DELL Technologies

APEX

SOLUTION BRIEF

Dell APEX File Storage for Microsoft Azure

A high-performance, scalable storage solution purpose-built for AI

ESSENTIALS

Simplified journey to the cloud

- Seamless native replication with cluster-to-cluster SyncIQ
- Common OneFS enterprise features on-premises and in the cloud
- Consistent user experience with familiar web UI, CLI and APIs

Faster Business Outcomes

- Class-leading file performance
- Scale-out architecture to support up to 18 nodes and 5.6PiB in a single namespace
- Multi-protocol support
- Designed for hybrid cloud and cloud burst use cases
- Access to Azure native AI tools help accelerate demanding AI workloads

Cloud Model

- 1-and 3-year subscription terms
- Futureproof: Multicloud license flexibility
- Deploy on customer-managed Azure infrastructure
- Retire committed cloud spend
- Multiple levels performance and cost choices with Azure instance options

The Dell Difference

Compared to Azure NetApp Files, Dell APEX File Storage for Microsoft Azure enables:

- 6x greater cluster performance
- Up to 11x larger namespace
- 2x higher cluster resiliency

Data is the driving force behind innovation – powering demanding workloads like artificial intelligence and analytics that bring new use cases and applications to life. Businesses often turn to implementing a multicloud strategy when gearing up for more data growth and new workloads. But multicloud environments continue to have challenges. Management complexity of controlling data silos is a big obstacle and limited visibility makes it difficult to gain a holistic view of the entire data estate. Unpredictability of cloud costs and unplanned charges is another hindrance. IT skill gaps remain an issue since there are new tools and frameworks to master for each cloud environment. And finally, there is a lack of consistency across public clouds when it comes to security models.

Introducing Dell APEX File Storage for Azure, a software-defined cloud solution which brings the PowerScale OneFS software platform to the public cloud as a customer-managed offer. Dell APEX File Storage delivers enterprise-class data services and performance trusted in on-premises PowerScale appliances to Azure. Customers can leverage native cloud AI tools to arrive at insights faster. By adding Dell's leading scale-out file storage platform to the Dell APEX Storage for Public Cloud portfolio, customers can simplify their journey to the cloud with seamless data mobility and operational consistency between on-premises and the cloud.

Make the move to the cloud easier and less risky

It starts with a quick, risk-free, policy-driven migration of file data from the on-premises appliance to the cloud with SyncIQ native replication. Since the OneFS software platform is the same on-premises and in Azure, there is no need for any changes to the underlying storage architecture. Once in the cloud, IT teams use the familiar user-interface, command-line interface (CLI), API interfaces and identity management that they are already familiar with. Organizations can leverage their existing skillsets and avoid retraining, reducing the time spent managing data and infrastructure and lowering management complexity. Dell APEX File Storage for Azure, based on OneFS, is multicloud by design.

Leverage enterprise-class features and leading class performance

Organizations can use familiar OneFS data services and built-in security for their file data in the cloud. Enterprise-class features such as multi-protocol access (NFS, SMB, HDFS, S3), SyncIQ native replication, snapshots, QoS, CloudPools and data reduction technologies can enable IT to run their workloads in the same way as they do on-premises. Rich multi-protocol support makes it possible to access unstructured data in the same way as on-premises, which is critical in the cloud where applications may require simultaneous file and object access to the same dataset.

Power up your workloads

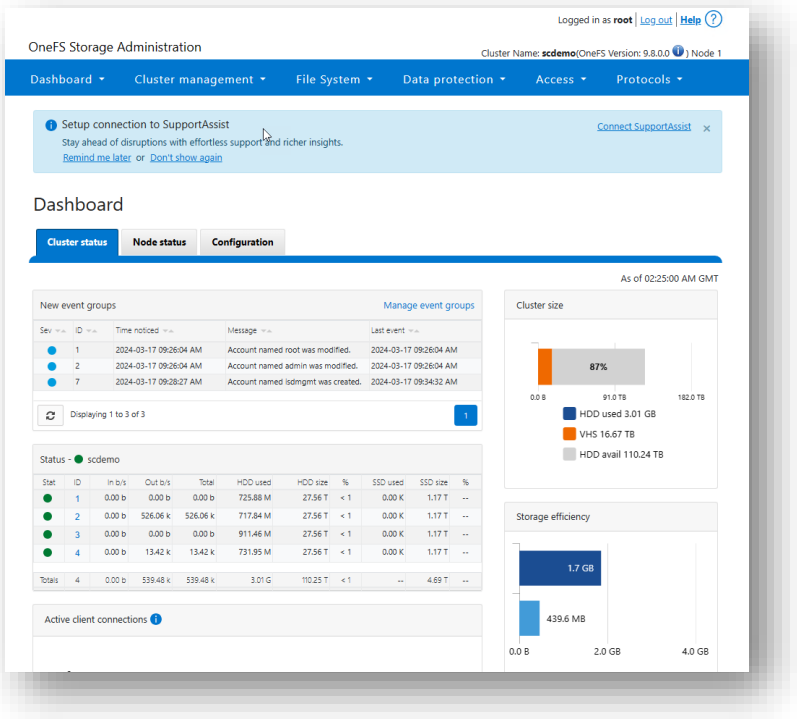
Dell APEX File Storage for Azure was designed with customer workloads in mind. It allows IT teams to scale capacity on-demand without disruption – leveraging a scale-out architecture designed to support up to 5.6 PiB of hot data per cluster and even greater performance with CloudPools tiering.

Dell APEX File Storage for Microsoft Azure delivers the most advanced file storage capabilities in Azure[1] that allows our customers to handle the most demanding workloads including AI:

- **AI and Analytics:** Facilitate AI and big data analytics with delivery of AI/ML services, linear scalability, high performance and large capacity across vertical industries such as Life Sciences, Healthcare, M&E, Financial, Manufacturing, EDA, etc.
- **Cloud burst:** Burst applications to the cloud to use Azure compute resources and point them to a familiar OneFS cluster. Bring data to the cloud via familiar replication tools, and optionally, bring the results or data back on-prem.
- **Disaster Recovery and ransomware protector copy:** Place a second copy of data on an OneFS file system to address regulatory, compliance, availability, and security needs, and have the same experience and data services in both places.
- **Data center to cloud migration:** Move file data from on-prem to run natively in the cloud; next decommission data centers for "cloud first" strategy. No changes to the storage architecture required and the experience is the same as on-premises.

The Unstructured Data Vision: Deploy the OneFS platform wherever data resides

Dell's objective is to give our customers flexibility and a range of choices when it comes to their data. With unstructured data solutions, organizations can store, protect and manage their file data consistently and safely across their environments – from on-premises appliances to Dell APEX Subscriptions, to multicloud and cloud adjacent colocation, and now in the public cloud with the software-defined offer. Leverage the proven OneFS platform to meet your business needs, wherever your unstructured data resides.



Watch this interactive demo to learn more about Dell APEX File Storage for Azure.

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Contact a Dell APEX Advisor