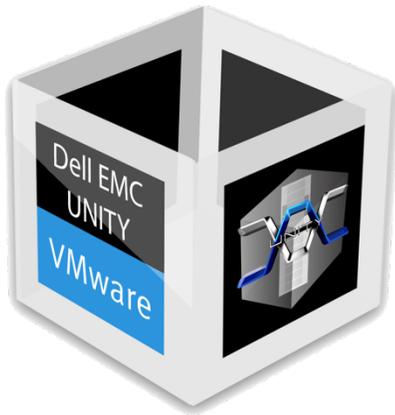


DELL EMC UNITY VSA

Our Virtual Storage Appliance is Software-Defined and Costs Nothing to Try

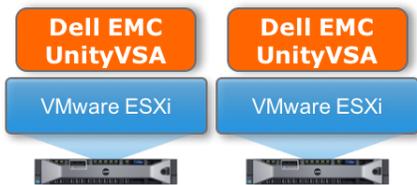


The Dell EMC UnityVSA™ (Virtual Storage Appliance) enables all of the enterprise capabilities of the Dell EMC Unity family to be easily deployed on a VMware ESXi server, enabling customers to implement an affordable software-defined solution. Best of all, you can get a Community Edition license for up to 4TB of capacity – for free!

Benefits of this approach are a low acquisition cost option for hardware consolidation, multi-tenant storage instances, remote/branch office storage environment and easier to build/maintain/destroy environment for staging and testing.

With all-inclusive software, the Dell EMC UnityVSA allows you to:

- Set up for NAS or SAN in just a few minutes with Unisphere
- Allow VMware admins to manage storage from vCenter™
- Protect data locally with unified point-in-time snapshots
- Replicate data remotely to other instances of the VSA or to Dell EMC Unity purpose-built storage arrays
- Optimize performance, efficiency, and simplify storage management with automated-tiering through EMC Fully-Automated Storage Tiering Virtual Pools (FAST VP)
- Administrate the storage array using the same HTML-5 based Unisphere as purpose-built storage arrays.
- Provide advanced file services to block storage for your customers
- Test out next-generation capabilities like VMware Vvols.



SPECIFICATIONS

System Requirements

Physical Server Requirements:

- Processor: Xeon E5 Series Dual Core CPU 64-bit x86 Intel 2GHz+ (SSE4.2 or greater)
- Memory: 16GB (ESXi 5.5), 18GB (ESXi 6.0), or 20 GB (ESXi 6.5)
- RAID Controller: 512MB NV cache and battery backed (recommended)
- Network: 1GbE or 10GbE
- Drive Types: Agnostic

Virtual Requirements:

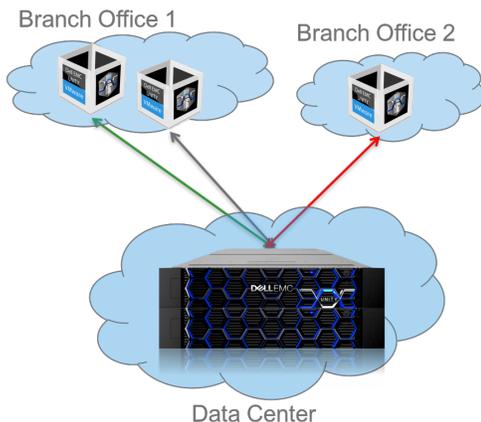
- Storage Processors: 1
- CPUs: 2
- Memory : 12 GB
- Network (Mgmt): 1 x 1GbE or 10GbE
- Network (Data): 4 x 1GbE or 10GbE

SYSTEM LIMITS AND SUPPORT

- Maximum Usable Capacity: 50TB
- Supported Pool LUNs: 64
- Maximum LUN Size: 16TB
- Maximum vDisks: 16
- Maximum File System Size: 50TB
- Maximum NAS Servers 16
- Maximum File Systems: 32

SOFTWARE

Dell EMC UnityVSA Base Software Package is all-inclusive. The software package contains the standard integrated management and monitoring of all aspects of VSA including the Operating Environment, NAS and SAN protocols (as listed below), Unisphere Management with integrated support, FAST VP Auto-Tiering, thin provisioning, Unified Snapshots for NAS and SAN, and Unified Replication for NAS and SAN. Also included is the 64-bit file system with file system shrink functionality for space reclamation, VMDK cloning, multi-protocol support, and quotas.



