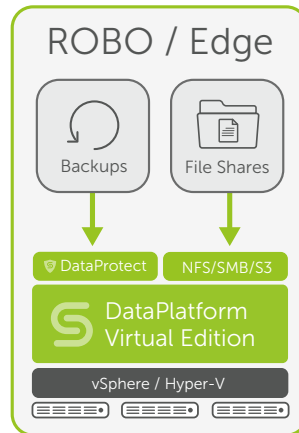


# Cohesity DataPlatform Virtual Edition

*Web-scale secondary data and applications platform for remote locations*

Cohesity DataPlatform Virtual Edition™ is a software-defined platform that consolidates secondary data and applications on a single virtual appliance to overcome mass data fragmentation. The solution brings the benefits of core data center protection and productivity workflows, including backup, recovery, archiving, test/dev, and analytics to remote and branch office locations. Simple, fast, flexible, and cost-efficient, Cohesity DataPlatform Virtual Edition runs on the most popular hypervisors—VMware vSphere, Microsoft Hyper-V, Nutanix AHV, RHEL (KVM)—requires no additional hardware, and integrates natively with leading public clouds, including Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform.



## Core Power for the Edge

Branch offices have the same needs as core data centers, yet limited IT resources. Cohesity DataPlatform Virtual Edition simplifies IT secondary data management modernization for remote and branch offices through the same simple user interface, APIs, and policy-driven automation available elsewhere in the enterprise.

## Fast Deployment

Cohesity DataPlatform Virtual Edition is easy to deploy as virtual appliances within existing vSphere and Hyper-V environments. Without additional hardware, the platform consolidates secondary workloads and eliminates unnecessary data copies for test/dev and analytics. It further reduces data footprints with enterprise-class data reduction and protection functions.

## Integration with Any Cloud

Built for cloud, Cohesity DataPlatform Virtual Edition natively communicates with private and leading public clouds—Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform—to keep edge data safe while making it productive. The solution easily moves data from the edge to the data center or directly to the public cloud and back to meet business requirements.

Specifications

<b>Hyperconverged Architecture</b>	<ul style="list-style-type: none"> <li>• <a href="#">Cohesity SpanFS®</a>, a distributed file system</li> <li>• Non-disruptive upgrades</li> <li>• Unlimited, distributed snaps and clones with no performance impact with</li> <li>• Cohesity <a href="#">SnapTree®</a></li> </ul>
<b>Multiprotocol Support</b>	<ul style="list-style-type: none"> <li>• Distributed volumes with multiprotocol NFS, SMB, and S3 access</li> <li>• Support for simultaneous sequential and random IOs</li> </ul>
<b>Storage Efficiency</b>	<ul style="list-style-type: none"> <li>• Global deduplication across all nodes, variable length, inline, or post-process</li> <li>• Compression, including Zstandard</li> <li>• Erasure coding 2:1, 4:2, and 5:2, and replication factor</li> </ul>
<b>Data Resiliency</b>	<ul style="list-style-type: none"> <li>• Strict consistency across nodes within a cluster, ensuring data resiliency and that reads always return the most recent data</li> </ul>
<b>Use Cases</b>	<ul style="list-style-type: none"> <li>• Backup and recovery</li> <li>• Target storage</li> <li>• Files and object storage</li> <li>• Test/dev</li> <li>• Analytics</li> <li>• Security and compliance</li> <li>• Long-term retention</li> <li>• Disaster recovery</li> </ul>
<b>Supported Applications</b>	<ul style="list-style-type: none"> <li>• Cohesity DataProtect™ – DataPlatform is the foundation for DataProtect’s delivery of comprehensive data protection for all workloads, anywhere on a single platform that converges backup, recovery, replication, and target storage with fast RPOs and near-instant RTOs</li> <li>• Cohesity Helios™ – SaaS-based global secondary data and apps management for Cohesity environments</li> <li>• Pattern Finder – Application that searches for multiple patterns, such as \d{3}-\d{2}-\d{4} at once across a wide variety of files and formats—from text and office files to PDF and Zip formats—simplifying discovery</li> <li>• Password Detector – Application that searches for files with alphanumeric strings, raising the probability that a string is also a password</li> <li>• Video Compressor – Application that compresses video file formats, for example .mpeg, .avi, .mp4, .flv, .wmv, .mov, reducing retained file storage sizes</li> <li>• Custom Apps – Develop custom apps via Java archive files</li> </ul>
<b>Global Search</b>	<ul style="list-style-type: none"> <li>• Automated global indexing</li> <li>• Wildcard searches for any VM, file, or object on the platform</li> </ul>
<b>Flexible Deployment</b>	<ul style="list-style-type: none"> <li>• Software-defined solution to deploy on VMware vSphere (5.1, 5.5, 6.0, 6.5.6.7), Microsoft Hyper-V (2016; AHV Version - Nutanix 20170830.184 and above and AOS Version - 5.10.0.2 LTS and above; RHEL Server 7.6 (KVM) and above with Kernel version 3.10.0-957 and above</li> </ul>
<b>Public Cloud Integration</b>	<ul style="list-style-type: none"> <li>• Native cloud integration with all leading public clouds including AWS, Microsoft Azure, Google Cloud Platform, and any S3 compatible clouds, as well as AWS Govcloud and Microsoft Azure GovCloud</li> </ul>
<b>Global Management</b>	<ul style="list-style-type: none"> <li>• Cohesity Helios for multi-cluster, global active management, Realize, ServiceNow</li> </ul>
<b>API Integration</b>	<ul style="list-style-type: none"> <li>• API-first architecture, RESTful API, OpenAPI standard</li> </ul>
<b>Encryption</b>	<ul style="list-style-type: none"> <li>• Software-defined AES-256, FIPS compliant encryption of data in flight and at rest</li> </ul>
<b>Configuration</b>	<ul style="list-style-type: none"> <li>• 8TB</li> <li>• 16TB</li> </ul>
<b>VM compute</b>	<ul style="list-style-type: none"> <li>• 8 vCPU</li> <li>• 12 vCPU</li> </ul>
<b>VM memory</b>	<ul style="list-style-type: none"> <li>• 32GB</li> <li>• 64GB</li> </ul>
<b>Replication</b>	<ul style="list-style-type: none"> <li>• <a href="#">Replication to another Cohesity DataPlatform in the core or cloud</a></li> </ul>

Overcome mass data fragmentation by simplifying and unifying all secondary data and applications on Cohesity DataPlatform Virtual Edition. Learn more at [cohesity.com/products/dataplatform-virtual-edition/](https://cohesity.com/products/dataplatform-virtual-edition/)

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