

Data Sheet

Nasuni Enterprise File Services

A global file system for cloud storage that enables files to be stored and synchronized across all locations at any scale..

Solution Overview

Cloud storage offers enterprise IT organizations the promise of a more scalable, cost-effective, and easier to manage platform for meeting file growth needs.

Nasuni® Enterprise File Services fulfils this promise with a global file system for cloud storage that enables files to be stored and synchronized across all locations at any scale.

IT is relieved of NAS, file server, backup, archive, DR, and remote access pains, while end users gain the ability to collaborate on files from any location with maximum performance.

What is Nasuni File Services?

Nasuni is a software as a service platform offering highly scalable file storage, global file synchronization, advanced data protection, and simple file management in one unified solution.

Powered by the Nasuni UniFS® global file system, Nasuni file services stores unstructured file data in object storage from Microsoft, Dell EMC, IBM, Amazon, and other leading cloud storage providers, while caching actively used data wherever it is needed - on-premises or in the cloud - for high performance access.

This flexible, transformational approach combines the limitless scalability of object storage with the security and performance of local file servers.

How Do Enterprises Use Nasuni?

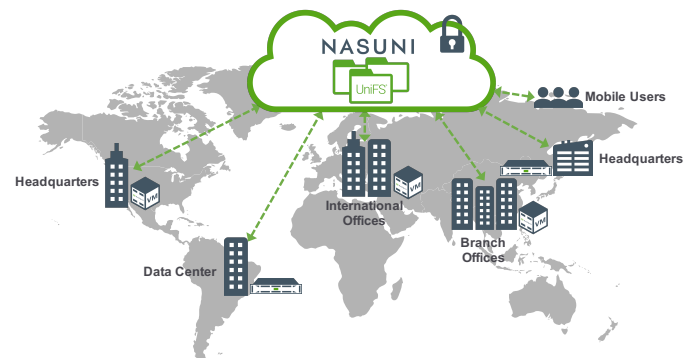
Nasuni is used for two primary use cases:

Multi-Site File Collaboration

Nasuni boosts the productivity of distributed teams by enabling them to seamlessly share CAD, PLM, Adobe Creative Cloud, multimedia, and other large file types across all locations, at any scale.

NAS and Remote / Branch Office File Server Consolidation

Nasuni reduces the cost and complexity of managing multiple NAS devices and Windows and Mac file servers in multiple locations, and eliminates the cost and complexity of file backup, archive, and disaster recovery.



Nasuni File Services, powered by the Nasuni UniFS® global file system, enables enterprises to store and synchronize files at any scale.

Why Use Nasuni?

Unlimited Capacity – The Nasuni UniFS® global file system scales without limits in cloud object storage. File storage capacity for group shares, project directories, and home drives is limitless. There is also no limit to the number or size of directories and files. Provisioning new capacity is simple and immediate; simply increase the cloud storage and Nasuni subscription.

High Performance File Access – Nasuni Edge Appliances can be deployed in any location to cache actively used files from cloud storage. They look like regular file servers or NAS devices, presenting shares via standard protocols (e.g. CIFS, NFS) for high speed file access, yet they require, on average, only 20% of the hardware resources. Intelligent algorithms yield cache hit rates of 98.5%, minimizing cloud egress charges and ensuring fast file access. Choose from flash-optimized physical appliances from Nasuni or use your own hyperconverged infrastructure or flash arrays as virtual edge appliances.

High Performance File Synchronization – The Nasuni Operations Center synchronizes file changes across all edge appliances using affordable, high speed cloud bandwidth. Nasuni Global Volume Manager™ aligns all changes from all locations by sequencing the file deltas in object storage, creating an immutable version history of all files that can be retrieved at any time.

Conflict-Free File Collaboration – Nasuni Global File Locking™ ensures only one user in any location can write data at a time, minimizing the threat of data loss due to version conflicts.

Advanced Data Protection – Nasuni Continuous File Versioning™ automatically captures files as they change, efficiently storing the deltas in object storage. Any version of any file can be recovered in minutes through self-service or IT interfaces for advanced RTOs and RPOs. The cost and complexity of separate file backup infrastructure—software licensing, maintenance, hardware, and media—are eliminated.

Strong Security – Users connect to edge appliances using existing Active Directory or LDAP credentials for secure file access. All data is encrypted on the edge appliances using the AES standard before being sent to object storage. Customers hold the encryption keys, so neither Nasuni nor the cloud storage provider can "see" the data, keeping it secure at rest and in transit.

Fast, Affordable Disaster Recovery – Nasuni UniFS stores all files and metadata in cloud object storage, which automatically stores multiple copies in geo-redundant locations. Should a disaster occur, Nasuni Edge Appliances can be created in minutes in any location with a connection to object storage or in the cloud to restore file access. Business continuity can be ensured without the high cost of dedicated DR sites, duplicate file infrastructure, and remote access.

