



Leading Research Institute Uses Igneous for Backup to GCP Archive Tier

The Challenge: Legacy Tools Slowing Down Cloud Adoption

As one of the largest genomic research institutes in the world, this life sciences organization understands the challenges of managing unstructured data at scale. Over the past 10-15 years it has invested significant time and resources building and maintaining scripts using open source tools to move data into Google Cloud Storage. However, their ongoing lack of data visibility across 25 petabytes of NAS made it difficult to understand what data is being used and what's not. This lack of insight limited their ability to find the right data to move to the cloud.

The institute had been struggling with their 'home grown' scripting for long enough and started to look for technology that could quickly scan and visualize their massive unstructured data environments. As part of this process, the institute evaluated several data management platforms in search of a solution that did not require more hardware or datacenter space and could be quickly deployed in days, not weeks or months.

The Solution: Better Visibility, Smarter Backups, and Faster Movement with Igneous

Igneous was the only 100% software-based solution that could provide visibility, copy data in native formats, and back up their data to any cloud tier - all in a single unified platform.

With no hardware required, Igneous was also the fastest deployment option for the institute. All the other solutions they looked at require hardware to manage petabyte-scale data. For example, with Cohesity they would have needed 7 or 8 additional nodes, plus physical datacenter space for the nodes and supporting infrastructure.

With Igneous, there was no waiting for the delivery or deployment of hardware, and no datacenter space required.

The Result: Reduced Hardware Footprint and Faster Data Movement to GCP Cloud

Using Igneous, the institute was able to move 3.37 petabytes of data to GCP Archive class storage in only 3 weeks.

In addition to faster data movement, by eliminating their dependency on hardware replication with Isilon SyncIQ, the institute has seen a massive 64% reduction in storage costs - that's a projected ROI of \$8.5M over 5 years.

Better visibility has also dramatically improved the IT team's ability to share insights with their research teams.

LOCATION

Cambridge, MA

INDUSTRY

Research & Life Sciences

EMPLOYEES

2500

GOALS

Reduce hardware footprint and migrate data faster to GCP cloud

DATA FOOTPRINT

25PB on premises, 50PB in Google Cloud

WHY IGNEOUS

- Reduced storage costs 64% by replacing their Isilon SyncIQ replication solution
- Backed up 3.37PB of data to GCP Archive class storage in 3 weeks
- Enabled shutdown of an entire Isilon secondary datacenter
- Reduced operational complexity with a 100% software-based solution

PRODUCTS USED

- Igneous DataDiscover
- Igneous DataProtect
- Igneous DataFlow

Contact Igneous

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