Dell EMC PowerStore

Positionierung und Use Cases





Dell Technologies introduces PowerStore

Data-centric

Intelligent

Adaptable

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Designed for the data era

PowerStore

Designed for the data era



Data-centric

Intelligent

Adaptable



Any Workload



Performance Optimized



Efficiency Without Compromise



Programmable Infrastructure



Autonomous Appliance



Proactive Health Analytics



Flexible **Architecture**



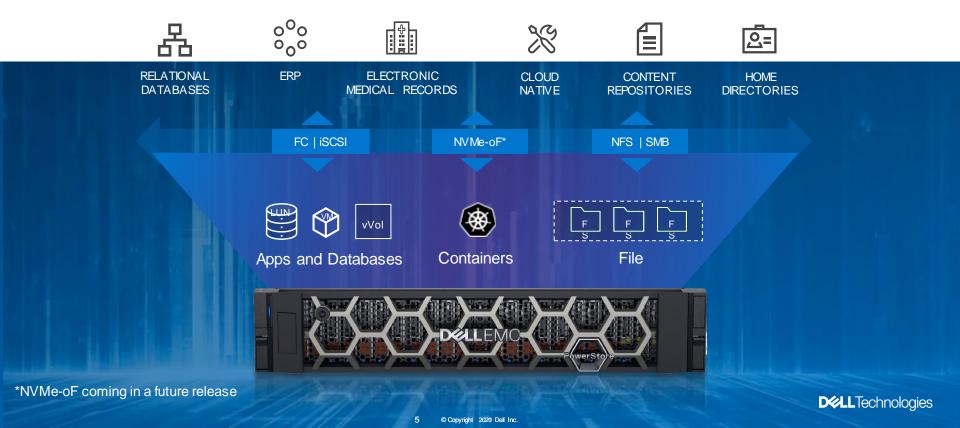
Flexible **Deployment**



Flexible Consumption

Any workload

Traditional and modern workloads

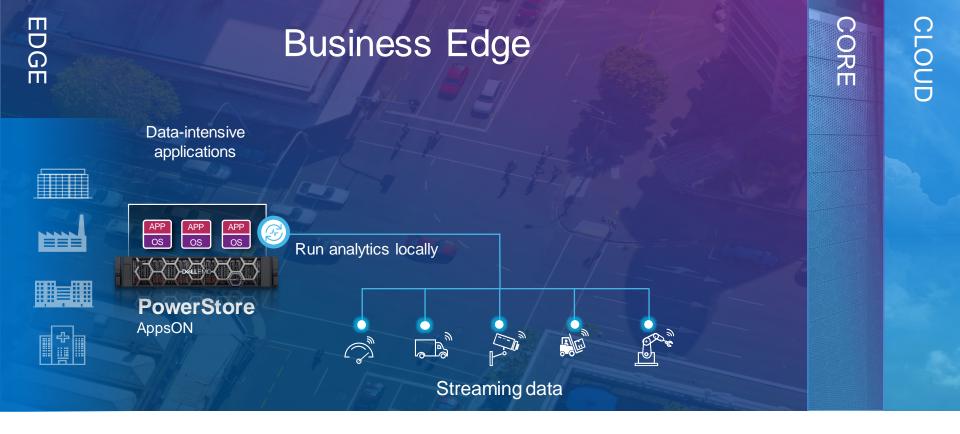


EDGE – CORE - CLOUD

Small footprint, easy to deploy

Optimized for data retention and flexibility

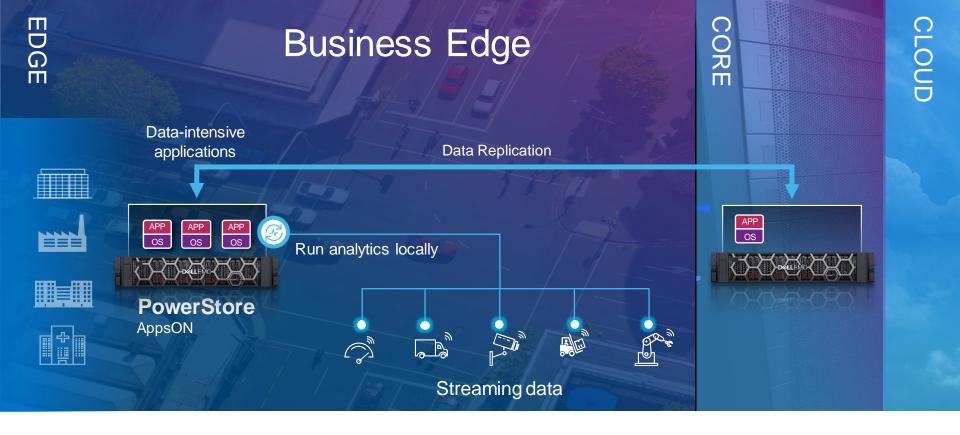
Data can be replicated to core data center



