Dell EMC PowerStore metro node

Active-active synchronous replication over metro distance

DELL Technologies

Metro Replication for Continuous Availability

Continuous dual site access

PowerStore metro node

Active-active synchronous replication over metro distance

True Active-active

Multi-site constant dual access
Immediate failback
Witness for automatic site recovery

Greater Flexibility

Multi-platform support
Workload granularity
Replicate to any array

No hidden costs

Zero performance overhead
No capacity on the array
No additional host software

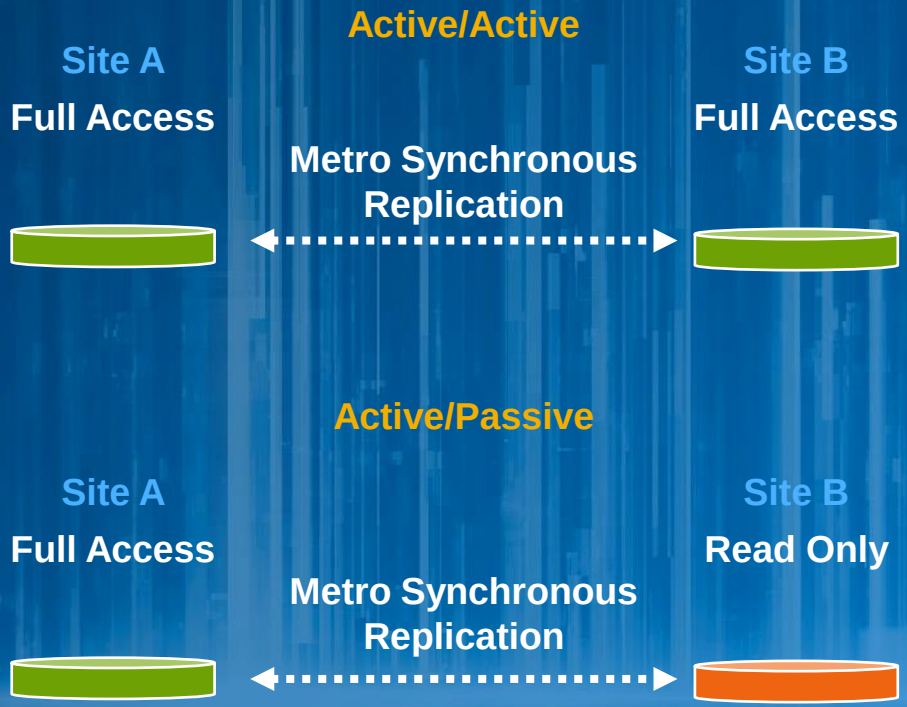
32Gb FC | 2U Cluster| Built in Management Server

Simplistic installation

DevOps Automation Enabled with Ansible

Active/Active v. Active/Passive

Not all Metro solutions are equal



* Unless hosts are cross-connected to arrays

Active/Active setup

- Constant dual site access
- Both sites are available at the same time
- Delivers RTO and RPO of zero time

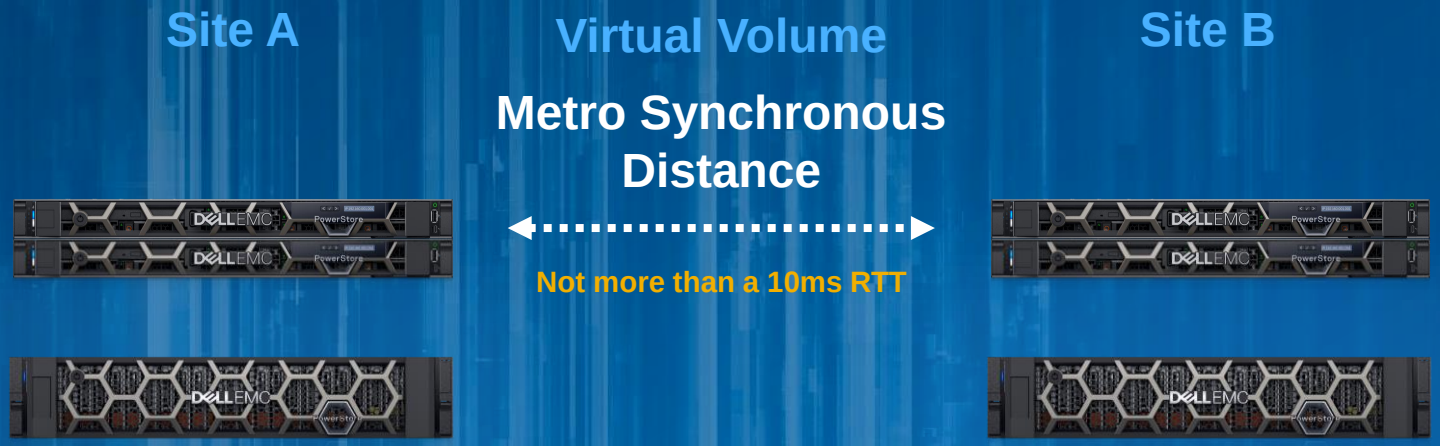
Active/Passive setup

- Only one site is accessible at any given time*
- RTO > zero time

Metro node delivers continuous availability

Active/Active Technology

Constant Dual Site Access over Sync Distance with metro node



"We have our live data protected and being written and replicated between two arrays in two different sites. It's Realtime—sub five milliseconds across the two sites."

Steward Health

Metro node cluster witness

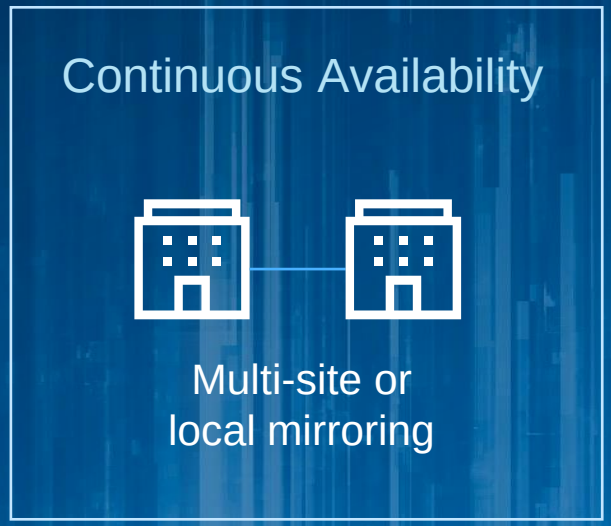
Provides a heartbeat between sites

Initiates an Intelligent Response to a Site Failure

Witness is installed as a VM in a separate failure domain
If a cluster loses contact or if one fails rules determine which cluster continues operations automatically

Determining tolerance for Business Continuity plans

Metro node delivers zero RTO and RPO and automated failover with witness



Ensures business stay up with zero RTO and RPO

Recovery Time Objective (RTO)

How long you want it to take to recover from a failure?

Recovery Point Objective (RPO)

How far back in time will you tolerate after a failure?

Decision Time Objective (DTO)

How much time is needed to make the decision to failover?

Replication methods

PowerStore provides metro synchronous replication with metro node

Asynchronous	Data sent periodically Recovery is point in time	RPO > 0 RTO > 0
Synchronous	Both systems fully mirrored Recovery not immediate	RPO = 0 RTO > 0
Metro Synchronous	Both systems are fully mirrored Data accessible on both sides	RPO = 0 RTO = 0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