

Dell Unity Cloud Edition

Deploying unified storage on VMware Cloud in AWS

SAN and NAS in AWS Clouds with HA

- File shares (NFS), iSCSI storage and home directories for virtual servers and desktops (guest OS access)
- Natively replicate to the cloud from on premise storage
- Dual node licenses for high availability

Deliver Enterprise File Services Across Hybrid Cloud Deployments

- Snapshots, Replication
- Quotas, Metrosync
- Tiering, and more

Lower TCO with:

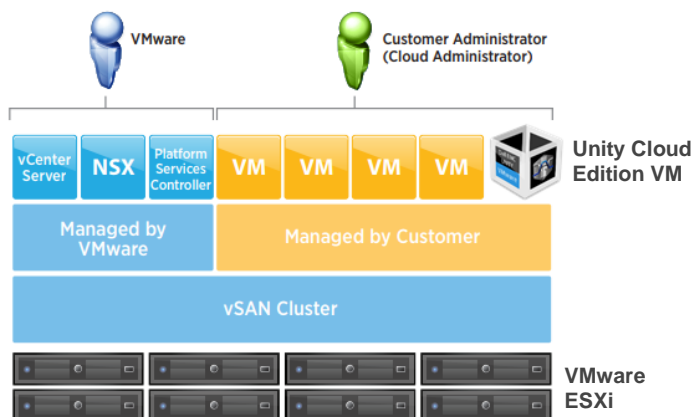
- Elastic compute scaling for dynamic workloads
- Intelligent policy-based tiering of files to select public and private clouds
- On-demand infrastructure managed by VMware
- Same management as Unity XT physical appliance

Provide Cloud-based Disaster Recovery

- Rapid setup and failover
- Simplified disaster recovery testing
- Seamless management

As customers select a cloud operating model to support their applications, they look for the elasticity and scalability of public clouds and enterprise file capabilities and data services. Customers are also looking to leverage the cloud for cloud synch and disaster recovery operations as well as workload migrations and analytics. And, as value, cost, simplicity and footprint become increasingly important attributes at the Edge, Unity Cloud Edition can be an ideal solution.

Dell Unity Cloud Edition enables all the enterprise capabilities of the Dell Unity XT family to address these requirements supported on a VMware ESXi server with VMware Cloud SDDC (Software-Defined Data Center) for deployment in AWS clouds. This enables you to implement an affordable, effective and familiar HA software-defined storage solution in the cloud. Unity Cloud Edition uniquely provides native file services over NFS and SMB and enables Cloud Synch Disaster Recovery between on premises-deployed Unity XT physical systems and VMware cloud-based Unity XT virtual appliances.



Enterprise File Capabilities in the Cloud

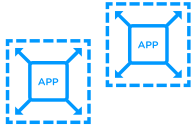
Unity Cloud Edition includes the 256TB scale-up file system with file system shrink and comprehensive file capabilities of the Unity XT family within your VMware Cloud SDDC. Enterprise capabilities such as Metrosync, correlated file statistics, inline data reduction, independent VMDK clones, IP multi-tenancy, unified snapshots and replication, in-memory log replay for fast non-disruptive failovers, quotas and file tiering to the cloud are delivered with the same Unisphere management experience as the physical array. With Unity Cloud Edition, file services are consumed within each customer SDDC so there is no need for an external file appliance or file service. Unity XT customers can leverage Unity Cloud Edition as part of their Hybrid Cloud strategy using the flexibility of VMware Cloud and ESXi.

Cloud Services and Disaster Recovery



File Shares for VDI Users

By leveraging the enterprise file capabilities of Unity Cloud Edition, organizations deploying virtual desktops with VMware Horizon can easily provide multi-protocol home directories for their users. Unity XT's enterprise file features include automated share creation, snapshots and replication and self-service restore capability, as well as quotas, Metrosync and integrated antivirus scanning.



Test and Development

Unity Cloud Edition enables the agile deployment of Test and Development environments. Test/Dev workloads can be spun up quickly in the cloud leveraging replicated application instances managed by Unity Cloud Edition.



Cloud-based Disaster Recovery

Unity Cloud Edition deployed in VMware Cloud allows enterprises to protect all their applications with a flexible approach that simplifies Disaster Recovery. Applications can be deployed quickly during Test or Recovery operations without the need for dedicated infrastructure that is not used during normal business operations.

