

Cohesity DataProtect

Available as a Service or Self-managed Software



Cohesity DataProtect is a high-performance, secure data protection solution. Designed to safeguard your data against sophisticated cyber threats, it offers the most comprehensive policy-based protection for your cloud-native, SaaS, and traditional data sources.

DataProtect converges multiple-point products into a single software that can be deployed on-premises or consumed as a service (BaaS).

Multi-layered Protection for Enterprise Applications

Designed on zero-trust principles, Cohesity DataProtect secures your enterprise data across a broad set of sources - virtual and physical servers, traditional and containerized applications, databases, NAS, and SaaS workloads.

A combination of immutability, WORM, data encryption framework, multifactor authentication, and granular role-based access control helps to stop unauthorized applications and bad actors from modifying or deleting your data.

Lightning Fast Recovery

The solution features near-zero recovery point objectives (RPOs) and near-instant recovery time objectives (RTOs) to meet business service-level agreements (SLAs). With Cohesity Helios' unified control plane quickly search and recover data on any Cohesity cluster, located anywhere. DataProtect uniquely reduces downtime by instantly mass restoring any number of virtual machines (VMs), large volume of unstructured data, and any size Oracle database, to any point in time, and reduces data protection costs by 70% or more.

Freedom of Backup as a Service (BaaS)

Take advantage of the public cloud's elasticity and economics with DataProtect delivered as a service. Choose an OpEx spend model and eliminate the need for on-premises hardware. The SaaS option allows you to easily configure your backup jobs and, within minutes, start protecting your mission-critical data and applications without needing any hardware on-premises.

Hosted in AWS and Microsoft Azure, Cohesity BaaS offers flexibility and choice to meet your business requirements.

Specifications		
Protected Workloads	<p>Self-managed</p> <ul style="list-style-type: none"> • Hypervisors: VMware vSphere (6.5 and later), Microsoft Hyper-V (2022, 2019, 2016, 2012 R2), Nutanix AHV and RHeV • Kubernetes: Vanilla, Red Hat Open Shift, VMware Tanzu Grid and Grid Service • Cloud: AWS EC2, Azure VM, and Google Compute • Physical: Windows, Linux (RHEL, CentOS, OEL, Debian, Ubuntu), AIX (7.x), and Solaris • Enterprise Databases: Oracle (11g R2, 12c), Oracle RAC and Microsoft SQL (2008 or later), SAP Oracle, SAP HANA, SAP Sybase ASE, SAP MS SQL, Sybase IQ, IBM DB2 LUW, Sybase ASE • Modern Databases: MongoDB with CDP, Hive, Hbase, Cassandra, CouchbaseDB, MySQL Enterprise Commercial Edition, PostgreSQL, Datastax Enterprise, Hortonworks Hadoop Distribution • Cloud-native Databases: AWS RDS, AWS Aurora, CockroachDB • Applications: MS Exchange (2019, 2016), MSFT Active Directory, Microsoft 365 (Exchange Online, SharePoint Online, OneDrive, Teams, Groups), SalesForce (SFDC), and SAP HANA • Primary storage: Pure FlashArray, HPE Nimble and Cisco Hyperflex • NAS: Pure FlashBlade, NetApp, Isilon, IBM GPFS, Elastifile, and generic solutions 	<p>Cohesity-managed BaaS</p> <ul style="list-style-type: none"> • Hypervisors: VMware vSphere (6.5 and later) and Microsoft Hyper-V (2019, 2016, 2012 R2) • Cloud: AWS EC2, Azure VM • Physical: Windows and Linux (RHEL, CentOS, OEL, Debian, Ubuntu) • Enterprise Databases: Oracle (11g R2, 12c) and Microsoft SQL (2008 or later) • Cloud-native Databases: AWS RDS, Azure SQL • SaaS Applications: Microsoft 365 (Exchange Online, SharePoint Online, OneDrive and Teams) and Salesforce • Primary storage: AWS S3 • NAS: NetApp, Isilon and generic solutions
Recovery Level	<ul style="list-style-type: none"> • Instant mass restore • Granular recovery of files, folders, and objects • Volume recovery • Cyber recovery 	<ul style="list-style-type: none"> • VMDK recovery • Instant volume mounts • Instant restores of VMs
Ransomware Protection	<ul style="list-style-type: none"> • Immutable backups, DataLock (WORM), encryption, and RBAC, Cyber vaulting • Machine learning-based anomaly detection • Rapid recovery at scale 	
Long-Term Archival	<ul style="list-style-type: none"> • Public cloud infrastructure, S3 and NFS compatible devices • Tape support using QStar archive manager 	
Global Search	<ul style="list-style-type: none"> • Global actionable search • Automated global indexing • Wildcard searches for any VM, file, or object on the platform 	
Flexible Deployment	<ul style="list-style-type: none"> • Software-defined solution for on-premises, public cloud, hybrid cloud, backup as a service, and edge sites 	

Specifications		
Public Cloud Integration	<ul style="list-style-type: none"> Multiple cloud solutions including long-term retention, disaster recovery, dev/test and native cloud backup Cohesity CloudSpin 	<ul style="list-style-type: none"> Cohesity Cloud Snapshot Manager Cohesity CloudArchive (unlimited) Cohesity CloudArchive Direct
Global Management and Access Control	<ul style="list-style-type: none"> Cohesity Helios control plane Multi-cluster single sign-on Role-based access control 	<ul style="list-style-type: none"> Multi-factor authentication Multi-cluster dashboard
Machine-Drive Recommendation	<ul style="list-style-type: none"> Clean recovery point Proactive system wellness Capacity prediction 	<ul style="list-style-type: none"> What-if analysis Performance balancing Support automation
Capacity Optimization	<ul style="list-style-type: none"> Storage efficiency (EC, small file efficiency) Global variable-length sliding-window deduplication Compression 	
Integration and Automation	<ul style="list-style-type: none"> API-first architecture OpenAPI standard RESTful API 	<ul style="list-style-type: none"> Python SDK PowerShell Module VMware vRealize (vRA/vRO)
Security	<ul style="list-style-type: none"> Software-defined AES-256, FIPS 140-2 compliant encryption of data in flight and at rest TOTP, Restricted Shell Access 	

Simplify and modernize your backup and recovery infrastructure with Cohesity DataProtect. Learn more at [Cohesity.com/products/dataprotect](https://cohesity.com/products/dataprotect).

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