

NASUNI COLLABORATE

The modern, cloud-based solution that globally locks files for multi-site collaboration without version conflict.

Solution Overview

NASUNI COLLABORATE is the modern, cloud-based solution that globally locks files for multi-site collaboration without version conflict. NASUNI COLLABORATE is part of the Nasuni® Cloud File Services™ product family, a consolidated platform that enables enterprises to store, protect, synchronize, and collaborate on unstructured file data at scale, and that automatically reduces costs as files age so data never has to be migrated again.

With NASUNI COLLABORATE, business users who need to work in different locations on the same Adobe Creative Cloud, CAD, BIM, Office, and other application files can do so knowing only one user can modify any given file at a time. IT is relieved of the pain of resolving version conflicts and managing file replication.

What is NASUNI COLLABORATE?

File locking on disk storage devices has existed since the first generation of file systems. It was designed to prevent the unintended data corruption caused when multiple editors simultaneously modify the same file.

NASUNI COLLABORATE, powered by Nasuni's cloud-based UniFS® global file system, brings this same capability to public and private cloud (on-premises) object storage. Except Nasuni Global File Lock™ technology – implemented as a scalable cloud service – is not limited to a single device or cluster but can instead transparently span any number of locations.

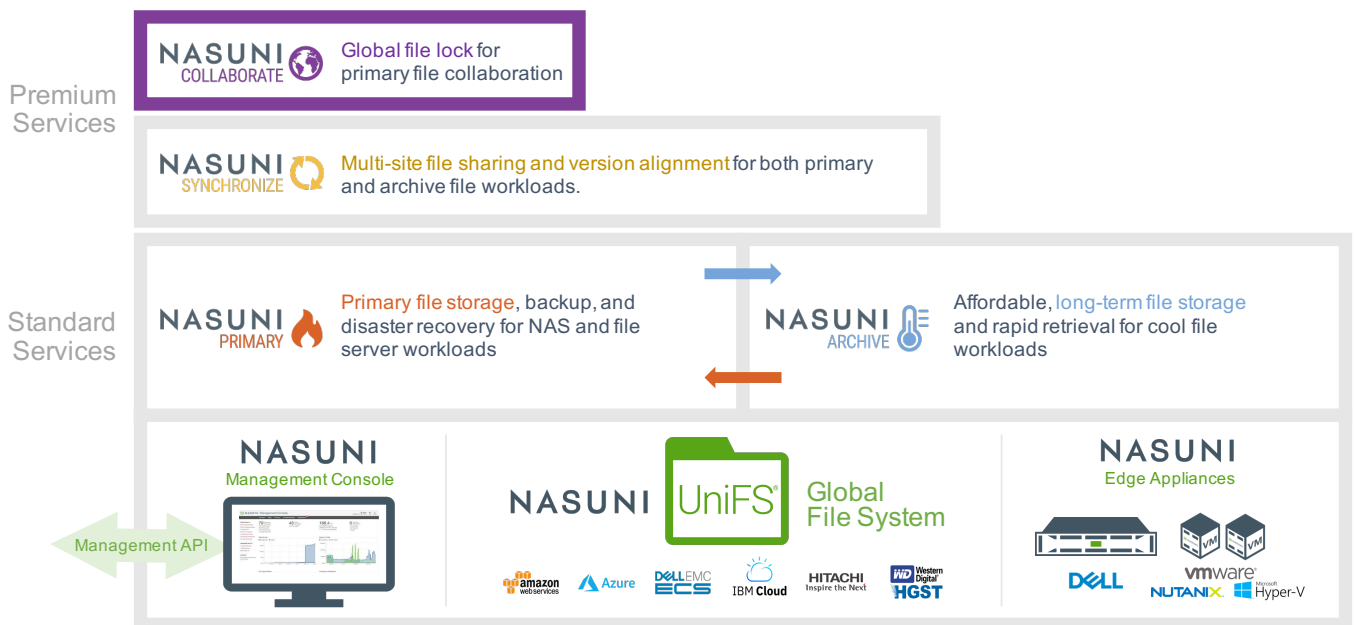
NASUNI COLLABORATE is a premium Nasuni service that requires NASUNI PRIMARY and NASUNI SYNCHRONIZE as prerequisite purchases.

NASUNI PRIMARY is primary file storage, backup, and disaster recovery for traditional NAS and file server workloads.

NASUNI ARCHIVE is affordable long-term file retention and rapid retrieval for cool file workloads.

NASUNI SYNCHRONIZE extends the NASUNI PRIMARY and NASUNI ARCHIVE services with seamless file sharing across any number of locations.

NASUNI COLLABORATE extends NASUNI PRIMARY and SYNCHRONIZE with the ability to globally lock files.



NASUNI COLLABORATE is a premium offering of the Nasuni Cloud File Services platform. It requires the NASUNI PRIMARY and NASUNI SYNCHRONIZE services as prerequisite purchases.

How Does NASUNI COLLABORATE Work?

