

Cost-Effective Active Archiving including Comprehensive Data Management

Centrally Manage, Use and Protect All Your Data

BENEFITS

- Constantly offload rarely used files from primary storage
- Cost-effectively protect your long-retention data
- Manage all your data centrally
- Scale as needed to accommodate growth
- Transparent and fast access to your actively archived data
- Consolidate data from various sources

Astronomical growth of data has made storing, processing, managing and protecting files a pressing concern for organizations today. File servers, NAS devices and other data repositories are overwhelmed by the sheer volume of aging files that are rarely used.

Yet compliance with retention policies and other regulations require these files to be preserved long-term and remain accessible when needed. As storage systems fill up, files spill over into separate storage silos, adding to incompatibility, costs, and usability problems.

ACTIVELY ARCHIVE FILES

Active archiving solves this problem by constantly offloading those rarely accessed files into lower cost, scalable object storage. Nodeum's policy-driven data mover seamlessly migrates files from various storage sources to DataCore Swarm object storage for cost-effective long-term data retention and easy recall on-demand. Migration criteria can be easily defined by selecting types of files, age, last date used and other parameters.

Why DataCore Swarm is the Best Choice for Your Active Archive

With Swarm software-defined object storage, you can reduce your storage management overhead and continuously lower the total cost of ownership (TCO) for your seldom used files. At the same time, ensure that your data is always protected and immediately available - even after a month, a year or ten years later.

This on-premises storage platform allows you not to worry about unexpected cloud costs, potential public data breaches or tampering. Your data is safely stored within your network perimeter in accordance with your security policies.

Using its logical and extensible multi-tenant architecture, Swarm makes it easy for you to deploy an active archive with user-defined capacity, access and data protection policies for any number of files and authorized users. In addition, files may be enriched with metadata information (tags) for easier searches and to support new application scenarios.



Offload Primary Storage



Scale As Needed



Protect Data

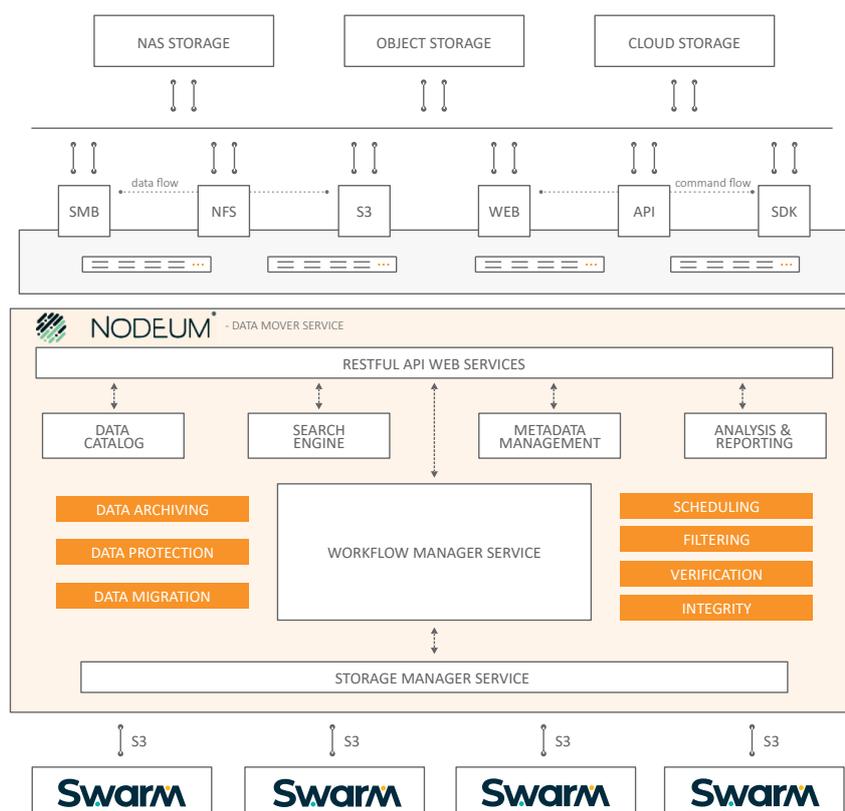
Swarm continuously monitors the cluster for hardware failures, bitrot, replication and erasure coding anomalies, taking action as needed to self-heal. Moreover, Swarm uses a patented parallel architecture to automate management and increase resiliency and responsiveness as cluster sizes grow. This also speeds up read, write, and repair operations as your data capacity increases.

TRANSPARENT OFFLOADING AND COMPEHENSIVE DATA MANAGEMENT

One of the best methods to enable efficient organization, structuring and control of data is to leverage a platform-independent, intelligent data management software, such as Nodeum. The Nodeum data mover software migrates files from different sources while supporting the active archiving needs in processing large amounts of data (PB or EB range) and meeting the requirements of critical infrastructures (EPCIP).

The graphic below illustrates how the flexible and agentless migration works, managing and abstracting storage sources and enabling seamless movement of data between different storage media. Nodeum has been specially developed for highly scalable and heterogeneous environments. The aim is to automate the data movement based on business objectives and optimize data flows between diverse storage systems and access protocols.

Nodeum helps to address the challenges inherent in transferring files between heterogeneous systems at the file system level (CIFS/NSF, SMB, GPFS, LUSTRE) and at the file level (output formats, Dicom/non Dicom, ...). Being the link between applications/modalities, the worlds of file systems and the integration of AI algorithms, Nodeum assures great control of data movement and management with absolute data security.



Key Highlights of the Solution

- Fast and easy cross-platform data management
- Increased productivity and control over files with file-based, automated data workflows
- Integrated analysis & reporting enabling traceability and control over each actively archived file
- Vendor-independent support of NAS, cloud, object storage & tape systems
- GDPR-compliant integration with existing authorization systems and encryption technology

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Discover the Ultimate Flexibility of DataCore Software

DataCore Software delivers the industry's most flexible, intelligent, and powerful software-defined storage solutions for block, file, and object storage, helping more than 10,000 customers worldwide modernize how they store, protect, and access data. With a comprehensive product suite, intellectual property portfolio, and unrivaled experience in storage virtualization and advanced data services, DataCore is The Authority on Software-Defined Storage. www.datacore.com

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