

Dell APEX Block Storage for AWS and Microsoft Azure

Raising the bar for cloud block storage

Control

- Run high-value workloads in the cloud with extreme performance and the ability to meet your SLAs
- Ensure service availability under failure conditions at drive, instance, availability zone or regional level
- Intelligently place data across availability zones using fault sets, providing resilience without replication or unneeded copies of your data
- Leverage native replication to move and protect your data anywhere and backup snapshots to object storage via Dell backup solution

Agility

- Flexible deployment options allow you to optimize performance and cost to meet your workload requirements
- Supports enterprise-class services like snapshots, thin provisioning, and replication
- Data mobility to help move data from ground to cloud as well as across regions for additional data protection
- Centralized management with CloudIQ and APEX Navigator for Multicloud Storage

Simplicity

- Easy to deploy, configure and manage your cloud block storage with APEX Navigator for Multicloud Storage
- Get better performance at a lower cost
- Central monitoring and management of cloud-based block storage

Challenges with Running Mission-critical Applications in Public Cloud

Migrating mission-critical applications to the public cloud has been a concern for many companies. They fear that they will be unable to meet the requirements for performance, response times and resilience needed to comply with their service level agreements. In addition, they are worried that limits on volume size, performance, and availability as well as unpredictable costs for storage resources will prevent them from meeting their SLAs.

Dell APEX Block Storage for AWS and Microsoft Azure

Dell APEX Block Storage helps solve challenges by offering a software-defined, scalable architecture with high performance and low latency. It provides enterprise-class resilience for critical cloud applications and is available on AWS and Microsoft Azure. APEX Block Storage uses Dell PowerFlex software so that customers can enjoy the same storage.



Extreme Performance and Scalability

The scale-out software architecture enables extreme performance by aggregating the storage across multiple instances in a cluster to deliver high performance with low latency. APEX Block storage can deliver unmatched performance by independently scaling compute up to 2048 instances or storage up to 512 instances within a single cluster..

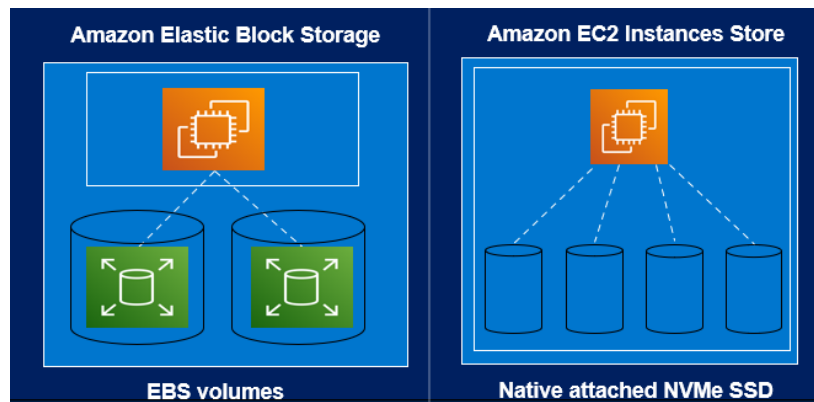
Rapid and Simple Deployment with Flexible Options

APEX Block Storage is deployed using an intelligent orchestrator that optimizes the instance types needed to support the capacity and performance requirements of your workloads. APEX Navigator for Multicloud Storage offers a simplified user experience to deploy and manage your APEX Block Storage solution. It rapidly installs the storage cluster and provides the management interface to monitor and maintain cloud block storage resources.

Flexible Deployment Options

APEX Block Storage supports two deployment options for optimizing cost and performance based on workload requirements.

- On AWS, APEX Block Storage can be deployed utilizing Elastic Block Storage (EBS) volumes for most workloads or on EC2 Instance Store for more performance optimized workloads.
- On Microsoft Azure, APEX Block Storage can be deployed on Managed Disks for most workloads or on virtual machines with native attached NVMe SSDs.



As an example, an Oracle database workload running on APEX Block Storage deployed on EC2 Instance Store can deliver up to 6x the TPM than the same workload deployment on EBS volumes. *

Seamless Data Mobility

APEX Block Storage enables the transfer of data between on-premises and cloud environments, as well as between different regions in the public cloud. It uses asynchronous replication and snapshots for data protection and mobility, providing fast data transfer and a backup copy for disaster recovery. APEX Block Storage snapshots can be backed-up to S3 and restored using APEX Protection storage for additional protection of mission critical applications and is recommended for deployments utilizing EC2 Instance Store.

Multi-Availability Zone Durability

APEX Block Storage has a unique ability to spread data across multi-availability zones, ensuring data access without having extra copies of data or needing to use replication across AZs. Leveraging the native fault sets feature, data is distributed across three or more availability zones to offer additional protection against AZ failure.

Well Suited for Challenging Workloads

APEX Block Storage provides proven enterprise data services, such as thin provisioning, snapshots, replication, volume migration, and backup/restore to S3, which are needed to run mission-critical workloads confidently on the public cloud. With its extreme performance and scalability, APEX Block Storage is well suited to support very large databases, analytics workloads, and multiple container (Kubernetes) development and production deployments.

And with the enterprise-class services and resilience provided in the cloud, APEX Block Storage for AWS and Microsoft Azure is the ideal solution to run your most challenging workloads in the public cloud with confidence that you can meet your SLAs.

More Information

For more details and pricing contact you Dell Sales team or email APEXBlockStorage@dell.com
To learn more about APEX Block Storage for AWS and Azure go to our [external Web Page](#)

* Based on Dell's internal testing of APEX Block Storage (Oracle DB deployed on EBS vs. EC2 Instance Store)



[Learn more](#) about Dell APEX Block Storage for AWS and Microsoft Azure



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