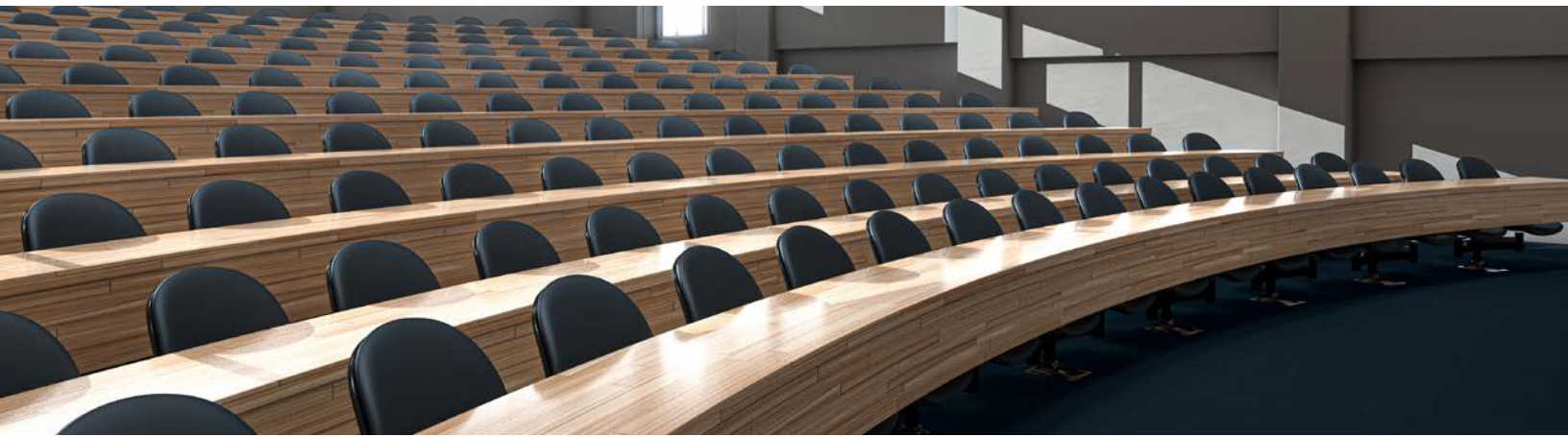# Nasuni for Higher Education and Research Institutions

Solving Google Drive challenges and limitations with Nasuni for Google Cloud

Overview

The Google Workspace for Education program has proven to be instrumental for higher education and research institutions, providing them with Google Workspace at no cost. Faculty, students, and researchers have benefited from Gmail, Calendar, Google Meet, and Google Drive as part of Google's productivity and collaboration suite.

One of the core collaboration tools, Google Drive, historically provided unlimited storage that universities used for faculty departmental file shares, research data, and individual file storage for faculty and students. **In November 2022, Google announced a change to its no-charge offering by limiting Google Drive storage to 100TB of pooled storage for each institution.** Student, faculty, and research data stored in Google Drive that exceeds the pooled 100TB limit will now incur extra charges that can be significant.

Google Drive Cap Challenges

With this cap in place, institutions have three options. One, they can choose to pay overage charges associated with exceeding their storage limit. This approach is not ideal due to the potentially long retention times related to research, staff, faculty, student, and alumni data and the long-term Google Drive costs this would incur. Two, they can work to stay under the 100TB limit by notifying users their data will be deleted. This approach, while cost-effective, may hurt an institution's reputation with students and impact how alumni and donors interact with the institution over the long term.

A Third Option

Higher education and research institutions now have a third option, Nasuni for Google Cloud. The Nasuni File Data Platform provides an alternative to costly overages. By enabling institutions to migrate their Google Drive data to Nasuni using Google Cloud object storage, higher education institutions can stop paying Google Drive overage charges while at the same time take advantage of extremely cost-effective cloud-native file storage built on Google Cloud's infinitely scalable and highly-durable object storage.

