



Archiving Cold File Data with Igneous and Wasabi Hot Cloud Storage

While many enterprises have successfully incorporated public cloud storage into their data-management strategy, archiving file data to the cloud introduces new challenges. Identifying cold data among billions of files and petabytes of active datasets, implementing a reliable mechanism for moving (and retrieving) data at scale, and managing public cloud storage tiers – many of whom levy transaction fees for data egress and API access that may mean excessive, unplanned costs.

Enterprises who need predictable storage costs are turning to Wasabi Hot Cloud Storage – a high-performance, one-size-fits-all storage service that eliminates storage tiers, along with access and API fees. Wasabi customers get unlimited access to high-performance cloud storage, for only the cost of the capacity used.

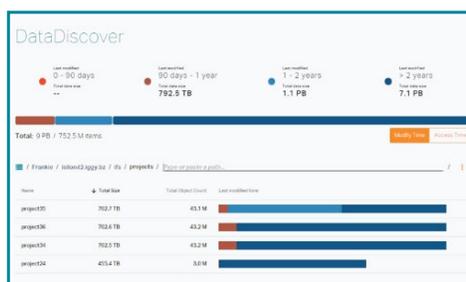
Igneous offers transparent backup and archive to Wasabi Hot Cloud Storage, giving customers one-click archive capability with as-a-Service simplicity. An archive strategy that combines Igneous performance and simplicity with the unlimited capacity and predictable costs of Wasabi Hot Cloud Storage lets enterprises easily identify and move cold data – from terabytes to petabytes – into the cloud, using Igneous' intuitive web interface.

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. Once identified, Igneous' optional click-to-archive feature can move entire datasets directly to the public cloud.

Wasabi is used by leading enterprises to support a wide range of object storage use cases, providing highly durable, always-on storage with security capabilities that protect your data while eliminating the hidden fees and guesswork of other public cloud storage tiers.

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



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

BUSINESS BENEFITS

A file archive strategy built around Igneous and Wasabi Hot Cloud Storage delivers the following benefits:

Cloud integration at any scale.

Igneous offers simple, transparent cloud integration for both active file data (via backup) and cold data (via archive). Through Igneous' intuitive web portal that unifies storage platforms, cloud platforms, and file-system protocols to a single management point, organizations can discover, protect and archive millions to billions of files, and terabytes to exabytes of data, with equal ease.

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 local and cloud endpoints, enabling effective and reliable data archive even at exabyte scale.

As-a-Service simplicity.

Igneous remotely monitors applications in customer data centers, letting customers focus on business operations without spending additional administrative cycles to manage and monitor backup, archive, and migration activity.

Click-to-Archive Simplicity

Platform-agnostic, Igneous can archive data from every type of NAS platform. Even heterogeneous enterprises with multiple NAS types can consolidate their archive stores into Wasabi Hot Cloud Storage through a single intuitive web portal.

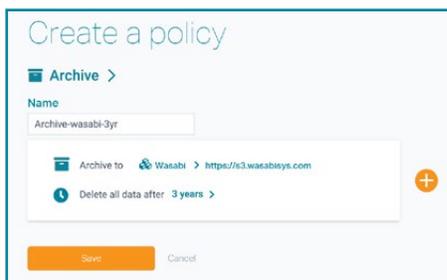
With Igneous' powerful archive capabilities, data owners and administrators can create policies to archive cold data to Wasabi Hot Cloud Storage with a simple click. By indexing all data as it moved, Igneous also simplifies the process of finding and restoring data when it's needed again.



Wasabi Hot Cloud Storage Overview

Wasabi's full S3 compatibility gives enterprises a target for archive data that works directly with Igneous' native cloud storage interoperability. Its single-tier architecture and lack of access fees for data simplifies both backup and archive strategies, and provides:

- **Always-on storage** with immediate time-to-first-byte access to even cold data.
- **Data durability** of 11x9s (9.99999999), which corresponds to one file lost per 10,000 years of storage
- **Optional data encryption** at all times, both in transit and at rest
- **Data immutability**, so data cannot be decrypted, deleted or modified by any method – effectively offering WORM-level protection in the cloud
- **Access-control mechanisms** – including bucket policies and access-control lists – that can be configured to selectively grant permissions to users and groups.



Igneous DataProtect can be configured to write directly to Wasabi simply by adding the Wasabi target to an archive policy, using Igneous' intuitive web portal.

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 scales 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 backup-related snapshot initiation, file-system security, and data-path management for optimal throughput and backup 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.

ARCHIVE FEATURES

- One-click or API 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
- Index archived data on ingest

CLOUD-TIERING FEATURES

- Lifecycle management across Igneous and Wasabi, enabling version control and expiration of old data
- Native interoperability with Wasabi, including data ingress, egress, and multi-site management
- Efficient movement of data to cloud storage
- Replication between Igneous and cloud storage for offsite redundancy
- Search both onsite and cloud-based datasets, with enforced file permissions, to enable self-service restore operations

About Wasabi

Wasabi changed the cloud storage landscape forever by introducing Hot Cloud Storage, a disruptively simple, one-size-fits-all cloud storage technology that is 1/5th the price and faster than the competition with no additional hidden fees or API call charges. Wasabi is game changing, leading-edge cloud technology that allows users to affordably store an infinite amount of data. Wasabi makes saving data simple, affordable, fast and secure. Wasabi Hot Cloud Storage removes the complicated decision of where, how and whether to save your data, and empowers you to transform your business and organization through cost savings and disruptive speed and performance.

Visit wasabi.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

Contact Igneous

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

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