



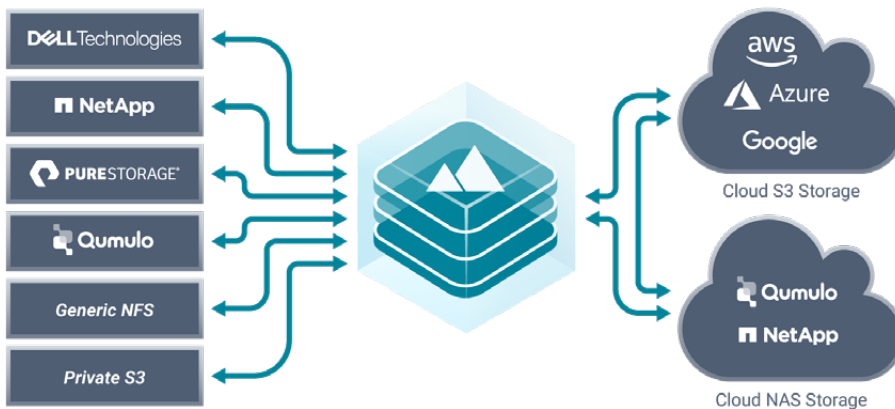
# Anywhere-to-Anywhere Data Mobility with Igneous DataFlow

Workflows shouldn't have to wait for data movement.  
Don't let legacy tools hold you back.

Data growth across the board is putting new pressures on enterprise IT. As they incorporate flash and hybrid storage into onsite infrastructure, and as they increasingly turn to cloud-based processing and storage, the one-size-fits-all NAS model is not applicable anymore. No longer limited to NAS-to-NAS migrations, data movement is now a critical part of everyday lifecycle management for those with petabytes of unstructured corporate data.

The scale of data often causes legacy data-movement techniques to fail. They either depend on costly vendor-specific tools that restrict cross-vendor platform and cloud movement, or they use open-source tools that require significant configuration and were designed for one-and-done data movement, not sustained daily operations. These approaches also require significant operational monitoring and troubleshooting, and can impact production systems under load.

Engineered for the scale and flexibility of today's workflows, Igneous DataFlow moves data between any tier and any location. Vendor-agnostic and fully integrated with every type of cloud storage, DataFlow eliminates the bottlenecks of legacy tools, fueling the data-movement pipeline that modern enterprises need to drive innovation and opportunity.



## Speed, Simplicity, and Scale

DataFlow automates the movement of any amount of data, enabling enterprises to simplify even their largest migration tasks, quickly and reliably, from any NAS to any cloud endpoint and back again.

Engineered specifically to address the challenges of moving data at scale in the modern distributed enterprise, DataFlow simplifies any data-movement operation – NAS replacements, cross-site data movement, cloud file system and cloud object migrations – by moving data at network speed from where it is to where it needs to be.

## KEY BENEFITS

### Anywhere to anywhere

Igneous DataFlow supports data movement from any source to any target, whether for NAS replacements, cloud-based workflows, or cloud-based storage.

### Data movement at any scale

Using Igneous' proven data-movement engine, DataFlow automatically optimizes its throughput for both large and small files, and moves data in parallel streams to maximize throughput across any network.

### Simplicity and stability

Only DataFlow offers the ability to coordinate complex, high-speed data migrations – e.g. local NAS to cloud-based NAS, or from S3 cloud storage back to another local NAS – from a single management point. Only DataFlow can do all this without impacting production workflows and without the 24x7 operational monitoring that comes with other tools.

### Eliminating vendor lock-in

With its native compatibility with all NAS platforms and protocols, and with all public-cloud storage services, DataFlow frees enterprises from costly licensing agreements and vendor lock-in. DataFlow delivers the low cost and universal interoperability of open-source utilities and the high throughput and stability of vendor solutions.

### Operational flexibility

DataFlow's intuitive user interface means that data can be configured to move from any point to any point – whether used for hybrid workflows like AI/ML, high-performance compute and DataLakes, or for a simple NAS replacement – with equal ease.

## Data Migrations – Anywhere to Anywhere

As NAS solutions evolve into all-flash, hybrid, and disk platforms, and as cloud compute and storage are increasingly incorporated into IT operations, data pipeline management is becoming a critical process in overall data lifecycle management. Data needs to move, and enterprises need the flexibility to get data from any source to any target.

Some need to move data from local NAS storage to cloud-based NAS systems for processing and analysis, and find themselves having to choose between more complexity and less reliability for standard file-migration utilities like rsync, or more complexity and higher cost for a vendor-based option.

Other enterprises want to make use of cloud capacity only – for large data cloud bursting, data lakes, a temporary overflow, or for long-term deep storage. Object storage is ideal for situations like this, but as with the other use cases, options for moving data at scale from NAS to object are limited. Typically, the fast options are costly, and the no-cost alternatives are slow.

Even local NAS-to-NAS migrations require a platform-independent, high-speed solution to move data from source to target. Whether for re-tiering data as part of its normal lifecycle, or as a one-off operation to update aging NAS equipment, IT needs fast, reliable data movement that preserves file permissions as well as data structures.

Vendor-specific tools provide the level of throughput needed for moving data at scale, but they don't work with other vendors' systems. The licensing costs for these tools can also be very unattractive for moving large amounts of data.

Any of these scenarios are ideal for Igneous DataFlow. The multi-threaded engine moves data in parallel streams to maximize network throughput, and is universally compatible with every NAS architecture – including cloud-based NAS storage like Qumulo and NetApp Cloud Volumes – plus every public cloud platform.

## Right Data, Right Place, Right Time

Igneous DataFlow is uniquely positioned for the modern enterprise. Engineered to move data in petabyte-scale environments, natively compatible with any NAS system, DataFlow supports all file and object protocols, and integrates with all public cloud platforms. DataFlow simplifies operations, eliminates vendor lock-in, and lowers costs. Whether as a standalone solution or used in conjunction with Igneous DataDiscover and Igneous DataProtect, DataFlow simplifies and streamlines data movement from any NAS to any NAS, to and from any cloud, with the set-it-and-forget-it simplicity of Igneous' as-a-Service model.

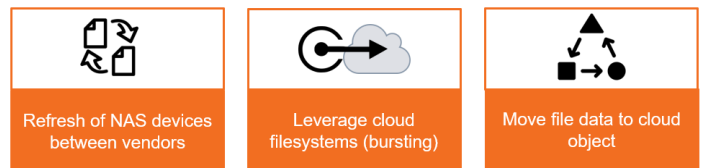
## About Igneous

Igneous is the SaaS data management solution for file intensive environments. Data-centric enterprises trust Igneous to provide visibility, protection, and movement at scale. The 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 unstructured data management is uniquely architected for the scale and performance of the modern enterprise environment.

**The right data, in the right place at the right time. Find out more at [igneous.io](https://www.igneous.io)**

**To see how Igneous DataFlow can benefit your organization, contact us:**

**1-844-IGNEOUS / 206-504-3685 / [info@igneous.io](mailto:info@igneous.io) / [www.igneous.io](https://www.igneous.io)**



### Configure migration

**Source**

System:  >

Export/Share:  NFS >

**Backups**

⚠ Backups are linked to the export of origin

No usage data

**Target**

System:  >

Export/Share:  NFS >

**Frequency** ⓘ

Daily > at 2 am >

Start Immediately

Fully cloud-ready and platform agnostic, Igneous DataFlow can easily move data from NAS-to-NAS, or from NAS to cloud, with equal ease.