Active Archiving – Files are automatically deleted from edge appliances over time as they age, leaving them only in object storage. As soon as they are accessed again, UniFS restores them to edge appliances, providing fast access to the archived data.

Centralized Management – All edge appliances, volumes, shares, and protocols can be centrally configured and managed through the Nasuni Management Console.

Flexible File Access – Files can be accessed anywhere through Windows, Mac, Android, iOS, and web-based clients. Links can be shared with internal and external users and can be set to expire after a specified time for more secure external user access.

Deployment Flexibility – Nasuni can be deployed entirely on-premises using private cloud object storage; as a hybrid cloud solution using public cloud object storage with on-premises Nasuni Edge Appliances, or entirely in the cloud using public cloud object storage with cloud-based, virtual edge appliances.

Cloud Storage Flexibility – Nasuni is powered by cloud storage from leading vendors. Choose any of these public or private cloud storage platforms or use more than one at the same time to keep your options open.



Microsoft Gold Partner; named 2017
Azure Global ISV of the Year.



Preferred global file system for Dell
EMC ECS.



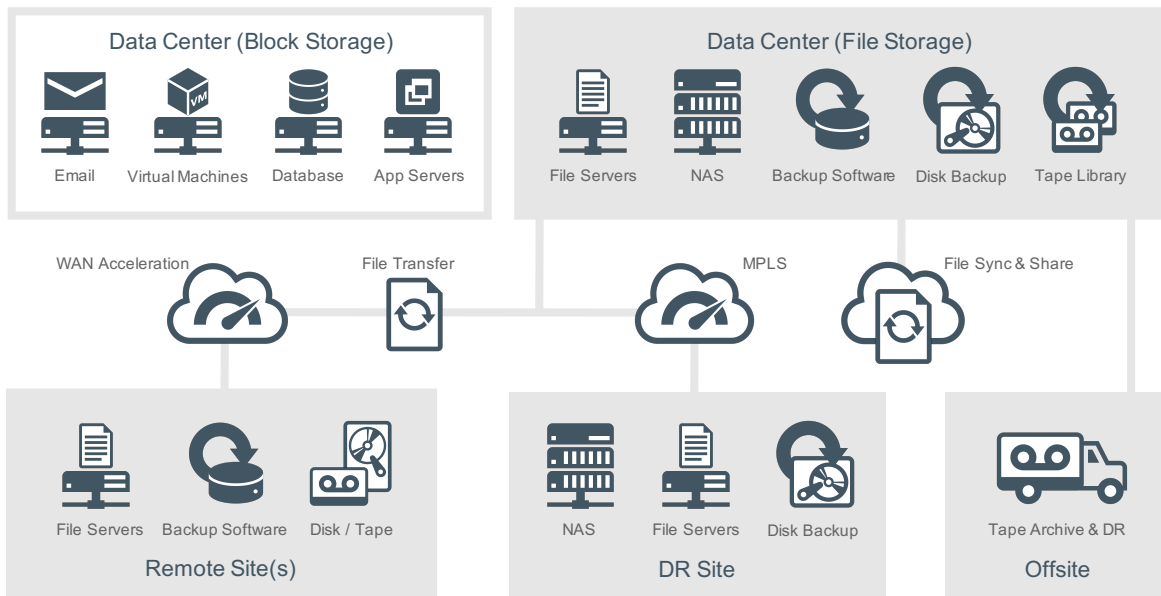
Amazon Partner Network member and
certified with Amazon S3.



IBM Business Partner; global reseller
agreement as preferred file system for
IBM Cloud Object Storage.

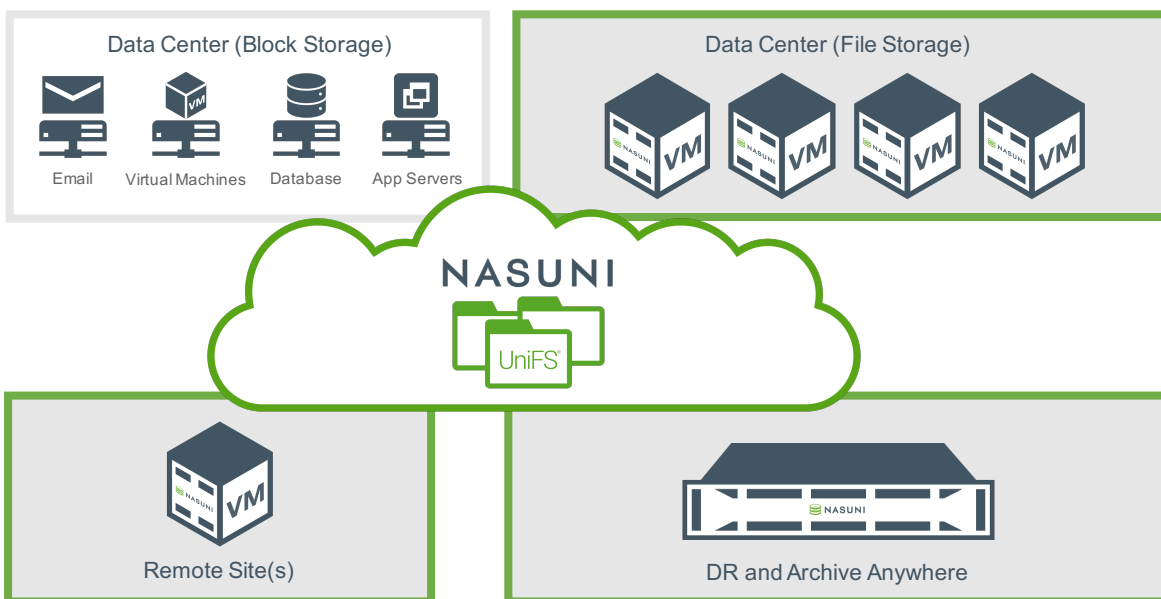
How is Nasuni Different than Traditional File Infrastructure?

