Modernize Archive and Tiering with SmartFiles
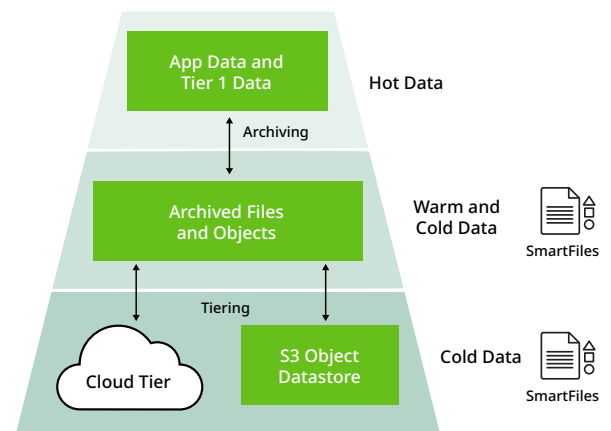
Key Benefits

- Enterprise-grade retention, archival, and data retrieval
- Unified file and object support
- Software-defined multicloud solution
- Unlimited scale
- Singular management interface
- Superior storage efficiency
- Strong security and resiliency
- Policy-based automation
- Unified, global visibility & control
- Streamlined compliance

Data is the lifeblood of every business, with unstructured data being the basis for many of the latest data driven innovations across all major markets. Indeed, Gartner estimates that unstructured data represents up to 90% of new enterprise data, and it's growing three times faster than structured data.

Managing fast-accumulating unstructured data amid new business demands presents a serious challenge for many organizations. Long-term retention and archival of infrequently accessed unstructured data is required for regulated industries, but is also prudent and practical for all organizations in order to maintain governance, reduce IT overhead, and provide reliable and threat resistant accessibility to data for productivity and analytics. However, the reality is that manual efforts to manage application data across multiple silos remains common and cloud integration remains a challenge, which increases data storage and management costs and accelerates inefficiency. Cohesity SmartFiles transcends traditional file and object platforms to provide a singular solution to address data management challenges, including archiving, retention, security, compliance, and more.

Cohesity SmartFiles

Cohesity SmartFiles simplifies long-term unstructured data retention for cold and active archives with a software-defined, data-centric, multicloud, unified file and object repository. SmartFiles modernizes and simplifies data and application management, privacy, and control by providing one platform for consolidating archival data from application workloads. Enterprises are uniquely empowered to efficiently manage data at scale for governance and compliance, with policy-based controls enabling automatic data placement on the most appropriate or economical tier or clouds. SmartFiles also drastically reduces costs and management complexity and creates limitless value from organizational data. Furthermore, Cohesity's Marketplace apps and machine-learning assisted management provide intelligence and ease-of administration that distinguish SmartFiles from the rest.

Eliminate Expensive Silos and Management Complexity

SmartFiles modernizes and simplifies data and application management by providing one platform for multiple archive workloads. It is a modern converged target for consolidating data silos and securely managing unstructured content and application data, including digital libraries, archives, rich media, video surveillance, big data, and backup data sets.
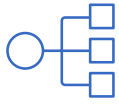
Content Management
- Secure file repository
- Scalable libraries
- File & Object

Splunk Warm & Cold Buckets
- Cost-effective cold archiving
- On-premises, cloud or both
- Frozen data to cloud

Corporate Audio & Video
- Corporate communication
- In-house productions
- Education and training

Digital Archives
- Digital documents
- Audio and video files
- Active & passive archives
- Backup datasets

Video Surviellance
- Security cameras
- Body and mobile cams
- Rapid retrieval from large amounts of data

There are many industries that depend on Cohesity for file and object services. These industries include:

Financial Services
- Images & documents
- Call logs & correspondence

Law Firms
- Documents and research
- Collaboration
- eDiscovery and legal hold

State, Local and Education
- Collaboration & research
- Safety & security
- Innovation/ technology

Healthcare
- PACS archives
- VNA archives

Life Sciences and Medical Research
- Genomic data archive
- Security
- Compliance

Archive and Tiering Benefits and Capabilities

Reduce TCO

Eliminate data silos with a singular platform for archival and retention, backup, disaster recovery, cloud integration, and data management across multiple sites and clouds.

One Management Interface

One user interface is all you need to manage your on-premises Cohesity clusters as well as Cohesity-managed or partner-managed clusters. Use the mobile app version of the user interface to drill down into specific services or clusters when you're on the go in remote locations. The Helios interface also takes advantage of machine learning based information to enable predictive planning for capacity management.

Massive Scale

Capacity and performance scale linearly to support consolidation of multiple archives.

COHESITY

Unified File & Object

Native multiprotocol support for NFS, SMB and S3. Files and objects can be accessed simultaneously, and all data is always available via S3. File permissions across NFS and SMB environments are mapped for transparent file access from either protocol.

Flexibility

Archive and tier from on-premises to the cloud—or run all archiving and tiering within the cloud. SmartFiles runs in the cloud with all the functionality available on-premises. Capacity, performance, and cost can be matched with workload requirements with the freedom to choose the most appropriate hardware for any workload.

Smart Data Tiering and Placement

Eliminate the need for expensive and time-consuming third-party tiering applications with built-in capabilities for transparently offloading file data from Tier 1 NAS devices to SmartFiles (also known as External NAS Tiering). Take advantage of policy-based control over hot, warm, or cold data for easy data placement on the right tiers and clouds.

Broad Cloud Integration

Easy integration of archiving and tiering with one or more clouds, including Amazon AWS, Google Cloud Platform, Microsoft Azure, and any other S3-enabled clouds.

Visibility

Quickly discover data across cloud and geographically distributed archives using comprehensive and simple to use enterprise search features. Get fast and reliable search results across file content and metadata with ease.

Efficiency

Drive down storage costs with data reduction delivered through cross volume sliding window variable dedupe, small file optimization, and compression.

Security and Compliance

Exceptional security and privacy through secure long-term retention and compliance with SEC17a-4, PCI-DSS, Common Criteria, FIPs-compliant software encryption, SMB encryption, auditing, multi-factor authentication (MFA), and integrated anti-virus and ransomware protection. Together, these robust security features can satisfy the most highly regulated industries to power a myriad of enterprise use cases.

Immutability

Immutable file data protection with WORM (using DataLock) so that copies of data cannot be modified.

Audit Logging

Integrated audit logging provides the ability to analyze file activity for investigative and compliance purposes.

Do More with Data

Expand the value of your unstructured data with a Marketplace app ecosystem of integrated third-party applications. These powerful apps run directly on that data in-place to: mitigate risk from cyber threats and ransomware, accelerate content and metadata search, streamline compliance and eDiscovery, detect anomalies, develop actionable insights with powerful analytics, and more.

Lower your total cost of storage ownership by up to 51% by consolidating your data onto a more cost-effective simpler to manage solution. Learn how from this report from ESG Research

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