

Cohesity DataProtect

Cohesity DataProtect is a high-performance, software-defined backup and recovery solution designed for the cloud era. Designed for hyperscale, it offers the most comprehensive policy-based protection for both traditional and modern data sources.

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



Hyperscale Simplicity with Broad Application Support

Cohesity DataProtect radically simplifies data protection by eliminating legacy backup silos and managing backup and recovery infrastructure with a single, easy-to-navigate user interface. It provides consistent and comprehensive enterprise-class protection for a broad set of sources: virtual and physical servers, traditional and containerized applications, relational and distributed databases, NAS and SaaS workloads.

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 data plane and 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) to any point in time, and reduces data protection costs by 70% or more.

Freedom of Backup as a Service

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.

It's as easy as: sign-up, connect, and protect!

Specifications

Protected Workloads	<ul style="list-style-type: none"> • Hypervisors: VMware vSphere (5.5 and later)*, Microsoft Hyper-V (2019, 2016, 2012 R2), Nutanix AHV and RHeV • Kubernetes-based data and application state • Cloud: AWS EC2, Amazon RDS, Azure VM, and Google Compute • Physical: Windows, Linux (RHEL, CentOS, OEL, Debian, Ubuntu), AIX (7.x), and Solaris • Databases: Oracle (11g R2, 12c), Oracle RAC and SQL (2008 or later) • Distributed Databases (NoSQL and Hadoop): MongoDB, CouchbaseDB, Apache, Cassandra, Cloudera and Hortonworks • Bare Machine Recovery: Windows and Linux • Applications: MS Exchange (2010 SP3 or later), 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, Google EFS, Elastifile, and generic solutions* 	
Recovery Level	<ul style="list-style-type: none"> • Instant mass restore • Granular recovery of files, folders, and objects • Volume recovery • VMDK recovery 	<ul style="list-style-type: none"> • Bare machine recovery • Instant volume mounts • Instant restores of VMs
Ransomware Protection	<ul style="list-style-type: none"> • Immutable backups, DataLock (WORM), encryption, and RBAC • 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, backup as a service, and edge sites 	
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

Specifications			
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) 	<ul style="list-style-type: none"> VMware vCloud Director (vCD) ServiceNow Ansible
Security	<ul style="list-style-type: none"> Software-defined AES-256, FIPS 140-2 compliant encryption of data in flight and at rest 		

*Available in Cohesity DataProtect delivered as a service as of 12/3/2020

Simplify and modernize your backup and recovery infrastructure with Cohesity DataProtect. Learn more at Cohesity.com/products/data-protect.



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