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.

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.

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

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

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### Performance options for Dell APEX Data Storage Services Block:

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

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.

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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.