

# Nasuni for Pharmaceuticals



## Faster Collaboration

between global research and manufacturing locations

## Unlimited Cloud Storage On-Demand

in Microsoft Azure, AWS, IBM Cloud, Google Cloud or others eliminates on-premises NAS & file servers

## 50% Cost Savings

when compared to traditional NAS & backup solutions

## End-to-End Encryption

secures research and manufacturing data

## 15-minute Disaster Recovery

capabilities at all global locations

## Transformative Data Insights

through a cloud analytics connector

## Accelerate Research Collaboration with the Power of the Cloud

Now more than ever, pharmaceutical companies need to collaborate efficiently across research and development centers, manufacturing facilities, and regulatory management centers. Critical research and manufacturing processes generate terabytes of unstructured data that needs to be shared quickly — and protected securely.

For IT, this requirement puts a tangible stress on traditionally siloed storage hardware and network bandwidth resources. Supporting unstructured data sharing forces IT to add storage capacity at an unpredictable rate, then bolt on expensive networking capabilities. Yet failing to keep up can impact both business and research progress. Long delays waiting for research files and manufacturing data to transfer over the WAN are not acceptable in today's competitive environment.

File growth also strains existing backup and disaster recovery (DR) plans. Large data sets are difficult to back up within a reasonable window, yet it is vital to protect them. Full DR for research file infrastructure is expensive to set up and test, but the loss of research or manufacturing data due to an outage can cost millions of dollars.

## Nasuni Cloud File Storage for Pharmaceuticals

Major pharmaceutical companies have solved their unstructured data storage, sharing, security, and protection challenges with Nasuni.

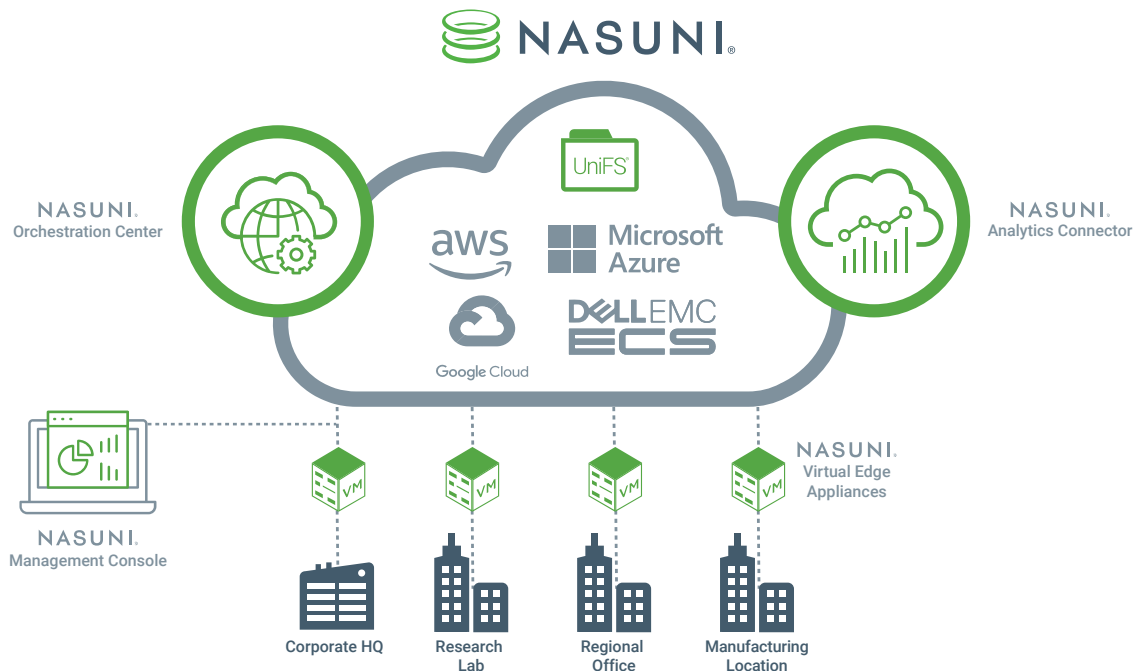
## Immutable Storage in the Cloud

Nasuni enables pharmaceutical companies to consolidate all their file data in cloud object storage (e.g. Microsoft Azure Blob Storage, Amazon S3, Google Cloud Storage) instead of trapping it in silos of traditional, on-premises file servers or Network-Attached Storage (NAS). Free from physical device constraints, the combination of Nasuni and cloud object storage offers limitless, scalable capacity at lower costs than on-premises storage.

