Dell APEX Protection Storage

All the power of PowerProtect Data Domain with the flexibility and value of Dell APEX

Why Dell APEX Protection Storage

Simple

- Configure and deploy in minutes
- Consistent user experience in-cloud and on-premises
- Replicate data between cloud and on-premises or between clouds
- Subscription licensing
- Single point of management with Dell PowerProtect DD Management Center

Secure

- Multiple layers of zero trust security
- Retention lock
- Data invulnerability architecture
- Encryption
- Role-based access control
- Multi-factor authentication
- All-Flash Cyber Recovery vault

Flexible

- Up to 256TB per instance in-cloud and up to 96TB per instance on-premises
- Scale in 1TB increments
- Deploy in-cloud to AWS, AWS GovCloud, Azure, Azure Government Cloud, Google Cloud, Alibaba Cloud, and VMware Cloud
- Deploy on-premises using Dell or commodity hardware
- Multi-tenancy support

Efficient

- Industry leading deduplication
- Available in public cloud marketplaces
- Apply custom configuration templates
- Integrated with Dell APEX AIOps

Software-defined protection storage for in-cloud and on-premises environments

Dell APEX Protection Storage delivers simple, secure, flexible and efficient data protection for in-cloud and on-premises workloads—in a software-defined virtual appliance form factor. Based on PowerProtect Data Domain, the #1 purpose-built backup appliance[1], you get industry leading deduplication, scalability, reliability, performance and unparalleled data integrity to help ensure reliable recovery—all while supporting a broad ecosystem of backup and archive applications.

Deploy Dell APEX Protection Storage in public cloud to protect your cloud native workloads, and on-premises to cost-effectively protect on-site applications. Support use cases such as ROBO and disaster recovery by replicating between any combination of physical and software-defined Data Domain appliances. Additionally, you can manage and monitor all instances from a single interface with Dell PowerProtect DD Management Center (DDMC).
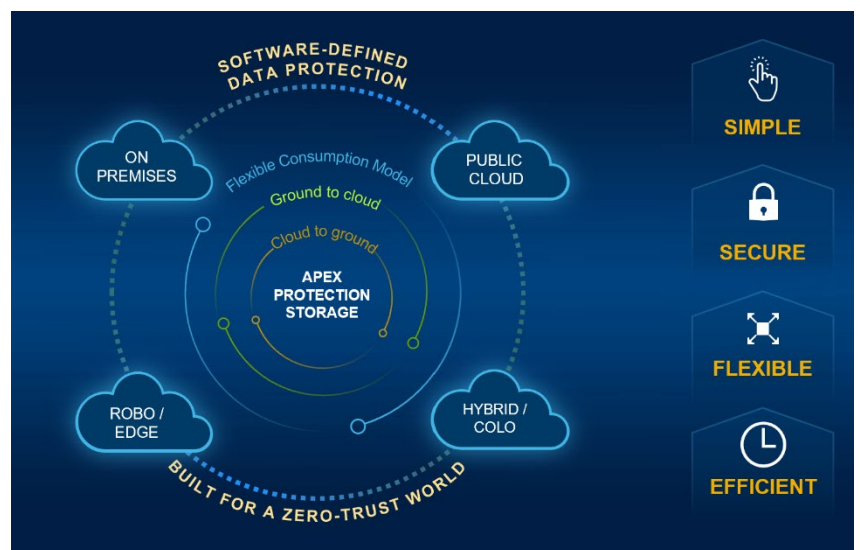
APEX Protection Storage in-cloud and on-premises

Confidently protect your data in the public cloud

IT organizations everywhere face increasingly complex siloed multicloud ecosystems with pressure to move more quickly and improve efficiency in the face of skill gaps and economic headwinds. APEX Protection Storage addresses these challenges through a multicloud by design approach that optimizes public cloud operations and brings the agility of the cloud operation model to any IT environment, offering greater control over applications and data.

APEX Protection Storage in-cloud delivers trusted software-defined data protection storage in the public cloud for a broad ecosystem of backup and archive applications.

Protect your data and applications running in public clouds with robust, enterprise-level backup and replication capabilities. Data can be replicated between cloud and on-premises data protection appliances or between multiple instances of APEX Protection Storage running in the cloud. This allows multiple APEX Protection Storage instances to be running in other regions, enabling you to create and retain consistent copies of backed up data.

