

# Simplified Backup and Recovery for Unstructured Data

Modern protection for Pure FlashBlade, NetApp, Isilon, IBM GPFS, Elastifile, and Generic NAS solutions



## Key Benefits

- Simplified operations with a modern automated solution
- Immutable against ransomware attacks
- Rapid and flexible recovery
- Meet business SLAs without performance impact

According to IDC, the global datasphere will be 175ZB by 2025, 80% of which will be unstructured. The dramatic growth of unstructured data and increased cyber threats make it challenging for enterprises to protect their data.

Corporate home directories, departmental shares, engineering repositories, and application datasets are a few common sources of ever-growing mission-critical unstructured data. Unfortunately, legacy backup and recovery solutions designed over a decade ago cannot keep up with rapid data growth and modern threats. To meet their strict business SLAs, enterprises need to reconsider their data protection strategy. They need a simple and efficient solution that keeps their data protected against a range of threats and helps reduce the total cost of ownership.

## Backup and Recovery for the Modern Era

Inspired by the hyperscalers, Cohesity's software-defined platform dramatically simplifies protecting your growing unstructured data against human errors, systems failures, natural disasters, or sophisticated ransomware attacks. Cohesity's snapshot-based integration with the leading network-attached storage (NAS) solutions streamlines and automates your IT operations. The platform approach offers end-to-end data protection, including policy-based backup and recovery, disaster recovery, long-term archival, and data tiering on a single solution, all managed through a global user interface.

Your unstructured data includes a range of sensitive information about your business, partners, and customers, and it needs an enterprise-class modern solution that can deal with modern challenges. Cohesity's comprehensive backup and data management capabilities provide significant benefits.

**Simplified Operations:** A converged backup and recovery solution that can protect most traditional and modern data sources anywhere. Cohesity offers agent-less, policy-based, volume-level backup and granular file-level restore of NAS data held on SMB/CIFS and NFS NAS solutions.

**Automated:** Meet data retention and compliance requirements by auto-discovering and auto-protecting NAS data volumes across leading NAS solutions. Set and forget data retention rules by creating automated policies with specific SLAs, saving time while protecting ever-increasing NAS data.

**Seamless Integration:** Cohesity snapshot-based integration with Pure FlashBlade, NetApp, Isilon, IBM GPFS, Elastifile, and Generic NAS solutions streamline operations with point-in-time snapshots and efficient file tracking for incremental backups.

**Reduce Data Footprint:** Cohesity's global variable-length sliding-window deduplication and compression across data sources dramatically helps to reduce data footprint. Additionally, CloudArchive Direct allows indexing and moving data directly to the public cloud, reducing additional data on-premises.

**Immutability Against Ransomware:** A multi-layered defense, including immutable backup snapshots, WORM, MFA, RBAC, and policy-based data isolation, ensures your backup data is protected against sophisticated ransomware attacks and other unauthorized users.

**ML-based Anomaly Detection:** The cutting-edge ML algorithms proactively assess IT needs and automate infrastructure resources regularly. Cohesity machine learning models look for anomalies to help identify potential ransomware attacks in progress in the IT production environment.

**Deep Insights:** Cohesity's powerful indexing allows you to instantly search and discover NAS file data across your global Cohesity footprint.

**Rapid and Flexible Recovery:** Reduce downtime and data loss with instant restores. Cohesity maintains fully hydrated snapshots that can instantly be restored at any point-in-time and location. Granular search and recovery capability allows to quickly locate and restore at the file-level.

**Meet SLAs without Performance Impact:** Distributed architecture combined with adaptive data throttle by workload and data source helps to optimize performance without impacting the IT production environment.

Learn more at [www.cohesity.com](http://www.cohesity.com)

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