Solution Brief

Dell Technologies Cloud-enabled Infrastructure

Make the Cloud Work for Your Business and Your Data

Extend Your Data Center to the Cloud

- Easily enable key cloud uses including disaster recovery, test/dev, backup, archive, and analytics
- Flexible, multi-cloud support
- Seamless tiering from on-premises to the cloud
- Fast and simple deployment of software-defined infrastructure in the cloud
- Enterprise-grade data services and data protection in the cloud
- Cost-effective cloud consumption of best-of-breed infrastructure
- No additional data center to set up and manage, reducing costs and footprint
- Proactive, cloud-based monitoring and analytics
- Unified view of unstructured data from on-premises to the cloud

A Data First Approach in a Multi-cloud World

The cloud can be a powerful tool for optimizing business outcomes. Cloud adoption has never been higher and there is a growing prevalence of multi-cloud with 93% of organizations deploying workloads across two or more clouds[1]. But data centers are not going away either. In fact, 91% of cloud strategies include on-premises data centers[2]. This increasingly diverse landscape leads to operational complexity. Innovation must happen everywhere from private cloud to public cloud to the edge in this new age of data.

When considering cloud, it is important to think about how data is managed as it is becoming organizations' most valuable asset. A cloud strategy requires a data first approach that ensures data is secured, protected, available where and when you need it, delivered at the performance level required by applications and within compliance of company policies.

Dell Technologies Cloud-enabled Infrastructure offers a flexible path for organizations' multi-cloud journey by extending their existing tools and capabilities to their cloud(s) of choice enabling new cloud use cases. Dell EMC brings meaningful innovation in three key ways across its storage and data protection portfolio to help organizations modernize their infrastructure and make cloud work for their business needs: cloud connected systems, cloud data services, and cloud data insights.

Cloud Connected Systems

Starting at the core, in your data center, there has traditionally been a need to balance capacity with performance. But in this age of data, the limits of both are being pushed and the velocity of data growth is straining infrastructure. Dell EMC's cloud connected storage and data protection systems address rapid data growth and optimize data center resources with simple and efficient data mobility to and from public clouds. Seamless and transparent movement of data from on-premises to the cloud enables you to leverage public cloud as an economical storage tier, ideal for archiving and long-term retention.

[1] IDC White Paper, sponsored by Cisco, Adopting Multicloud — A Fact-Based Blueprint for Reducing Enterprise Business Risks, June 2018.

[2] ESG Research Hybrid Cloud Tipping Point, June, 2018

Cloud Data Services

Dell EMC's best-of-breed storage and data protection is available through a variety of data services with multi-cloud support, giving you the flexibility to choose the deployment option that best meets the business's needs and to leverage the right cloud for the right workload. Plus, on demand consumption in the cloud eliminates the need for a secondary data center to setup and manage leading to significant cost savings.

Organizations can implement simple and affordable software-defined infrastructure in the public cloud that delivers enterprise data services with no need for an external appliance. Leverage the agility of in-cloud deployment to support disaster recovery, in cloud backup, or as-needed operational demands with efficient and reliable Dell EMC storage and data protection in the cloud.

For agile, multi-cloud access, organizations also have the option to directly connect Dell EMC infrastructure, consumed as a service, to the public cloud or clouds of their choice. This provides persistent, cloud-attached storage that is scalable, highly available and has a flexible design to keep organizations in control of their data. Users can leverage multiple clouds simultaneously and switch between them without having to move data, which enables them to avoid cloud vendor lock-in and the risk and time required to move data. In VMware environments automated Disaster Recovery as a Service (DRaaS) can be deployed in VMware Cloud on AWS enabling seamless, cost-effective and enterprise-grade DR in the cloud.

Cloud Data Insights

As data continues to grow and become more distributed, spanning clouds, it becomes important to have the right tools to manage it all. Bridging across products and solutions that span from the core to the public cloud, Dell EMC offers tools to proactively monitor and manage both your data and your infrastructure wherever it lives and derive insights with intelligent cloud-based analytics. IT specialists are empowered with broad data center visibility to report, predict and prevent problems from anywhere with advanced analytics for capacity forecasting, performance impact analysis, and noisy neighbor detection. Organizations can also take control of massive amounts of unstructured data through the ability to tag, locate and manage data in seconds and leverage self-service capabilities to find, use and move files to the appropriate storage tier all through a single unified view.

Cloud Consumption

In addition to these areas of innovation, Dell Technologies offers Cloud Consumption models with Dell Financial Services, enabling organizations to streamline infrastructure acquisition with flexible payment solutions.