

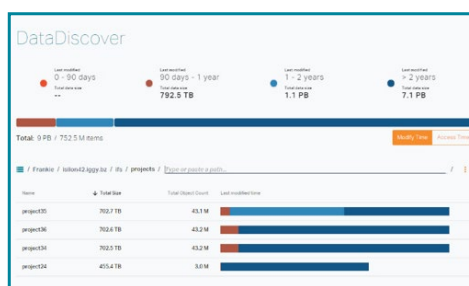


## Optimize Your NAS Archive with Igneous and Cloudian

Organizations with large unstructured-data environments need a secondary storage tier that can provide archive capacity at scale. While some enterprises have successfully incorporated public-cloud storage into their unstructured data management strategy, others have security and cost concerns that make a local archive storage option attractive.

Some organizations are driven by recovery-time requirements and can't restore data from a cloud-based archive quickly enough. Others need to move data regularly to and from archive storage as part of their standard data lifecycle and can't justify the high access fees they would incur with every operation.

Enterprises that need high-performance, high-capacity archive storage, but also find that the costs of cloud storage preclude its use, are increasingly turning to Cloudian HyperStore Object Storage as their scalable on-premises archive platform, and using it with Igneous DataDiscover and Igneous DataProtect to find and archive cold data at scale.



**Igneous DataDiscover quickly finds and flags cold data, enabling painless archive from anywhere in the enterprise.**

### How It Works

Engineered with a multi-threaded scan engine that can discover and index hundreds of thousands of files per second, DataDiscover can scan entire NAS systems in only minutes to hours, quickly identifying cold data even in exabyte-scale environments with billions of files. Once found, cold data can be easily archived to Cloudian storage through Igneous DataProtect's powerful data-movement engine.

The performance and simplicity of Igneous, combined with the scalability and predictable costs of Cloudian HyperStore Object Storage, lets enterprises easily identify and archive terabytes to petabytes of cold data.

Cloudian's S3 API compatibility supports a wide range of object storage use cases, providing durable, scalable on-premises archive storage that supports rapid RTO requirements while eliminating the hidden fees and guesswork of public-cloud storage.

Together, Igneous and Cloudian enable simple, effective archive of cold data from your primary NAS file systems, efficient movement of large amounts of data to Cloudian storage, and frictionless recovery of archived data if and when it's needed again.



### BUSINESS BENEFITS

**Time-to-value within minutes.** Igneous' SaaS model means there's virtually no configuration or tuning needed. Customers can run backup and archive tasks literally within minutes of deployment.

**Archive from any NAS source to Cloudian storage.** Igneous offers simple, vendor-agnostic data protection and archive from any NAS system to Cloudian HyperStore, even in heterogeneous environments with millions to billions of files, and terabytes to exabytes of data.

**Scale and performance.** Engineered and built for any scale, Igneous can scan and index hundreds of thousands of files per second to quickly identify cold data in any size environment. Igneous also delivers line-speed data movement between primary and Cloudian storage, enabling effective and reliable data archive even at exabyte scale.

**SaaS simplicity.** Igneous remotely monitors all data-management services, handling code updates, feature releases, and bug fixes with no downtime, letting customers focus on business operations rather than backups.

## Click-to-Archive Simplicity

Platform-agnostic, Igneous can archive data from every type of NAS platform. Even heterogeneous enterprises with a mix of NAS systems can consolidate their archive stores to Cloudian HyperStore Object Storage through a single, intuitive web portal.

With Igneous' powerful archive capabilities, data owners and administrators can create policies to archive cold data to Cloudian storage automatically. By indexing all data as it's moved, Igneous also simplifies the process of finding and restoring data when it's needed again.



Once identified, cold data can be moved to Cloudian with Igneous' click-to-archive feature

## ARCHIVE FEATURES

- Simple, click-to-archive initiation
- Automated archive job management
- Archive datasets at the system, export, or directory level
- Read-only metadata access via NFS to archived data
- Search to restore archived data via direct download, or restore to primary NAS
- Archive data indexed on ingest for simple search and recovery

## Cloudian HyperStore Object Storage Overview

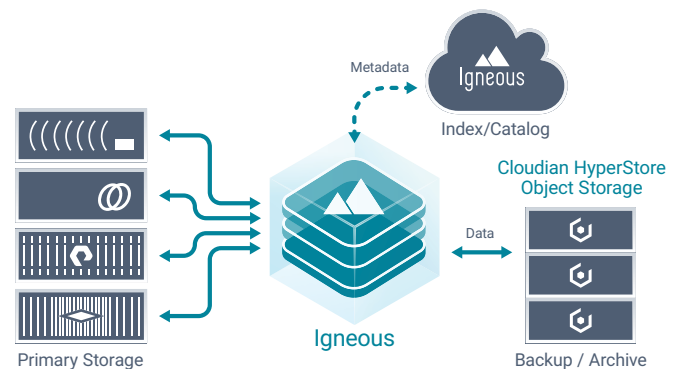
Cloudian HyperStore's S3-object storage enables cost-effective, on-premises backup and archive at scale. Simple to deploy and configure, HyperStore delivers backup and archive at up to 70% less cost than NAS-based solutions and 30% less than tape. Highly available, secure and resilient with no single point of failure, every Cloudian HyperStore cluster offers non-disruptive scalability to exabyte-plus size, with throughput and performance increasing as your cluster expands. Customers can even manage their own erasure-coding and encryption settings for added data durability and security. With densities up to 1.5PB in a single 4U chassis, Cloudian HyperStore Object Storage is the perfect on-premises archive solution for enterprises that need cost-effective local archive storage.

## Igneous Archive as-a-Service

Between DataDiscover's ability to find and present cold data at scale, and DataProtect's high-performance data movement, Igneous simplifies and automates archive operations, even at multi-petabyte scale with billions of files, for even the largest enterprises.

Igneous is the only archive solution that includes full API integration with Dell EMC Isilon, NetApp, Pure Storage FlashBlade, and Qumulo file storage, leveraging each platform's specific capabilities to manage backup-related snapshot initiation, file-system security, and data-path optimization for maximum throughput and performance.

Delivered as-a-Service, Igneous also simplifies service and platform management. We manage and monitor overall service availability and performance, freeing up organizations and IT staff to focus on core business services.



## About Cloudian

Cloudian is a Silicon Valley-based file and object storage company specializing in S3-compatible object storage systems. With technology roots in the large-scale enterprise message space, Cloudian introduced its object-based platform, HyperStore, in response to explosive growth rates in unstructured data. Across all industries – from media, to medical, to industrial – new applications, formats, and technologies are driving this rapid increase of data, creating issues around storage costs and complexity. Today's enterprises and service providers alike are building reliable, affordable, and scalable storage solutions with Cloudian, the leading fully native S3 file and object storage solution.

Visit [cloudian.com](http://cloudian.com) to learn more.

## About Igneous

Igneous is the SaaS data management solution for file intensive environments. Enterprises trust Igneous to provide visibility, protection, and movement at scale. Igneous' API-enabled, cloud-native solution combines all data management functions, allowing organizations to fully tap the value of their unstructured data while reducing risk and optimizing IT resources.

**Igneous: Petabytes today, exabytes tomorrow.**

Find out more at [igneous.io](http://igneous.io)

## Contact Igneous

To learn more about Igneous and about our unstructured data-management solutions, contact us:

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