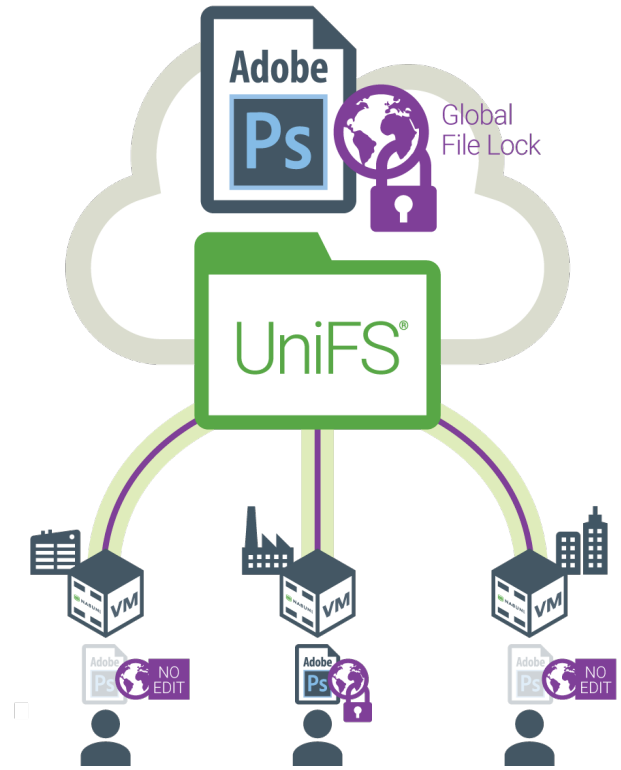
Modern enterprises are adopting object storage for its low cost, scalability, and durability advantages over traditional disk storage. To make object storage suitable to store files and offer collaboration features like file locking, a file system is needed.

However, because object storage is typically adopted by organizations with growing storage needs and multiple locations, simply extending device-based file locking to other storage devices using a master lock server creates network bottlenecks, introduces a single point of failure, and does not scale.

NASUNI COLLABORATE, powered by Nasuni’s patented **UniFS global file system** and featuring Nasuni Global File Lock™ (GFL) technology, is the first and only solution architected as a scalable cloud service, with redundant lock servers and automated lock server failover.

The cloud allows for a design that is globally available, infinitely scalable, and transparent to users and IT administrators. All Nasuni Edge Appliances that provides access to active files look to the redundant, cloud-based lock manager to establish, notify, and release all locks.

NASUNI COLLABORATE provides local-only locks equivalent to traditional NAS and multiple GFL modes that can be tailored to support highly collaborative, multi-user applications such as CAD, Business Information Modeling (BIM), and Product Lifecycle Management (PLM). All GFL modes are optimized to minimize latency and WAN traffic and ensure complete data security.



Nasuni Global File Lock™ technology ensures only one user can edit a file across all locations, enabling real-time collaboration without the data and productivity losses typically caused by version conflict.

Specifications

Cloud object storage	Public Cloud: Amazon S3; Azure Blob; Dell EMC Virtustream; Google Cloud Storage Private Cloud (On-Premises): Dell EMC ECS; Hitachi Object Storage; IBM Cloud Object Storage; Western Digital ActiveScale
Lock service	Amazon AWS
Lock servers	Amazon US East, Amazon US West, and Amazon Asia Pacific regions
Lock modes	Local; multiple GFL modes
Number of locations	Unlimited – locks can span any number of locations
Number of files	Unlimited – locks can be applied to any number of files
Conflict resolution	WORM storage model ensures no data is ever lost; Nasuni Global Volume Manager sequences all files according to date/time stamp; conflicting versions and original file presented in same directory for inspection and resolution by IT administrator or end user
Conflict notification	Automatically generated by Nasuni Management Console (NMC); other tools via NMC API
Lock administration	NMC enables IT to centrally break locks, restore any version of any file, and resolve conflicts in any location
Security	All locking traffic encrypted using AES 256 with customer-owned keys and one-way hash
Lock traffic	Use of public internet links offloads traffic from WAN
Licensing	Priced per TB; annual subscription; requires NASUNI PRIMARY and NASUNI SYNCHRONIZE as prerequisite purchases; cloud storage purchased separately



How Does NASUNI COLLABORATE Align Business and IT Objectives?

NASUNI COLLABORATE enables business users to:

- Improve productivity by being able to work on the same files from any number of locations without version conflict.
- Accelerate projects and streamline workflows by saving the time previously spent reconciling file changes and recovering overwritten work.

NASUNI COLLABORATE enables IT professionals to:

- Minimize the need to manage WAN acceleration, replication, remote access, and file transfer tools for multi-site file collaboration.
- Spend less time resolving data corruption issues related to file version conflicts.
- Achieve cloud-first objectives by trading in limited, device-based file locking for scalable, cloud-based global file locking.

About Nasuni

Nasuni provides the first multi-cloud platform that enables enterprises to store, protect, synchronize, and collaborate on unstructured file data as it transitions from actively used to inactive. Powered by Nasuni's patented UniFS® global file system, Nasuni Cloud File Services™ stores all files in private or public cloud object storage, caches active files wherever fast access is needed, and automatically correlates what customers pay with how they use their data. By eliminating the need for NAS, file server, backup, archiving, disaster recovery, and file synchronization solutions, Nasuni's consolidated platform improves workforce productivity, simplifies IT operations, and reduces IT costs. The world's largest companies in 12 industry sectors rely on Nasuni to maximize the business value of their file data and ensure business continuity. Nasuni operates globally from its worldwide headquarters in Boston and European office in London.

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Contact Us

www.Nasuni.com | Sales@Nasuni.com | +1.857.444.8500