Traditionally, silos of distributed file servers and NAS – along with associated data protection infrastructure – must be built in every office where users need to store and access files. Enabling collaboration on files across offices requires even more cost and complexity and is often unattainable once the number of locations exceeds five.



Before Nasuni - traditional file infrastructure is complex, costly, and difficult to scale

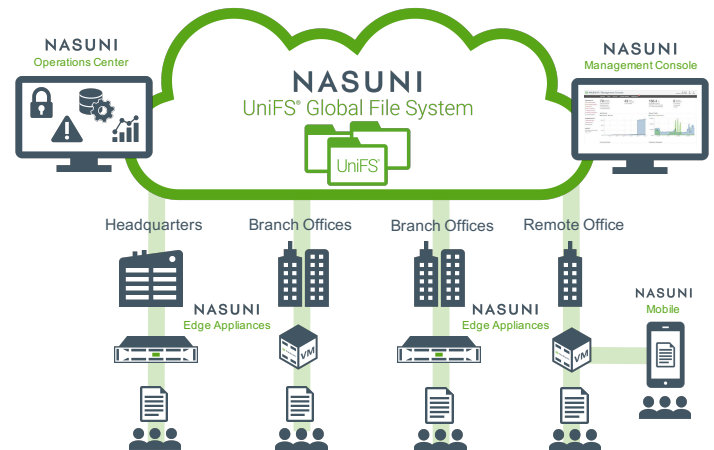
By storing all enterprise files in an object storage-based global file system and caching just the active files and metadata on edge appliances wherever high-performance access is needed, Nasuni transforms file storage into a cloud-scale service.



After Nasuni – modern file infrastructure is cost-effective, simple, and infinitely scalable

What Does Nasuni Include?

The Nasuni file services platform includes everything needed to scale file storage to petabytes of capacity across any number of locations. The Nasuni UniFS global file system stores all files and metadata in private or public cloud object storage. Nasuni Edge Appliances cache active data in any location for high performance access. The Nasuni Operations Console synchronizes files across all edge appliances and administers Global File Lock. The Nasuni Management Console provides central management of edge appliances, protocols, and shares. Lastly, Nasuni Mobile offers 24x7 access through iOS, Android, and web clients.



How Does Nasuni Align Business and IT Objectives?

For Lines of Business

Nasuni boosts workforce productivity and ensures business continuity. Nasuni enables business users to:

- Open critical application files and synchronize them across all locations with high performance.



- Shift workloads to different offices to take advantage of excess capacity, special expertise, or lower costs.
- Accelerate product time-to-market and project completion by streamlining product life cycle management (PLM), business information model (BIM), and creative workflows.
- Streamline integration of acquired companies by quickly ingesting new file data and giving acquired offices instant access to parent data.

For IT

Nasuni reduces costs by an average of 60%, while freeing administrators from the traditional pains of unstructured data management. Nasuni enables IT to:

- Reduce on-premises file storage and associated floor space, power and cooling up to 80%.
- Eliminate file backup software maintenance, hardware, and media costs, as well as the operational costs of managing backups.
- Eliminate dedicated DR sites and the associated costs of hardware, replication, and backup.
- Reduce MPLS & WAN acceleration costs needed for cross-office file access.
- Restore access to file data in minutes after malware, Ransomware, accidental deletions or major disasters.
- Simplify management of appliances, shares, volumes, and protocols.
- Give users the unlimited file storage capacity and performance they need to drive business outcomes.

About Nasuni

Nasuni enables enterprises to store and synchronize files across all locations at any scale. Powered by the Nasuni UniFS® global file system, Nasuni file services stores unstructured data in object storage from providers such as Amazon, Dell EMC, IBM, and Microsoft, while caching actively used data wherever it is needed – on-premises or in the cloud – for high performance access. By using Nasuni to collaborate on files across multiple sites and consolidate Network Attached Storage (NAS) and remote office file servers, customers maximize workforce productivity while reducing IT cost and complexity.