Software Licensing

The Unity Cloud Edition software package contains integrated management and monitoring capabilities of all aspects of Unity Cloud Edition 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.

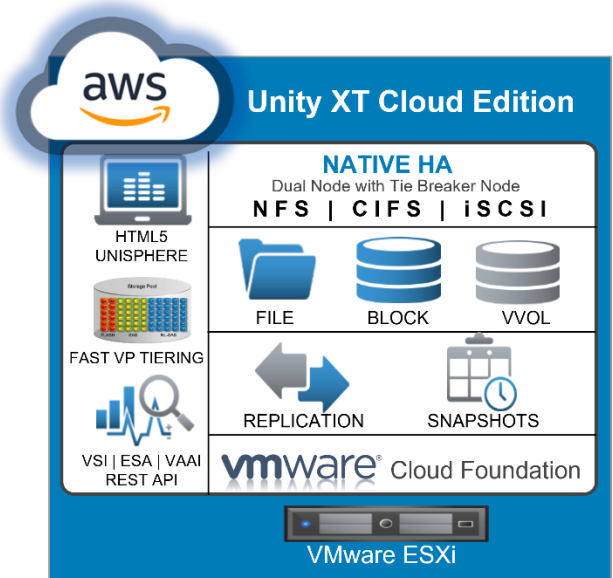
- Professional Edition** – available with yearly subscription via a purchased license.
 - 350TB: 2C vCPU, 12GB Memory, Dual-Node
 - 350TB: 12C vCPU, 96GB Memory, Dual-Node
 - 50TB: 2C, vCPU, 12GB Memory, Dual-Node
 - 50TB: 2C vCPU, 12GB Memory, Single-NodeSubscription licensing is a seamless upgrade 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** – provides a no-cost, community supported software license for up to 4TBs intended for test/dev environments

Cloud Edition Specifications

Infrastructure requirements

- Hypervisor: VMware ESXi 6.5+ with each Unity Cloud Edition VM on a separate ESXi host
- Dual-SP deployment requires vCenter 6.5+
- Hardware Memory for 2-core deployment: 36GB per ESXi host
- Hardware Memory for 12-core deployment: 120GB per ESXi host
- Hardware network: 3 x 10GbE
- Hardware RAID: 512MB NV cache RAID card, battery backed recommended
- VMware datastores: NFS and VMFS supported

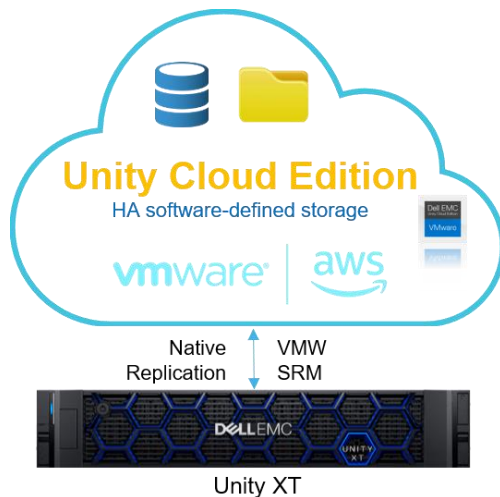




Virtual machine requirements

- 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 Cloud in AWS

VMware Cloud on AWS, a Cloud Edition requisite, is an on-demand service that enables you to run applications across vSphere-based cloud environments with access to a broad range of AWS services. Powered by VMware Cloud Foundation, this service integrates vSphere, vSAN and NSX along with VMware vCenter management, and is optimized to run on dedicated, elastic, bare-metal AWS infrastructure. With VMware Hybrid Cloud Extension, customers can easily and rapidly perform large-scale bi-directional migrations between on-premises and VMware Cloud on AWS environments.



COMMUNITY EDITION ¹	PROFESSIONAL EDITION
	
4TB CAPACITY LIMIT	<ul style="list-style-type: none"> • 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
COMMUNITY SUPPORT	FULL DELL SUPPORT
FREE DOWNLOAD	SUBSCRIPTION LICENSES
DEPLOYMENT USE CASES	
Test / Dev environments <ul style="list-style-type: none"> • Uses the same Unity XT management GUI Unisphere • Easily migrates to Professional Edition 	Production environment <ul style="list-style-type: none"> • SMB, remote office, workgroup, department • Retail Education Healthcare Cloud Government More

Software-defined Storage for the Cloud

dell.com/unityxt



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