Small footprint, easy to deploy

Optimized for data retention and flexibility

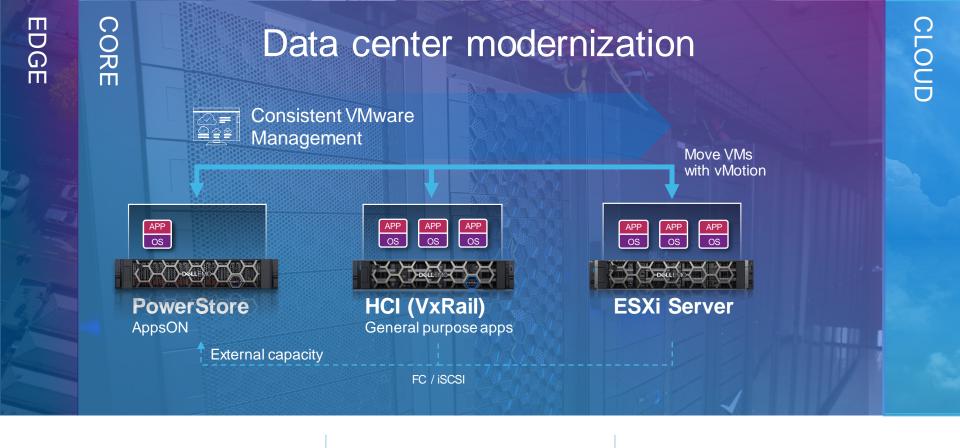
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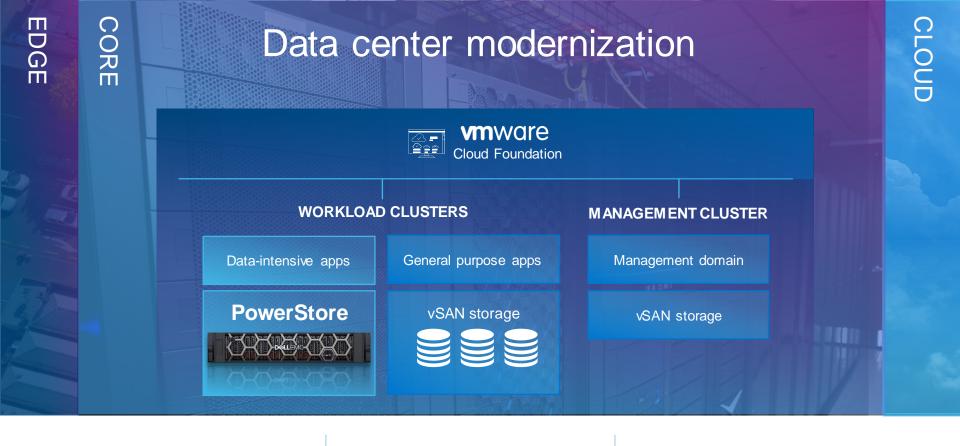
Data can be replicated to core data center



Utilizes existing infrastructure investments

Complements other platforms, including HCI

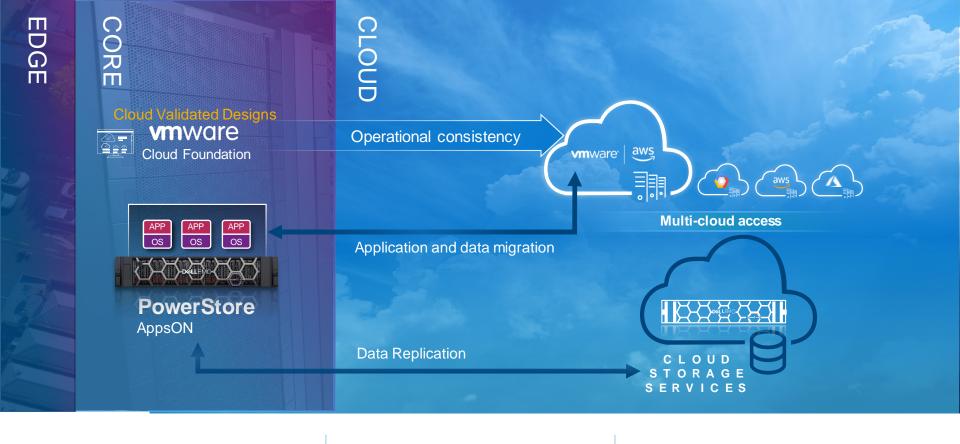
Migrate external apps to PowerStore in mins



