



High Availability/Disaster Recovery Infrastructure for Distributed Environments

Recover retail data quickly to keep your operations running, streamline disaster recovery, and safeguard business continuity.

Today's retailers and enterprises are highly distributed and complex, with workloads across data centers, clouds, and edges. Mission-critical workloads need to be assured reliability to prevent downtime and business disruption. This includes transaction and data protection for retailers and enterprises.

As infrastructure evolves, so too must HA/DR capability to protect these critical systems. Denali Advanced Integration provides the expertise, technology, and guidance to ensure highly available infrastructure with integrated backup and disaster recovery for protection against downtime caused by system faults, data and media errors, site errors, periodic maintenance, and upgrades.

We create HA/DR infrastructure frameworks for critical services and prioritized applications. Our integrated HA/DR approach fully safeguards systems and closes gaps that can put operations at risk.

Expertise to Mitigate Infrastructure Downtime or Failure



Identify and prioritize apps and services to meet SLOs



Safeguard Tier 1 production apps across edges, data centers, and clouds



Protect e-commerce and supply chains with best-in-class continuity



Migrate apps to HA nodes, HA data centers, or colocation facilities



Align compute and storage availability with RTO and RPO goals

Denali HA/DR Framework Services

- HA/DR strategy/system-level planning
- Expertise and evaluation for HA framework build-outs
- Capacity/redundancy planning
- Technology procurement/deployment
- Network design for multisite data centers
- Hybrid cloud, server, and storage sizing

Enterprise-Class Resiliency and Recovery for:

- Digital Systems
- Servers
- Storage
- Networks
- Applications
- Virtualization
- Cloud

End-to-End HA/DR Service and Support

Assess

Identify

Recommend

Design

Deploy

Test

Monitor

Best-in-Class Technology for Guaranteed Business Continuity

We partner with Dell Technologies for infrastructure hardware purpose-built for performance and recovery. Rely on our experts to build a HA/DR framework to protect retail and enterprise operations.

Dell EMC Data Domain Appliance

Scalable, high-speed, cloud-enabled storage for retail operations backup, archiving, and disaster recovery. Ideal for remote DR through system and storage replication with 3X faster restore performance.¹

- Up to 68 TB/hour throughput
- Reduce bandwidth requirements by up to 98%
- Deduplication to reduce storage requirements by 55x
- In-line write/read verification, continuous fault detection

Dell EMC PowerEdge Compute

High-density rack servers for virtualized and cloud-native operations. The Dell EMC PowerEdge XR12 is a MIL-STD and NEBS-compliant 2U expandable server for telecommunications, military, retail, remote office, back office, and restaurant environments.²

- Certified rugged for dust, extreme temperatures, shock, and vibration
- MIL-STD, NEBS, and Marine compliant
- Up to 36 x86 cores to boost services at the edge
- Secured component verification and silicon root of trust

Dell EMC PowerMax Storage

Robust architecture to consolidate demanding mixed workloads with built-in machine learning, seamless cloud mobility, and VMware integration. Throughput up to 15M IOPS ensures low latency in transaction processing, electronic trading, real-time analytics, high-performance databases, and big data workloads.³

- Six-nines availability and gold-standard replication for BC/DR
- Mission-critical availability for VMware Virtual Volumes
- End-to-end NVMe technology
- SRDF/Metro active/active replication with Smart DR data resiliency

About Denali

Denali Advanced Integration, a Dell Technologies Titanium Partner, delivers exceptional technology solutions and services powered by strategic experts and industry-leading partners to help guide our clients through the most complex IT challenges. Since 1992, Denali has been among the most trusted and prominent technology providers in North America.

Call 425.885.4000 to learn more about HA/DR infrastructure frameworks.

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¹ Dell EMC, Dell EMC Data Domain Operating System, 2018

² Dell Technologies, Dell EMC PowerEdge XR12, May 2021

³ Dell Technologies, Dell EMC PowerMax, 2021