and turns them into shared block storage.

**VxFlex OS gateway**
A scale-out block storage service that enables you to create a scale-out server SAN or hyperconverged infrastructure through VxFlex appliance, VxFlex integrated rack, or VxFlex Ready Nodes.

**VxRail Appliance**
A hyper-converged infrastructure appliance that runs on VMware HyperConverged Software (VMware HCS). Each VxRail Appliance supports four vSphere nodes and offers the power of a whole SAN in two RUs.
Z

zone

A collection of pooled Converged Systems.