

# Hyperconverged Secondary Storage

## Consolidate Secondary Storage and Simplify Your Data Protection on One Validated Solution From Cohesity and HPE

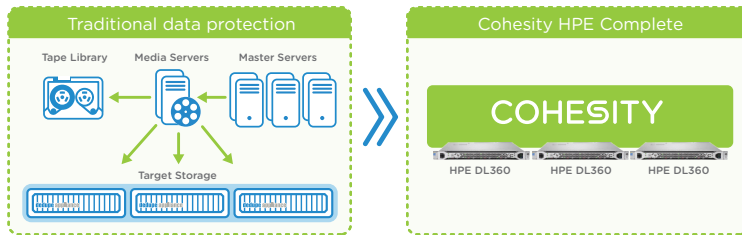
### Struggling with secondary storage and data protection?

80% of enterprise data consists of secondary data: backups, files, objects, test/dev copies, and analytics data. Secondary storage infrastructure is fragmented across multiple point solutions, including dedupe appliances, backup software and servers, cloud gateways, filers, target storage, media servers, proxies, replication, and disaster recovery. In today's cloud era, many storage admins are faced with the challenge of protecting their growing data, that is consumed by increasing number of business critical applications, while supporting tighter business requirements like, shorter Recovery Points and faster Recovery Times.

Legacy data protection solutions that were designed over a decade ago haven't kept up with today's IT environment. These legacy data protection solutions are highly silo'ed, making the data center environment complex and expensive to manage. There has to be a simpler and more cost-effective way to keep your data safe. This is the problem that Cohesity and HPE are solving with an integrated solution.

### Simplify secondary storage and data protection with Cohesity and HPE

Cohesity and HPE jointly provide a scale-out, hyperconverged secondary storage solution to address all secondary data requirements - including target storage, backup, replication, disaster recovery, files, objects, test/dev copies, analytics data, and cloud tiering, on a single platform. As an integrated solution, it eliminates all legacy storage silos and offers one, easy to manage UI and policy-based automation. Support for multi-protocol access (NFS, SMB and S3) enables Cohesity to be used as a dedupe target and to consolidate files. Achieve operational efficiency with sub 5-minute Recovery Points and near instant Recovery Times, all while cutting data protection costs by 50%. The joint solutions eliminate forklift upgrades, with the pay-as-you-grow model. Cohesity's software-defined storage software offers native cloud integration with all the leading public clouds for archival, tiering and replication workloads.



### Key Benefits

- Simple, unified data protection with a Cohesity software on HPE DL360 nodes
- Hyperconverged secondary storage platform to consolidate all secondary storage on a multicloud data fabric
- Manage data protection with a single UI and policy-based automation
- Accelerate data protection with sub-5 minute RPOs and near instant RTOs
- Build a multicloud data fabric with native cloud integration for archival, tiering and replication
- Eliminate forklift upgrades and pay-as-you-grow on the Cohesity web-scale platform
- NFS, SMB, and S3 compatible object storage with multiprotocol access supporting NFSv3, CIFS, SMB2.x, SMB 3.0, and S3 APIs
- Global Google-like search on all file and object metadata
- Minimize risk with a joint validated solution and the backing of HPE Interop assurance
- Start with as little as 3 HPE nodes and scale-out over time
- Simplify procurement by purchasing the complete solution on a single HPE purchase order

Legacy Data Protection	Cohesity DataPlatform and HPE
✗ Multiple product silos	✓ One validated solution: Cohesity software and HPE DL360
✗ Complex Management	✓ Simple Management
✗ Fragmented deduplication	✓ Global deduplication
✗ Slow RPOs and RTOs	✓ <5 minute RPOs, near-instant RTOs
✗ Disruptive upgrades & expansion	✓ Non-disruptive upgrades and expansion
✗ Limited cloud integration	✓ Native cloud integration
✗ Purchase from many vendors	✓ One single PO from HPE



## HPE Nodes Certified for Cohesity DataPlatform

In the datacenter, Cohesity DataPlatform is deployed on hyperconverged nodes. Each node has compute, flash and HDD capacity to consolidate secondary storage and data services. Customers can scale capacity as needed, starting with as little as 3 nodes and scale-out linearly by simply adding individual nodes to the cluster.

Cohesity and HPE have worked closely together to certify the optimal ProLiant configuration to run Cohesity DataPlatform. Each node provides 25.6TB of raw storage capacity and consists of the following configuration:

### HPE DL360 Node



Server Model	HPE ProLiant DL360 Gen9
Compute	2 x Intel Xeon E5-2630v3 (2.4GHz 8-Core CPUs)
Memory	64GB DDR4-2133
PCI-e-Based Flash Storage	1.6TB
Hard Disk Capacity	24 TB
On-Board Network Connectivity	2x 10 GbE, 4x 1 GbE, 1x iLO 4

## HPE Complete for Cohesity: One Solution Purchased From HPE

Cohesity is available as a HPE Complete solution (<https://h20195.www2.hpe.com/V2/GetDocument.aspx?docname=A00005879ENW>). Customers can purchase a complete solution, including HPE ProLiant certified nodes and Cohesity software, on one HPE purchase order. And customers get the full confidence of purchasing a complete solution from their trusted supplier, with the backing of HPE Interop assurance validation and solution report.

Click here to leverage reference architecture that is based on industry leading HPE 3PAR all-flash arrays and Cohesity's Hyperconverged Secondary Storage platform running on HPE's ProLiant 360 Gen9 servers  
<http://www.cohesity.com/resource-assets/reference-architecture/Cohesity-HPE-ProLiant-RA.pdf>