Provides external storage for VCF workload domains

Ideal for data-intensive applications

Offers complementary data services



Seamless application mobility with VCF

Multi-cloud for workload migration, analytics, test/dev

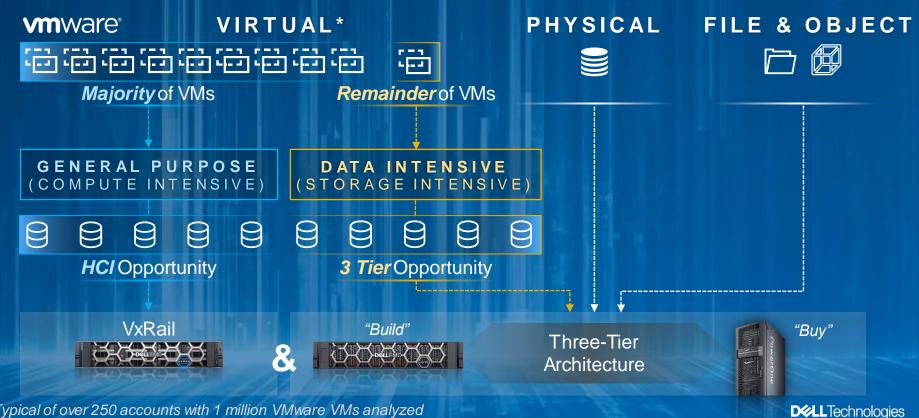
Scalable, resilient cloudattached storage

VMware and HCI Positioning

Workload diversity



All environments have mix of workloads driving diverse infrastructure requirements



VMware integration

Enabling consistent operations



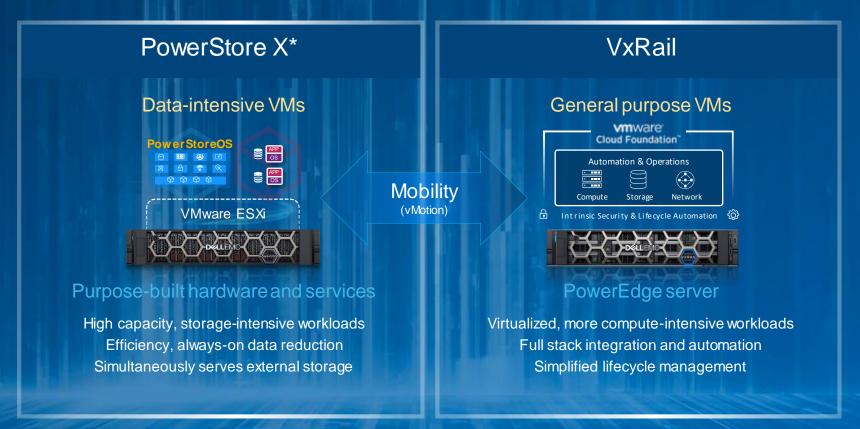


VMware Integration points:

- ESXi (VAAI & VASA)
- vVols
- vRO/vRA
- VMware Cloud Foundation

The only purpose-built array with a built-in VMware ESXi hypervisor

PowerStore and VxRail – complementary architectures



*With AppsON capabilities

Workloads and Solutions

Workload Characteristics in the Data Era

Powerful high value workload requirements for optimizing business

Data-centric

Data availability from edge to cloud with no restrictions

Intelligent

Faster insight with modern autonomous operations

Adaptable

Easily managed operations and data security











PowerStore: Microsoft SQL Server Workloads



- Consolidate all server versions and entire MS data estate
- Data-centric Eliminate ETL processes with Big Data Clusters
 - 4:1 Data reduction guarantee

Intelligent

- Automate deployments of Microsoft SQL Server 2019
- Intelligent data placement to improve utilization
- Health monitoring, insights, and analytics

- Adaptable
- Right-size for initial deployment and easily scale
- Eliminate future data migrations with Anytime Upgrades
- Protect and repurpose Microsoft SQL Server with snapshots

PowerStore: VMware Workloads



PowerStore: Optimize Oracle



business outcomes with a

modern foundation

- All-Flash drives NVMe, Intel Optane SCM, or Hybrid
- Data-centric · Consolidate versions with low latency and high bandwidth
 - Agile scale UP, OUT, or DOWN

Intelligent

- Cloud-enabled virtual infrastructure for laaS | DBaaS
- DBA Management for quickly making DB copies
- Self-encrypting and array-based self-managed keys

- Adaptable
- DB protection with Oracle DBA control
- DR & Business continuity for critical data
- Minimal space required for additional copies

PowerStore: Next-Generation Analytics



Optimize and simplify from the edge to the cloud

- Flexible scaling for mixed Analytic Workloads
- Data-centric NVMe SSD Intel Optane Storage Class Memory (SCM)
 - Performance for both development and deployment

- Intelligent
- Superior VMware vSphere integration

Unmatched agility with AppsON

Self-encrypting and array-based self-managed keys

- Adaptable
- PowerStoreOS microservices automation and management
- Deployment flexibility modernize the core, edge, and cloud
- Future-Proof with Anytime Upgrades



EDGE ←→ CORE ←→ CLOUD

