

DELL EMC UNITYVSA

An agile software-defined virtual storage appliance that costs nothing to

Dell EMC UnityVSA™ (Virtual Storage Appliance) enables all the enterprise capabilities of the Dell EMC Unity XT storage arrays to be easily deployed on a VMware ESXi server, enabling customers to implement an affordable high availability software-defined storage solution on-prem. Best of all, you can get a no cost Community Edition license for up to 4TB of capacity – to use in Test/Dev environments.

UnityVSA software-defined storage brings several benefits to your organization including low acquisition cost when considering hardware consolidation, multi-tenant storage instances, remote/branch office storage deployment and easier to build/maintain/destroy environment for staging and testing.



UnityVSA software-defined storage on VMware

With much of the same all-inclusive software as the physical arrays, UnityVSA allows you to:

- Provide advanced file, block and vVOL data services for your customers
- Set up for high availability NAS or SAN on-prem in just a few minutes
- Allow VMware admins to manage storage from vCenter™
- Protect data locally with unified point-in-time snapshots
- Replicate data remotely to other instances of UnityVSA or to Unity XT storage arrays
- Optimize performance, efficiency, and simplify storage management with automated tiering through Fully Automated Storage Tiering Virtual Pools (FAST VP)
- Administrate the virtual appliance using the same HTML-5 based Unisphere as with Unity XT storage arrays.
- Connect UnityVSA with modern dev/ops, storage and workflow automation and much more using our no cost plug-in technology:
 - Container Storage Interface (CSI) plug-in
 - VMware vRealize Operations (vRO) plug-in
 - Ansible plug-in
 - Puppet plug-in

Licensing

The UnityVSA software package contains the standard integrated management and monitoring of all aspects of UnityVSA including the Operating Environment, NAS and SAN protocols, Unisphere management, FAST VP Auto-Tiering, thin provisioning and unified snapshots/replication for NAS and SAN. Also included is the Unity XT 64-bit file system with file system shrink functionality for space reclamation, VMDK cloning, metrosync manager and quotas.

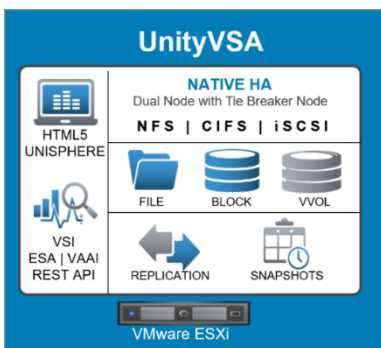
Professional Edition – available as a yearly license subscription

- **350TB:** 2C vCPU, 12GB Memory, Dual-Node
- **350TB:** 12C vCPU, 96GB Memory, Dual-Node
- **50TB:** 2C, vCPU, 12GB Memory, Dual-Node
- **50TB:** 2C vCPU, 12GB Memory, Single-Node

Subscription licensing is a seamless upgrade from a low capacity point to a higher capacity point and includes:

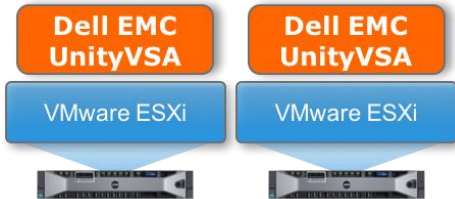
- Software and systems related support
- Dell Enhanced Services
- Dell Secure Remote Support (SRS)

Community Edition – a no-cost, community supported software license for up to 4TBs downloadable at: <http://www.emc.com/products-solutions/trial-software-download/unity-vsa.htm>



Virtual machine specifications

- 2-core single-SP deployment requirements:
 - Virtual memory: 12GB
 - Virtual processor cores: 2 (2GHz+)
 - Virtual network adapters: 6 (4 adaptors for I/O, 1 for management, 1 for system use)
 - Community and Professional Edition licenses
- 2-core Dual-SP deployment requirements:
 - Virtual Memory per SP: 12GB
 - Virtual processor cores per SP: 2 (2GHz+)
 - Virtual network adapters: 9 (4 adaptors for I/O, 1 for management, 1 for system use, 3 for internal communication)
 - VLANs: 3 (used for heartbeat and internal communication)
 - Professional Edition license only
- 12-core Dual-SP deployment requirements:
 - Virtual Memory per SP: 96GB
 - Virtual processor cores per SP: 12 (2GHz+)
 - Virtual network adapters: 9 (4 adaptors for I/O, 1 for management, 1 for system use, 3 for internal communication)
 - VLANs: 3 (used for heartbeat and internal communication)
 - Professional Edition license only

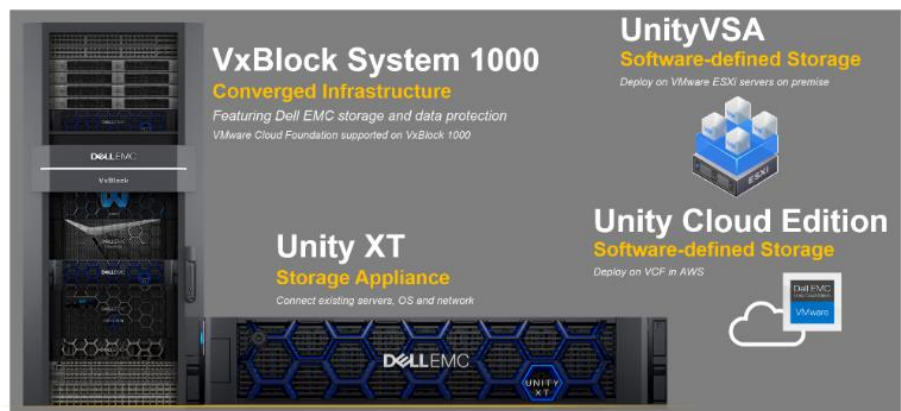


VMware integration support

- VVols support for VM-granular data services and Storage Policy Based Management (SPBM).
- VMware vStorage APIs for Storage Integration (VAAI) for File and Block, improving performance by leveraging more efficient, array-based operations.
- vStorage APIs for Storage Awareness (VASA) provides storage awareness for VMware administrators.

Services and Support

- Support for **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-vs-a.htm>
- Support for **Professional Edition** is provided via standard Dell Technologies Support options



Unity XT flexible deployment options

No Compromise Midrange Storage Built for a Multi-Cloud World

www.delltechnologies.com/unity



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[Contact](#) a Dell Technologies Expert