Shifting your Google Cloud Drive data to Nasuni for Google Cloud provides your institution with a cost-effective, limitless way to store, protect, and share data across all university stakeholders now and in the future.

IT GETS EVEN BETTER!

Google Cloud provides egress waivers for educational institutions that are members of Internet2 or GÉANT NRENs.

While Nasuni on Google Cloud is extremely cost-effective, the Google Cloud egress waiver makes Nasuni for Google Cloud cost even less.

For details, visit:
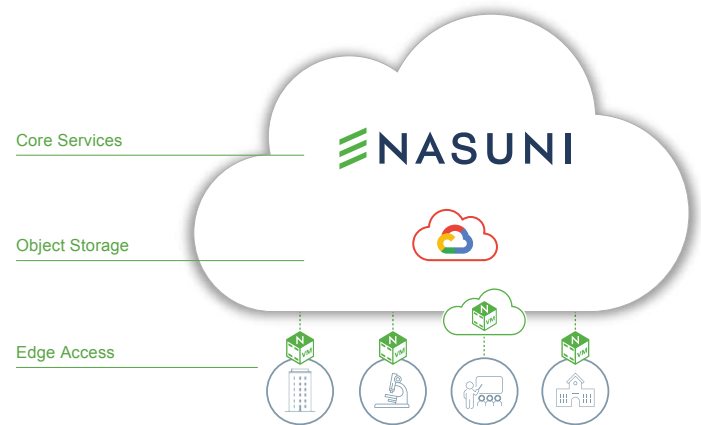https://cloud.google.com/billing/docs/how-to/egress-waiver

The Solution

The Nasuni File Data Platform enables higher education and research institutions to consolidate all their file data in easily expandable, highly-durable Google Cloud object storage at a fraction of the cost of on-premises or other cloud solutions, including Google Drive.

It provides a cloud-native replacement for traditional network-attached storage (NAS) and file server infrastructure, but with advanced capabilities including file storage, backup, ransomware protection, and file access for workers at remote locations.

The Nasuni approach to file data services creates a scalable, innovative platform for higher education and research institutions that want to accelerate their digital transformation, secure their file data, respond to growth, and achieve greater data insights compared to other solutions on the market.

Nasuni for Google Cloud

File Data Services Designed for Google Cloud

Unlimited File Storage
Nasuni uses the native scalability of cloud object storage to provide durable, protected capacity to any number of locations and users.

Ransomware Detection and Protection
The Nasuni Ransomware Protection service provides a highly effective and integrated solution for protecting, detecting, and recovering from ransomware at the edge before it infects an entire environment.

Unlimited Backup and Rapid Restore
Nasuni Continuous File Versioning™ makes file backups frequent and automatic with predictable RPOs and RTOs. Millions of files can be restored in minutes to every location.

File Synchronization
File synchronization provides automated, no-maintenance synchronization of millions of file changes per hour. The result is increased productivity for the whole organization without an expensive infrastructure investment.

External Secure Access
Nasuni Access Anywhere delivers high-performance file access for remote and hybrid users and productivity tools that let them manage and share files from anywhere.

Multi-Site Collaboration
The Multi-Site Collaboration service provides faster data propagation and reduced version conflict, increasing productivity across multiple locations for any size files.

Mac, Windows, and Linux Support
Nasuni supports file access through standard SMB (CIFS), NFS, FTP/SFTP, and HTTPS file-sharing protocols. Nasuni supports Windows, Linux, and advanced support for extended macOS file attributes and metadata, enabling easy file sharing across all environments.

Near-Zero Cloud Latency
Nasuni Edges are extremely efficient virtual appliances that provide up to a 98 percent cache hit rate, giving users and applications LAN-speed access to files. Nasuni Edges reduce the file storage infrastructure footprint by up to 90 percent, lowering costs and eliminating time spent managing local file servers.