## Capacity on Demand — Everywhere

Every office and research site can take advantage of limitless storage capacity while retrieving frequently accessed files at LAN speed. Lightweight Nasuni Edge Appliances, which cache active files on-premises, provide fast, local access.

*Nasuni eliminates the need for traditional backup and the constraints of the backup window.*



*Automated snapshots taken in predetermined intervals enable files or volumes to be restored to virtually any point in time.*

### Backup Without Limits

Nasuni eliminates the need for traditional backup and the constraints of the backup window. Automated snapshots taken in predetermined intervals enable files or volumes to be restored to virtually any point-in-time. Traditional backup software, media servers, tapes, and archival storage, along with their high costs, are eliminated. Recovery points (RPOs) are reduced to minutes, and recovery times (RTOs) are reduced to seconds, regardless of file size.

*Files are encrypted locally and remain encrypted in transit and while stored in the cloud.*

### End-to-End Encryption

In addition to limitless backup, Nasuni encrypts files from end-to-end, using military-grade encryption. Files are encrypted locally and remain encrypted in transit and while stored in the cloud. Only the Nasuni client controls encryption keys, which is why Nasuni is used by many healthcare companies in HIPAA compliant solutions.

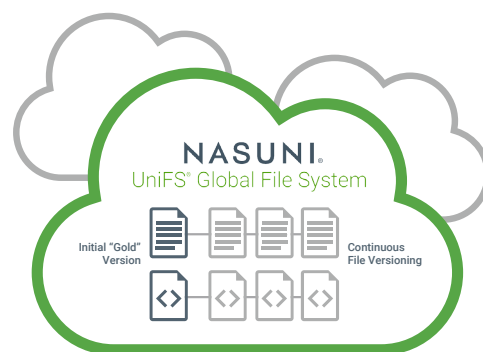
*Nasuni accelerates collaboration and research projects, using the power of the cloud to synchronize files across all sites.*

### Fast Disaster Recovery

A site outage, regional disaster or distributed disaster can cause costly project interruptions, but Nasuni provides every location with 15-minute disaster recovery. Should one site go down — or, in the case of a ransomware attack, all your sites — a new instance of that site, complete with files that were being worked on, permissions and capacity, can be set up quickly and efficiently.

### Effortless File Sharing

Nasuni accelerates collaboration and research projects, using the power of the cloud to synchronize files across all sites, and by storing a single gold copy of every file version in the cloud. Patented synchronization technology can reduce transfer times for large files from hours to minutes or seconds, and all sites can access the latest copy of every file, eliminating duplication and time loss.



In addition, patented Nasuni Global File Lock® technology ensures that two people (even in different countries) cannot edit a file at the same time, eliminating version conflict.

## Nasuni Capabilities for Pharmaceuticals

Nasuni is designed for global organizations that operate in multiple locations and want to take advantage of next-generation file services.



**Unlimited File Storage Capacity**— End users will never again complain they are out of file server space.



**Global File Synchronization** — Users can access the latest versions of all files from any location.



**Local Network Speed** — Users will continue to enjoy fast file access at local network speeds.



**Global File Locking** — Researchers and scientists will be protected from simultaneously editing the same file, overwriting each other's changes, and creating version conflict.



**Built-in Backup**— File changes are continually captured in all locations for fast, any point-in-time recovery.



**Disaster Recovery** — File access can be restored in as little as 15 minutes after a site outage.

## Data Insights

The Nasuni platform turns file data into insight by tapping into leading-edge analytics, search, and AI services being created by cloud providers like Google Cloud, AWS, and Azure. These services open a host of insights and powerful analytics to be able do things like pattern recognition, genomic sequencing, and advanced classification of research.



## About Nasuni

Nasuni® is a file services platform built for the cloud, powered by the world's only global file system. Nasuni consolidates Network Attached Storage (NAS) and file server silos in cloud storage, delivering infinite scale, built-in backup, multi-site file synchronization, and local file server performance, all at half the cost of traditional file infrastructures. Enterprises use the Nasuni software-as-a-service platform for NAS consolidation; backup and recovery modernization; global file sharing; and rapid, infrastructure-free disaster recovery, and as a foundation for data analytics.