Enable cloud scale growth and security

Simple and quick to deploy directly from cloud marketplaces, APEX Protection Storage provides up to 256TB per instance and offers the same experience in-cloud and on-premises. You can distribute and scale this capacity in multiple instances as needed across the environment for additional levels of protection.

APEX Protection Storage delivers massive data protection efficiency with industry leading deduplication, compression and encryption, which enable rapid and secure data transfers. APEX Protection Storage provides automated, policy-based, network-efficient, and encrypted replication for disaster recovery and multi-site backup and archive consolidation.

Maintain control and ensure data immutability with Retention Lock Governance mode in all supported cloud environments and where an even greater level of protection is required, you can choose Retention Lock Compliance in AWS, Google and Azure environments.

Dell APEX Protection Storage for public cloud

Take full advantage of cloud efficiencies

Easily download APEX Protection Storage from public cloud marketplaces to protect applications running in any supported cloud environment, including AWS, Microsoft Azure, Google Cloud, AWS GovCloud, Microsoft Azure Government Cloud, Alibaba Cloud, and VMware Cloud.

Efficient utilization of cloud storage

APEX Protection Storage increases transactional and operational efficiencies and provides significant cost savings by providing the ability to write data or backup into cloud object storage directly.

Industry-leading cloud data protection

APEX Protection Storage delivers the benefits of industry-leading protection storage with the agility, flexibility, and efficiency of a software-defined solution. Use APEX Protection Storage for cloud native data protection, and backup to and from the cloud.

Protect your on-premises data with flexibility and agility

APEX Protection Storage for on-premises scales up to 96TB per instance and you can pay as you grow in as little as 1TB increments. Deploy as many instances as needed in your environment. Additionally, APEX Protection Storage for on-premises can be deployed on any commodity server or high-performance Dell server thus giving you maximum flexibility and cost savings.

Data protection for virtualized environments

APEX Protection Storage for on-premises can provide data protection to multiple virtual server environments based on VMware ESXi, VMware vSphere, Microsoft Hyper-V, and KVM. APEX Protection Storage can protect data, backup and restore between virtual machines on the same server

and across multiple servers.

Remote office / back office (ROBO) environments

Many enterprises that have geographically distributed remote offices face the challenge of managing, monitoring, and protecting data across those environments. Data Domain physical appliances working in parallel with APEX Protection Storage can help meet these data protection challenges.

With a Data Domain appliance at the main data center and an APEX Protection Storage appliance at each branch office, you get the assurance that your data at these branch offices is protected. The entire data protection environment can be managed centrally with DDMC. If a branch office experiences a failure or must shut down, you have the peace of mind that the protected data is not lost.

APEX Protection Storage is hardware-agnostic

APEX Protection Storage for on-premises can run on any commodity server as well as high performance servers such as Dell PowerEdge and converged platforms such as:

- **APEX Protection Storage on PowerEdge Server**
  APEX Protection Storage for on-premises is delivered in pre-tested configurations for ROBO environments thereby making it fast and simple to deploy.

- **APEX Protection Storage on VxRail**
  APEX Protection Storage offers the simplicity and flexibility to protect, backup, and restore data in converged environments. You can get end-to-end data protection with the deployment of APEX Protection Storage for on-premises along with Data Protection Suite for VMware on Dell VxRail platforms.

Dell APEX Protection Storage All-Flash for cyber recovery

While critical data continues to grow, the ability to recover from a cyber event swiftly and efficiently is paramount for ensuring business continuity and cyber resilience. Organizations that are expanding the management of critical data must excel in retrieving their data from isolated recovery environments, such as the Cyber Recovery vault. Dell APEX Protection Storage All-Flash offers a streamlined, energy-efficient, and cost-effective cyber recovery solution that features enhanced CyberSense analytics and rapid restoration capabilities to meet organization SLAs. By utilizing less hardware, space and energy, organizations can enhance data access speeds, boost operational efficiency, and ensure data integrity, ultimately leading to reduced downtime and overall maintenance costs.

[1]Based on revenue from the IDC 1Q24 Purpose-Built Backup Appliance (PBBA) Tracker

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