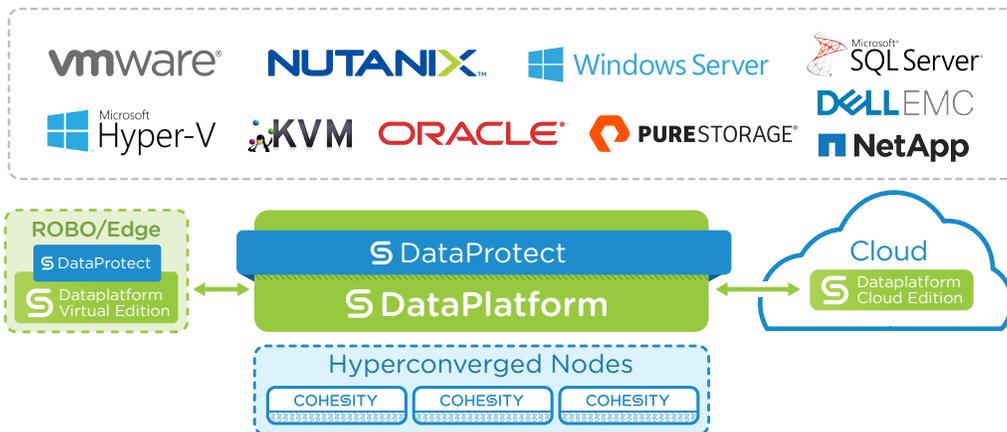


Cohesity DataProtect

Simplify your end-to-end data protection

What is Cohesity DataProtect?

Cohesity DataProtect is an end-to-end data protection solution that is fully converged on Cohesity DataPlatform. DataProtect simplifies your data protection environment with a single unified solution for backup, recovery, replication, disaster recovery, target storage, and multicloud integration. Data Protect provides sub-5 minute RPOs, instantaneous recoveries, and can reduce the cost of data protection by 50% or more. DataProtect provides consistent, managed backups for VMware vSphere, Microsoft Hyper-V, Nutanix AHV, KVM, Microsoft Windows Server, Linux, Microsoft SQL Server, Oracle RMAN, Pure Storage FlashArray, and NAS (Pure Storage FlashBlade, NetApp, Isilon, and any generic NAS).



Cohesity DataProtect and Cohesity DataPlatform

Key features



1. **Integrated backup and recovery solution:** Simplify your data protection infrastructure with an end-to-end backup and recovery solution that is fully converged on Cohesity DataPlatform. Eliminate the need for separate backup software, proxy servers, media servers, replication, disaster recovery and target storage.



2. **Recovery Points of minutes - not hours:** Reduce your Recovery Points to 15 minutes or less by leveraging the high ingest throughput of Cohesity DataPlatform combined with SnapTree for unlimited snapshots and clones.



3. **Instantaneous Recovery Times:** Recover applications instantly by creating a clone of the backup VM and running that clone directly from the Cohesity platform. If needed, the clone can be moved back to primary storage using Storage vMotion.



4. **Short backup windows:** Minimize your backup windows by parallelizing backup jobs on the scale-out nodes of the Cohesity Data Platform.



Simple data protection

Converge backup software, replication, and target storage in one integrated solution



Fast RPOs and RTOs

Sub-5 minute RPOs and instantaneous RTOs



Broad application support

Supports all the leading hypervisors, physical Windows and Linux, SQL Server, Oracle RMAN, Pure Storage and NAS



5. **Supports all the leading hypervisors:** Backup VMs running on all the leading hypervisors, including VMware vSphere, Microsoft Hyper-V, Nutanix AHV, and KVM. Management integration enables Cohesity to have a full view of VMs running on the hypervisor. DataProtect uses hypervisor-specific APIs (eg VMware VADP, Microsoft RCT) to perform changed-block tracking and app-consistent backups.



6. **App-consistent backups for common OS and databases:** Perform application-consistent backups with application adapters for physical Windows, Linux, and Microsoft SQL Server (with support for Windows failover clustering and SQL AAG). Provision test/dev copies of SQL Server by automating clone and copy attach of SQL databases to any SQL Server. Provides fully managed Oracle RMAN-based data protection with source-side dedupe, support for Oracle RAC and ASM, and log backups for any-point-in-time recovery.



7. **Native protection of storage devices:** Integrate with Pure Storage FlashArray to automatically tier snapshots from Pure Storage down to Cohesity. Protect Pure Storage FlashBlade, Netapp, and Dell EMC Isilon with volume snapshots, or any generic NAS by mounting the live volume. Parallel tracking of changed data and multi-stream data transfers provide high-performance backups.



8. **Policy-based management:** Create policies that specify your application SLA requirements including RPO, retention policies, off-site replication and cloud archival. Assign policies to VMs based on application SLA requirements.



9. **Instant file-level search:** Instantly find your virtual machine and file data with Google-like wild-card search on Virtual Machines and individual files to accelerate recovery times.



10. **VM, file and object-level recovery:** Recover individual VMs, restore files to source VMs, and recover individual application objects for Exchange, SQL, and SharePoint.



11. **Remote replication for disaster recovery and migrations:** Protect your data off-site and enable disaster recovery / migrations to remote sites, with built-in remote replication. Leverage flexible replication topologies including site-to-site, one-to-many sites, cascaded, and to the cloud.



12. **CloudTier:** Leverage compelling cloud economics with native cloud integration for data tiering. Choose your preferred provider with support for Google Cloud Storage Nearline, Microsoft Azure, and Amazon S3.



13. **CloudArchive:** Replace tape archive and off-site data protection with long-term archival to all the leading cloud providers including Google Cloud Storage, Microsoft Azure, Amazon S3 and Glacier.



14. **CloudReplicate:** Replicate data to a Cohesity Cloud Edition cluster running in the public cloud. Enable cloud data mobility for disaster recovery, test/dev, and analytics.



15. **Tape archival:** Support integrated tape-out for long-term data archival.



16. **Software-based encryption of data at-rest and in-flight:** Encrypt data on Cohesity with software-based encryption using the AES-256 standard, with optional FIPS certification. Data is encrypted at-rest on the platform, and in-flight when replicated or archived to the cloud. Keys are automatically rotated and managed either by an external key management system or by the Cohesity cluster.



17. **Role-Based Access Control:** Integrate with Windows AD to support role-based permissions. Customize permission levels by type of user (admin vs. end-user) and by source of protected data.



18. **Ransomware protection:** Provide comprehensive protection against ransomware attacks. Take frequent backups, as often as every 5 minutes, to enable quick recovery of data on primary storage systems with minimal data loss. In addition, Cohesity backups are stored on immutable snaps to prevent malicious alterations.

University of Pennsylvania, Annenberg School for Communication

“ The goal for IT is to simplify storage and minimize costs. We are excited because Cohesity covers all of our secondary use cases. We use it for backup and file shares. We are excited to leverage Cohesity to replace off-site tapes with public cloud.”

- Marlon Wenceslao, Sr. Systems Manager