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APEX

Create a universal storage layer

Unleash your innovation with apps and data

Reduce complexity

By providing common software-defined storage services with complete protocol coverage in private and public cloud environments.

Increase efficiency

Dell software-defined storage is optimized for each location where it runs. Leverage committed cloud spend or choose flexible consumption for storage deployed on-premises, in a colocation facility, or at the edge.

Free your workloads

Common storage services and consistent application environments let you seamlessly move applications and data.

Eliminate silos

Centralized intelligent management and common storage controls streamline operations.
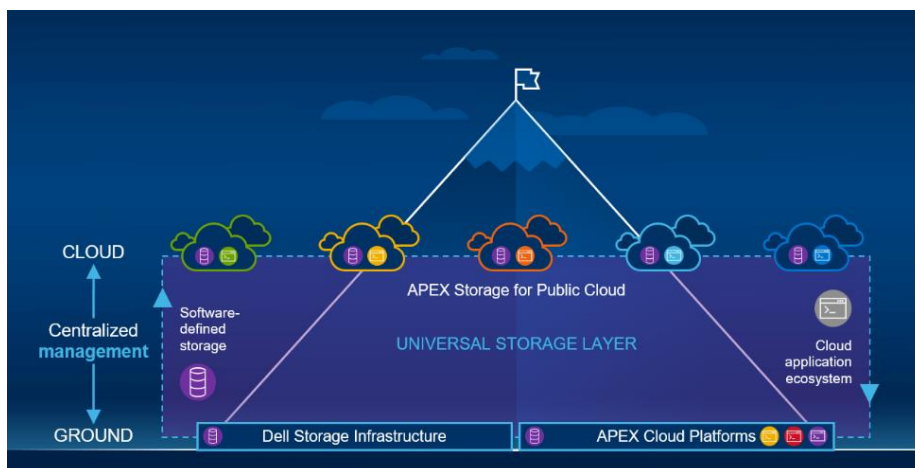
Raise service levels

Consistent policy controls and protection solutions across locations improve availability, continuity, and resiliency.

If applications are the engines of the digital economy, then data is the fuel for the engines. Applications and data are the workloads of enterprise Information Technology, and for many organizations they are distributed across public clouds, private clouds, and edge locations. They are run, processed, and stored in a multicloud world. Multicloud architectures help organizations get access to the right tools, manage their cost profiles, and quickly respond to changing needs. However, siloed operations with multiple management interfaces and unique services across different clouds can drive up costs, reduce agility, and increase risk.

Creating a universal storage layer

A universal storage layer is created when common software-defined storage services are deployed across all locations where your data lives and applications run. A universal storage layer is created with Dell enterprise storage on-premises, Dell APEX Storage for Public Cloud, and the integrated common software-defined storage (SDS) services in Dell APEX Cloud Platforms. Dell intelligent management with automation streamlines storage management and orchestrates data movement between locations where the common SDS Services are deployed. A universal storage layer is how you enable multicloud-by-design storage.

- **Simplicity** – Operational silos across multiple public cloud and private locations increase complexity, drive up storage and management costs. Reduce costs with streamlined management of multicloud storage services.

- **Agility** – Varying multicloud storage services and tools prevent agile workload placement slowing innovation and reducing flexibility. Enable IT agility with flexible infrastructure, ecosystem choice, and seamless data and application mobility.

- **Control** – Critical data assets spread across multicloud locations increase the chance for data loss and service disruptions. Enforce compliance and establish consistent service levels across multicloud locations.

Enterprise storage on-premises

Dell enterprise storage on-premises delivers the industry's best performance, scale, flexibility, and value. It is the basis for a universal storage layer in your private infrastructure. Dell storage solutions are software-defined and designed to be part of a multicloud storage architecture with multiple offerings that provide complete protocol coverage inlcuding block, file, object and protection storage. They have standardized, open APIs for management automation, and areavailable to be consumed as traditional CapEx transactions or with the option for as-a-Service consumption via Dell APEX Subscriptions.

Storage for public cloud

Dell APEX Storage for Public Cloud enriches public cloud with enterprise-class storage capabilities including high performance, massive scale, improved resilience, and superior cost profiles. These offers bring Dell's software-definedstorage to the public cloud as native cloud services, and they are designed to be used by any application running in the public cloud. The same code from Dell on-premises enterprise storage is the basis for Dell software-defined storage in the public cloud, providing the same industry-leading block, file, protection, and object storage in the public cloud of your choice. It is the basis for a universal storage layer.

Cloud application environments

It is not enough to just have the same storage solution deployed across multicloud locations, you also need the same application environment. Dell APEX Cloud Platforms bring native cloud application ecosystems on-premises in a turnkey package. Today we have ACPs for Red Hat OpenShift and Microsoft Azure.We also have VxRail for VMware and reference architectures for Amazon Outposts, Google Anthos, Azure Stack HCI and Nutanix. These solutions enable organizations to have the same, familiar application operating environment running on-premises and in a public cloud setting. This provides multiclolud application runtime environment that is consistent with public cloud platforms. Importantly these ecosystem on-premises are validated with our on-premises storage solutions providing the same storage capabilities AND the same application environment regardless of location.

Intelligent automated management

Management capabilities are accessed through a SaaS control plane, which utilizes a single sign-on experience and federated identity as the basis for a Zero Trust architecture. Dell APEX Navigator streamlines operations across public cloud and on-premises environments. It provides control of data movement and visibility into status and telemetry information as well as support for Kubernetes distributions. Standard open APIs allow for software control of the management capabilities including integrations with leading automation frameworks.

Conclusion

Unleash your innovation with consistent multicloud storage services everywhere. Connect apps and data in public cloud and private cloud locations in a seamless and efficient way. Streamline storage management to reduce storage costs with consistent storage management and centralized control. Drive innovation through IT agility with seamless workload mobility via common storage services and consistent application environments across your multicloud environments. Prevent data loss and disruption and improve service levels with pervasive data protection and consistent compliance frameworks. Create a universal storage layer by deploying Dell's industry-leading storage across your multicloud infrastructure.

Learn more about Dell APEX Storage for Public Cloud

Learn more about Dell APEX Cloud Platforms

Contact a Dell Technologies Expert

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