Dell EMC UnityVSA offers this software in two versions:

- Professional Edition – with yearly subscription via a purchased license. The Professional Edition is available for purchase in 3 different supported options: 10TB, 25TB, and 50TB versions. It is a seamless upgrade from a low capacity point to a higher capacity point. The subscription includes:
 - Software and systems related support
 - EMC Enhanced Services
 - EMC Secure Remote Support (ESRS)
- Community Edition – up to 4TBs, no cost software downloadable at <http://www.emc.com/products-solutions/trial-software-download/unity-vsa.htm>

CONNECTIVITY

Dell EMC UnityVSA provides flexible NAS or SAN connectivity options through Ethernet and supports a wide range of protocols including SMB (SMB1, SMB2, and SMB3), NFSv3, NFSv4, NFSv4.1, FTP, SFTP and iSCSI.

PROTOCOLS SUPPORTED

- SMB (SMB1, SMB2, and SMB3), NFSv3, NFSv4, NFSv4.1, FTP, SFTP, iSCSI
- Network Lock Manager (NLM) v3, v4
- Routing Information Protocol (RIP) v1-v2
- Simple Network Management Protocol (SNMP)
- Network Data Management Protocol (NDMP) v1-v4
- Address Resolution Protocol (ARP)
- Internet Control Message Protocol (ICMP)
- Simple Network Time Protocol (SNTP)
- Lightweight Directory Access Protocol (LDAP)

CLIENT OPERATING SYSTEM SUPPORT

- Apple MAC O/S 10.8 or greater
- HP-UX
- IBM AIX
- IBM VIOS 2.2, 2.3
- Microsoft Windows Server 2008, Windows Server 2008 R2+, Windows Server 2012, Windows Server 2012 R2 (base interoperability only)
- Microsoft Windows 7, Microsoft Windows 8, Vista
- Novell SUSE Enterprise Linux
- Oracle Linux
- RedHat Enterprise Linux
- Solaris 10 x86, Solaris SPARC
- Solaris 11 and 11.1 supported, SPARC & x86
- VMware ESXi 5.x, 6.x

CLIENT CONNECTIVITY FACILITIES

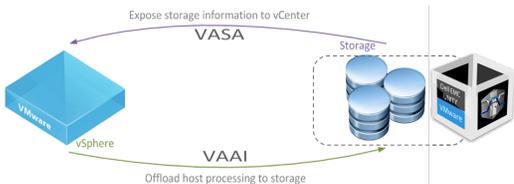
- File access by NFS, SMB protocols
- Block access by iSCSI
- Link Aggregation (IEEE 802.3ad) – File access only
- Virtual LAN (IEEE 802.1q)
- Network Status Monitor (NSM) v1
- Portmapper v2
- Network Information Service (NIS) client
- Supports Microsoft DFS as Leaf node or Root Server
- LDAP signing for Windows
- Access Base Enumeration (ABE) for SMB protocol access

VMWARE INTEGRATION

VVols support for VM-granular data services and Storage Policy Based Management (SPBM).

VMware vStorage APIs for Storage Integration (VAAI) for File and Block, improves performance by leveraging more efficient, array-based operations.

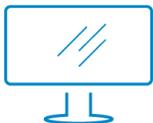
vStorage APIs for Storage Awareness (VASA) provides storage awareness for VMware administrators.



SUPPORT

Support for the Community Edition is provided via the Dell EMC UnityVSA Community webpage which can be found on <http://www.emc.com/products-solutions/trial-software-download/unity-vsa.htm>

The Professional Edition comes with Dell EMC Enhanced Services



[Learn more](#) about Dell EMC Unity solutions



[Contact](#) a Dell EMC Expert