Dell APEX Block Storage for Public Cloud

Delivers the proven capabilities of on-premises block storage in the public cloud so you can run a wide range of block-based workloads without performance, scale, and resiliency limitations.

AVAILABLE FOR
- AWS
- Microsoft Azure

BENEFITS
- Improved TCO and cost optimization
  - Up to 87% Cost savings compared to native public cloud storage
- Extreme performance and linear scalability
  - Over 100X Better performance compared to native cloud block storage
- Seamless Data Mobility
  - Easily move data from ground to cloud and across regions for additional data protection
- Multi-AZ Durability
  - Efficiently place data across multiple availability zones without extra copies
- Efficient Consolidation
  - Unify disparate cloud resources and workloads onto a single platform

How APEX Block Storage for Public Cloud can support you

-Deploy various types of databases with extreme transactional performance, high availability, durability and consistency
-Facilitate big data analytics with optimized delivery of AI/ML services, with large volume capacity at low latency
-Support different stages of the software development lifecycle flexibly and securely
-Run virtualized workloads at peak performance with thin provisioning, high throughput and low latency
-Achieve the full performance and portability of containerized applications with seamless integration

Workloads
- DATABASES
- ANALYTICS
- DEV / TEST
- VIRTUALIZATION
- CONTAINERS

What makes APEX Block Storage for Public Cloud different

1. Enterprise Strategy Group, “Multi-cloud Application Deployment and Delivery Decision Making,” June 2023. Based on survey of 350 IT professionals responsible for evaluating, purchasing, and managing applications at large midmarket (500 to 999 employees) and enterprise (1,000+ employees) organizations in North America.
2. Based on internal Dell testing, October 2023.
4. Based on a Silverton Consulting white paper, sponsored by Dell Technologies, “Conceptual TCO: Dell APEX Block Storage for Public Cloud,” October 2023. Systems were configured to support IOPS performance of 7,740 KIOPS. The Dell solution assumes 4:1 thin provisioning vs thick provisioning for the competitive solution. Actual costs will vary depending on the provisioning factor used, region, data change/snapshot rates, capacity, type of storage and instances used, and other factors. Full report.
5. Based on Dell analysis comparing maximum IOPS published results, September 2023. APEX Block Storage for AWS maximum performance using a single AWS EC2 instance store (i3en.12xlarge), NVME attached storage, running 4KB IO size, 100% random read per SDS and assumes public cloud volumes consolidate performance of entire storage pool in a single volume. Actual results may vary.
6. Based on internal Dell testing, April 2023.