NASUNI

Solution brief

Nasuni for architecture, engineering, and construction firms

Secure, modern file data services

Unique IT challenges

Supporting complex file workloads

Engineering and architecture design workloads use sophisticated, specialty software like Revit, BIM 360, AutoCAD, and many others, to generate large and complex files. These files represent the collective IP that needs to be protected from ransomware and disasters while simultaneously being shared between offices, agencies, subcontractors, and job sites.

Adapting to frequent mergers and acquisitions (M&A)

Mergers and acquisitions are common across the architecture, engineering, and construction industries, leaving IT leaders with data centers containing file servers, NAS systems, backup servers, FTP servers and disaster recovery hardware, spanning multiple vendors. Each merger brings hundreds of terabytes of files that need to be managed putting tangible stress on hardware and bandwidth resources across the environment, slowing down company integration.

At-a-glance benefits

- Ransomware protection and mitigation at the edge
- Simple, cost-effective capacity management
- Fast multi-site file access and sharing
- Operational simplicity, including M&A environments

Typical AEC use cases

- Workload support for popular software like Revit, BIM 360, AutoCAD, and more
- Fast multi-site sharing across design teams and remote sites
- Capacity management and data security across all companies and locations

Customer spotlight

Leo A Daly, a 100+ year old firm, switched to the Nasuni File Data Platform to:

- Reduce their storage hardware footprint by 67% across multiple locations
- Improve file synchronization by 5x
- Avoid $700k in backup hardware and license costs

LEO A DALY

Staying productive in the age of ransomware

Remote file-sharing workflows and M&A activity put firms in the crosshairs of ransomware hackers. File servers in remote locations, often unattended without the latest security updates, make them vulnerable entry points into the entire infrastructure. When an attack is eventually detected, it can take weeks to determine the affected files and restore clean versions. Meanwhile, engineers and architects lose hundreds of billable project hours until the files are restored.

> Nasuni was a true lifesaver when we were hit by ransomware. After containing the attack and figuring out what was impacted, we were able to restore all file data and our operations hardly missed a beat.
>
> **Stephen Held**, Vice President and Chief Information

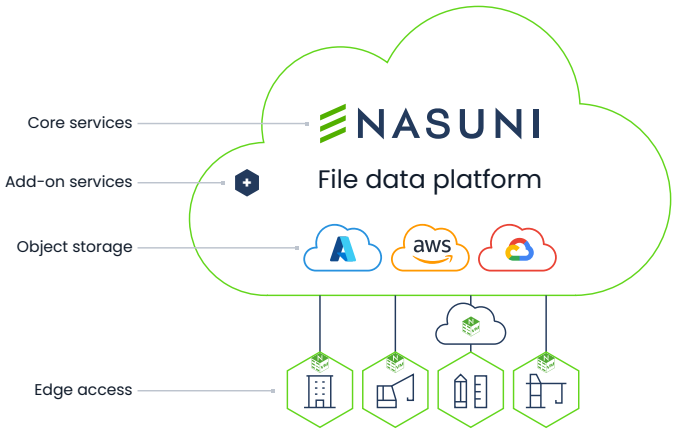
The solution

The Nasuni File Data Platform enables firms to consolidate all their file data in easily-expandable, highly-durable object storage such as Amazon S3, Microsoft Azure Blob, and Google Cloud Storage at a fraction of the cost of on-premises or other cloud solutions.

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. M&A events and risks are dramatically simplified by allowing the acquired company to "join" the Nasuni file platform, begin sharing files across organizations, and be immediately protected against ransomware.

The Nasuni approach to file data services creates a scalable, innovative platform for firms in architecture, engineering, and construction that want to accelerate their digital transformation, secure their file data, respond to business growth, and achieve greater data insights compared to other solutions on the market.

A new cloud approach for file infrastructure



Nasuni benefits for architecture, engineering, and construction firms

Unlimited file storage

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

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.

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.

Multi-site collaboration

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

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.

Near-zero cloud latency

Nasuni Edges are extremely efficient virtual appliances that provide up to a 98% cache hit rate, giving users and applications LAN-speed access to files. Nasuni Edges reduce the file storage footprint by up to 90%.

Global 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.

Multi-cloud flexibility

Nasuni supports Amazon S3, Microsoft Azure Blob, and Google Cloud Storage, as well as leading private cloud object storage solutions. Nasuni's easy cloud-to-cloud migration capabilities mean no lock-in with a single cloud provider.

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Nasuni is a scalable data platform for enterprises facing an explosion of unstructured data in an AI world, eliminating the choice between expensive tinkering or an overwhelming transformation of your entire data infrastructure.

The Nasuni File Data Platform delivers effortless scale in hybrid cloud environments, enables control at the network edge, and meets the modern enterprise expectation for protected, insight- and AI-ready data. It simplifies file data management while increasing access and performance.

Consolidate data, cut costs, and empower users – all while transforming your data from obstacle into opportunity.