Dell EMC Unity XT metro node

Synchronous active-active replication over metro distance

ESSENTIALS

✓ Achieve continuous availability and zero RTO and RPO with no performance impact and automatic site failover through true active-active metro synchronous replication

✓ Enable non-disruptive data mobility for agile storage management within and across datacenters

✓ Refresh storage technology without application downtime

Benefits to you

- Seamless integration with Unity XT

- 30-minute simple installation

- Built-in management server

- Metro node is delivered as a 2U cluster

- High performance with 32 Gb/s Fibre Channel

- Ansible module to fully support enterprise infrastructure automation

- Automatically initiate an instant site failover through virtual machine (VM) witness technology
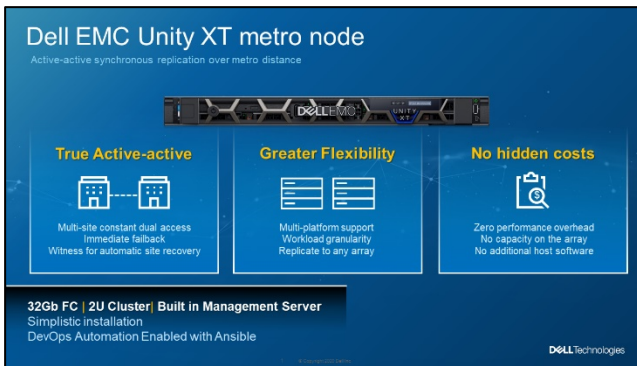
Dell EMC Unity XT Architecture

Dell EMC Unity XT All-Flash and Hybrid Flash arrays set new standards for storage with compelling simplicity, all-inclusive software, blazing speed, optimized efficiency, multi-cloud enablement – all in a modern NVMe-ready design – to meet the needs of resource-constrained IT professionals in large or small companies. Designed for performance, optimized for efficiency and built for hybrid cloud environments, these systems are the perfect fit for supporting demanding virtualized applications, deploying unified storage and addressing Remote-Office-Branch-Office requirements.

Unity XT also delivers true metro active-active capabilities with zero performance impact on the storage controllers or data path with Unity XT metro node. Metro configurations are the next step in a truly disaster resilient architecture, enabling business continuity – without intervention.

Dell EMC Unity XT Metro Node Overview

Enable automated business continuity with zero RPO and RTO with Unity XT metro node. True active-active synchronous replication over metro distances with multi-site dual access gives organizations full confidence that their data will always be available and accessible and there is no time associated with recovery. Metro node provides greater flexibility through multi-platform support, workload granularity and replication to any array. There is zero performance overhead, no duplicate capacity on the array and no additional software required on the host. The VM witness technology provides the ability to automatically initiate an instant site failover. Metro node supports local configurations for continuous application availability, data mobility to non-disruptively relocate workloads and enables storage technology refresh without application downtime.
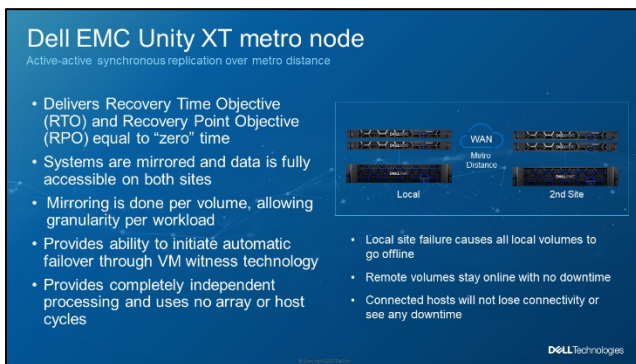
Unity XT Metro Node Differentiators

- **Zero RPO and RTO -** Metro node is an active-active solution, which means it actively mirrors data across metro distance. Metro node provides a Recovery Point Objective (RPO) equal to zero, meaning there will be zero data loss. Metro node also provides a zero Recovery Time Objective (RTO), which means the time to recover is zero time or immediately.

- **Automatic Site Failover -** The witness virtual machine helps mitigate a site failure.

- **Active-Active Metro –** Metro node provides optimized data access from both sites for increased performance.

- **Avoid Degradation to Array Performance -** Metro node replication is built-in to the appliance without any array overhead increases.

- **No Additional Host Software -** Metro node is self-contained and does not require any software be deployed on the hosts or a host reboot.

- **Multi-Platform Support -** Metro node enables replication between different Dell EMC arrays.

- **Volume/LUN Level Granularity -** Metro node allows the replication of specific LUNs for application level granularity, significantly reducing TCO and improving flexibility by giving customers the choice of which workloads to replicate.

- **Non-disruptive Addition of Consistency Groups -** Metro node supports consistency group add/delete operations without disruption and provides operational flexibility with zero downtime.

Modernize Now with Metro Node

Building on the proven Unity XT storage array – designed for performance, optimized for efficiency and built for multi-cloud – Unity XT metro node provides confidence that application data will be there when needed. Fuel innovation with "always available" data, brought to you by metro node from Dell Technologies.
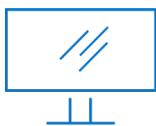
Learn More about Dell EMC Unity XT metro node solutions

Contact a Dell Technologies Expert

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