

Dell APEX Data Storage Services Block

Data-centric, intelligent and adaptable block storage

- Simplify block storage management
- Accommodate new or unpredictable workloads
- Add capacity seamlessly
- Safeguard your company and data
- Integrate with leading vendors
- Connect to customers, partners and ecosystems with no vendor lock-in

In today's data era, performance, scalability and efficiency are top priorities for leading companies. Building and maintaining IT Infrastructure to support dynamically changing workloads and requirements is a common and constant challenge for organizations. Optimizing expenditure, predicting usage and limited resources further adds to this complexity.

It's no wonder that the adoption of as-a-Service consumption is increasing among organizations looking for simplicity, agility and control. Gartner® predicts that by 2025, more than 70% of all enterprise-grade storage capacity will be sold on a consumption basis – up from less than 35% in 2021.¹

Dell Technologies has a proven track record for delivering powerful storage solutions backed by world-class support and services. With Dell APEX Data Storage Services Block, you get the best of both public and private cloud worlds: scalable, agile, on-demand resources with the enterprise-class features, control and security of infrastructure located on-premises in your own data center or in a Dell-managed interconnected colocation facility.²

Create your own on-Demand environment

Dell APEX Data Storage Services simplifies the process for purchasing, deploying and maintaining block storage. Your as-a-Service experience is managed through the simple, intuitive Dell APEX Console which allows you to:

- Select your management, location, base capacity, performance tier and term
- Monitor usage and forecast capacity planning
- Control user access and privileges
- Experience predictable and centralized cost management

 We're now relieved from the variability of our business and can scale up or down when we need. Dell handles all the work.

— Senior cloud solutions architect, telecommunications

With Dell APEX Data Storage Services, you are aligning expenses with actual versus anticipated usage, all at a single rate with no overage penalties for capacity utilization above your base commitment. You have the option to increase your base capacity at any time in order to accommodate growth. This means you have the flexibility to respond to changes in workload requirements on the fly.

Best-in-class Block storage technology

Dell APEX Data Storage Services Block is powered by infrastructure that provides ever-expanding levels of performance, capacity and resiliency for a variety of traditional and modern workloads. And now, with the flexibility to deploy your block storage through an as-a-Service model, you have more time to focus on agility, responsiveness and other high value initiatives while spending less time on maintenance and administrative tasks.

- **Simplified experience:** Simple configuration, monitoring and management from a single Console.
- **Support for all workloads:** Cost-effectively support any workload through improved system performance, scalability and storage efficiency.
- **Start small and grow:** Accommodate new or unpredictable workloads with the ability to scale capacity as needed.

- Enterprise data protection:** Reduce risk with highly resilient systems that offer seamless compatibility with proven enterprise-grade backup and disaster recovery solutions along with local and remote protection options.
- Robust security options:** Safeguard your company with Data at Rest Encryption (D@RE) via self-encrypting drives, role-based access control, authentication using LDAP/AD, TLS 1.2, IPv6 certification, TAA and VPAT compliance.
- Ecosystem integration:** Improve ease of use and seamlessly integrate with leading vendors like VMware and Microsoft.
- Multicloud flexibility:** Multicloud readiness in collaboration with data center colocation partners enables connectivity to the customers, partners and ecosystems that deliver the most value without any vendor lock-in.
- High availability:** Dell APEX Data Storage Services Block is designed for 99.9999% availability.³

Focus on outcomes, not infrastructure

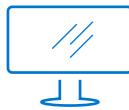
With Dell-managed APEX Data Storage Services Block, you utilize the capacity and maintain complete operational control of your workloads and applications while Dell Technologies owns and maintains the infrastructure, located on-premises or in a Dell-managed interconnected colocation facility.²

Alternatively, IT organizations seeking even more control over their as-a-Service experience may choose a Customer-managed Dell APEX Data Storage Services Block option, designed to empower you with responsibility for infrastructure design, configuration of volumes, and other administrative tasks. No matter which option you select, the result is a cloud-like experience with predictable, easy-to-understand pricing and no egress fees or latency issues. Now your IT staff can increase productivity and focus on high value initiatives to deliver customer satisfaction without worrying about day-to-day maintenance, forecasting, procurement, upgrades and capital budget constraints associated with tech refresh cycles.

Performance options for Dell APEX Data Storage Services Block:

Performance Tier	Capacity Optimized	Balanced	Performance Optimized
Description	Entry level capacity and complementing performance	Midline performance and capacity scalability	Highest performance at maximum capacity
Read Performance	50 MB/s per TB	80 MB/s per TB	100 MB/s per TB
Write Performance	8 MB/s per TB	12 MB/s per TB	20 MB/s per TB
IOPS	700 per TB	1,100 per TB	1,800 per TB
Min. Capacity	14.7 TiB	25.1 TiB	25.1 TiB
Target Use Cases	Smaller databases, test/dev, IoT applications, disaster recovery, commodity SQL, manufacturing execution systems	Medium-sized virtual environment, relational databases, data warehousing, SQL, Oracle, MongoDB	Financial services, Big Data and analytics, healthcare, SAP HANA, Splunk, Spark, Oracle and SQL (big instances)

Read and write maximum performance based on 256KB IO Size and 100% sequential read/write workloads using Fibre Channel connectivity in block optimized mode. IOPS maximum performance based on a 70/30 read and write workload with an 8KB block size using Fibre Channel connectivity in block optimized mode. Performance metrics are based on specific base capacity points. Higher performance could be achieved depending on subscribed capacity.



[Learn more](#) about Dell APEX Data Storage Services



[Contact](#) a Dell Technologies Expert

¹ Gartner, "2023 Planning Guide for Cloud, Data Center and Edge Infrastructure," October 2022.

² Dell-managed colocation deployment is not available with Customer-managed subscriptions. For regional availability of Dell-managed colocation deployment, visit www.Dell.com/Access-APEX

³ Based on hardware availability on common underlying block and file platform configurations. Actual hardware availability may vary.