

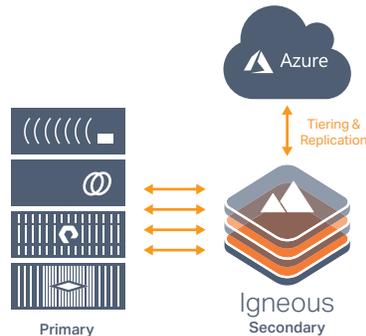


Igneous Data Protection and Archive with Microsoft Azure

Protect Your Most Critical Data on Azure Storage

Igneous DataProtect simplifies and automates data protection and archive, giving IT teams the ability to offer self-serve data protection services across the enterprise. Offering native integration with Microsoft Azure storage, Igneous DataProtect also provides a simple, intuitive interface for managing both local and cloud-based backup and archive policies, enabling IT and end users to manage data protection and archive tiering from a single intuitive web portal.

Together, Igneous and Azure allow you to back up unstructured data stored on your primary network attached storage (NAS) file systems, efficiently move large amounts of data to Azure Storage, and protect and manage your data with tiering and replication to cloud. Igneous works seamlessly with any storage tier of Azure, including Hot, Cool, and Archive.



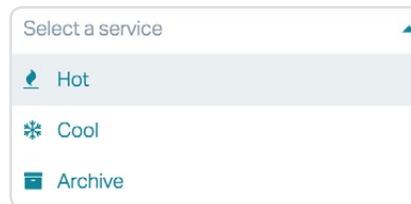
How It Works

Igneous DataProtect is hardware agnostic, centralizing backup and archive operations and data from every NAS platform in the enterprise. Organizations that deploy a mix of NAS architectures can use Igneous to consolidate data from all systems on Azure Storage. Igneous is the only backup and archive solution that includes full API integration with Dell EMC Isilon, NetApp, Pure Storage FlashBlade, and Qumulo QF2 storage.

Azure BLOB and Igneous DataProtect

With Igneous, delivers an unstructured data management solution engineered specifically for multi-petabyte enterprises. Delivered as-a-Service and built using a cloud-native architecture, Igneous DataProtect offers a modern, scalable approach to unstructured data management across datacenters and in the public cloud, while eliminating the need to manage backup infrastructure. Igneous manages backup and long-term archiving of unstructured file data to Azure Archive Blob Storage across the entire enterprise, enabling organizations to replace tape and legacy backup software.

Igneous DataProtect and Azure Blob Storage allows organizations to optimize data protection and archive in order to address compliance requirements, protect mission-critical data and place long-term archival data on the lowest-priced storage tier yet, meant for data that is infrequently accessed but must be stored for long periods of time due to internal or external data retention requirements.



KEY BENEFITS

As-a-Service delivery

Customers don't buy or manage hardware; instead, Igneous remotely monitors, troubleshoots, and even performs software updates on its appliances installed in customer datacenters. Igneous' remote management and fail-in-place architecture dramatically reduce management overhead for enterprise IT.

Scale-out

On-premises appliances integrate highly scalable backup and archive software with scale-out index and object stores to manage billions of files.

High performance

Igneous performs highly parallel data movement, optimized for scale-out primary NAS systems from NetApp, Dell EMC Isilon, Pure Storage FlashBlade, Qumulo, and others. Dynamic throttling eliminates impact to users and applications accessing the primary storage. As such, backups can run continuously, eliminating the concept of a "backup window" where users and applications can't otherwise access data.

Search

A key problem with enterprise network attached storage (NAS) is not knowing what's there. The Igneous scale-out index store provides integrated search and discovery of all file data on primary, secondary, and cloud storage tiers.

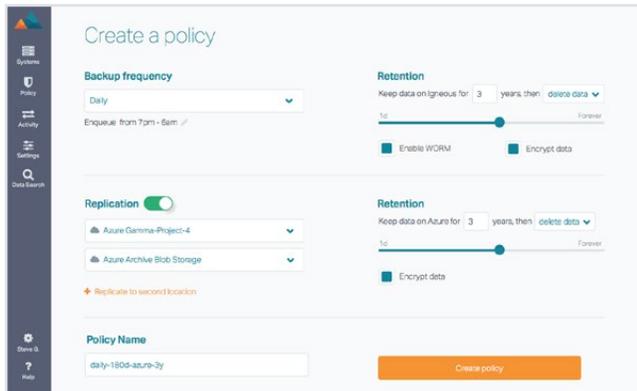
Cloud integration

To constrain datacenter footprint and provide long-term archive storage, Igneous automates tiering or replication to Microsoft Azure.

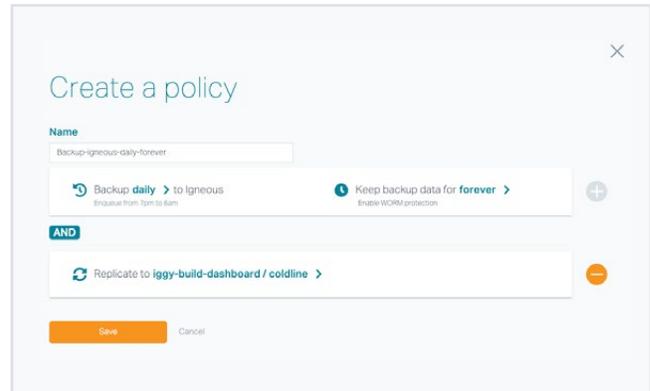
Policy Driven Data Protection and Archive

Enterprises want to keep up-to-date copies of data in the cloud for easy restore of data, low-cost archive and to support disaster recovery strategy. Azure Archive provides an economical solution to prepare for the worst and protect your business against data loss. Igneous makes both tiering and data replication to Azure easy. IT can set policies to tier data for archive or replicate data with our user-friendly interface. Backups run automatically in the background without impacting performance, saving IT time and reducing user frustration.

Whether you use Archive Blob Storage for archiving or data replication, Igneous streamlines the process with our modern backup and archive solution.



Replicating Backups to Azure Archive Blob Storage



Tiering Backups older than 180 days to Azure Archive Blob Storage

Backup Features:

- API integration with Dell EMC Isilon, NetApp, Pure Storage FlashBlade, and Qumulo QF2 with support for multi-protocol permission recognition in mixed-mode storage
- Highly parallel data movement and scan operations without application impact
- Baseline and then "Incremental Forever" backups run quickly and efficiently
- "Virtual Full" restore interface presents complete view of data at any point in time
- Restore back to NAS with all metadata and file permissions intact
- Write-Once Read-Many (WORM)
- End-to-end compression for throughput and storage efficiency
- Immutable objects with versioning
- Comprehensive activity logging and audit trails

Archive Features:

- Automated archiving job management
- Archive data at the system, export, or directory level
- 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 Azure allows for expiration of versions
- Cloud storage integration with Microsoft Azure Blob Storage
- Efficient data movement to cloud storage
- Replication between Igneous and cloud storage locations for off-site redundancy
- Search the Igneous InfiniteINDEX to restore with enforced file permissions to restore with enforced file permissions

About Igneous:

We deliver the only UDM as-a-Service solution enabling data-centric organizations with visibility, protection and data mobility at scale, wherever datasets and workflows live. Our customers see, organize and understand all of their unstructured data – anywhere. Our customers protect petabytes of data on a single cloud-native platform – at scale. Our customers automate movement of datasets – for everyone needing them. We combine all UDM functions into a single, API-enabled, cloud native solution.

To learn more about the Igneous and Microsoft Azure backup and archive workflow, contact us:

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