/ SOLUTION BRIEF



Nasuni and Microsoft for architecture, engineering, and construction firms

The operational file layer for modern AEC teams

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.

/ 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.

At-a-glance benefits

- Ransomware protection and mitigation at the edge
- Simple and cost-effective capacity management
- Fast multi-site file access and sharing
- AI-ready design and project data

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

LEO A DALY

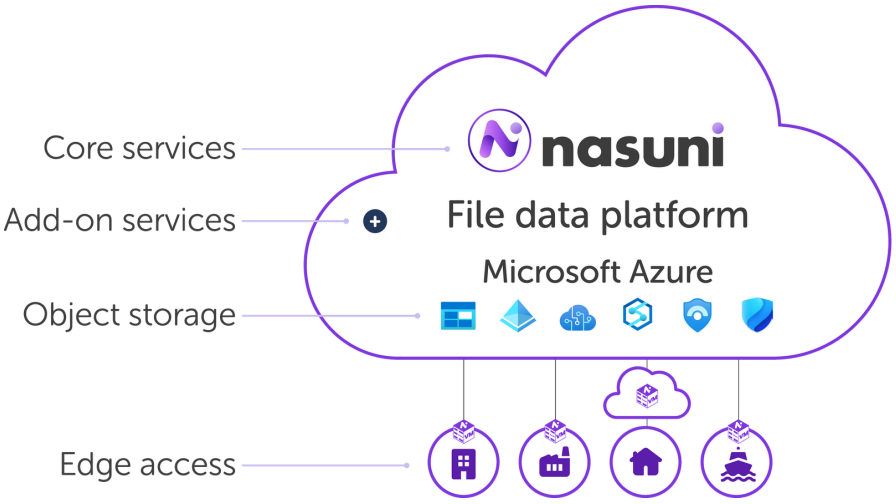
CUSTOMER SPOTLIGHT

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

"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 Officer



Deep integrations with Microsoft:

- Azure Blob Storage
- Azure AD
- Azure AI
- Azure Analytics
- Microsoft Sentinel
- Microsoft Defender

The solution

Nasuni is the unstructured data platform for AEC firms — powering the operational file layer where design, engineering, and project work happens. It enables firms to unify file data in highly durable Microsoft Azure Blob storage, at a fraction of the cost of on-premises infrastructure.

It provides a cloud-native replacement for traditional NAS and file server environments, with built-in capabilities including file storage, backup, ransomware protection, and high-performance access across distributed offices and job sites.

M&A events and risks are dramatically simplified by allowing acquired firms to quickly join a single global file system, share files across teams, and be immediately protected against ransomware.

The Nasuni platform creates a scalable, modern foundation for AEC firms to accelerate collaboration, reduce infrastructure complexity, and ensure their data is secure, accessible, and ready for AI-driven workflows.

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.

Secure, external access, without VPNs

Nasuni delivers secure, high-performance access to file data through Advanced Web Access and Active Everywhere, enabling users, teams, and systems to work from any location without the complexity of VPNs or legacy access tools.

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.

AI-ready AEC data

Nasuni ensures AEC file data is unified, governed, and accessible, making it ready for AI-driven use cases across design, engineering, and project delivery. With built-in permissions, versioning, and global access, the same data foundation that powers teams also enables AI to operate securely and at scale.

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.

AI innovation on Azure

Nasuni ensures operational data is unified, governed, and globally accessible, so AEC organizations can activate AI services by Microsoft Azure. With built-in permissions, versioning, and global access, the same data foundation that powers design also enables AI to operate securely and at scale.

Microsoft Solutions Partner

Azure
Certified software
Nasuni File Data Platform

nasuni

Nasuni is the file data foundation for large enterprises where files are mission-critical for both people and AI. The work that drives modern organizations lives in files, the most operationally critical segment of unstructured data, including designs, project documentation, financial and compliance records, media assets, and the countless versions that evolve across distributed teams.

We help our customers manage, protect, and activate that content so IT can continuously reduce cost and risk, while teams and the AI that supports them become more productive through fast, governed access to the right information when and where they need it.

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