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Solution Brief

Nasuni for Architecture, Engineering & Construction

Modern Cloud File Services Enables You to Store, Share, and Protect the Most Valuable File Assets of Your Business

Today's Architectural, Engineering, and Construction firms work across regional offices, job sites, and offshore locations. The lifeblood of these businesses are Autodesk Civil 3D, Revit, and other sophisticated tools that produce large files exceeding hundreds of megabytes. A single Lidar image can now exceed 1 GB!

For IT, this data explosion puts a tangible stress on hardware and bandwidth resources at job sites. Updating and maintaining traditional Network Attached Storage (NAS) and file servers requires an endless cycle of hardware expansions and refreshes.

On the business side, when design teams need to work together across multiple sites using Revit, InRoads, RevU, AutoCAD, or other architecture or engineering software, file transfer speed is crucial. Long delays waiting for files to synchronize over the WAN can cost companies thousands of dollars in idle labor time. The basic inability to quickly and easily share files across remote physical locations without time lags or version conflicts contributes to major project delays and cost overruns.

File growth also strains existing backup and disaster recovery plans. A single project that takes days to restore impacts delivery schedules, adds more idle labor costs, and potentially incurs contractual delay penalties.

Nasuni Cloud File Services for AEC

Architecture, engineering, and construction leaders like **APi Group, Hull & Associates,** and **Perkins+Will** have all turned to Nasuni to modernize and streamline their multi-PB file infrastructures.

Consolidation

Nasuni enables AEC firms to consolidate all their file data in cloud storage (e.g. AWS S3, Microsoft Azure Storage) instead of storing it in silos on traditional, on-premises file servers or NAS. Free from physical device constraints, the combination of Nasuni and cloud storage offers limitless, scalable capacity on-demand. Yet every office and remote job site can still access their files without connecting to the cloud through lightweight Nasuni Edge Appliances, which cache active files on-premises for fast, local access. A "single pane of glass" management console lets administrators manage their new, cloud-based global file infrastructure with simplicity and speed.

Data Protection

Nasuni not only makes it easier and faster to get work done, it also makes IT's job easier. Automated, built-in 'snapshots' taken in predetermined intervals enable files be restored to virtually any point in time. Traditional backup software, media servers, tapes, and archival storage, along with their high costs, are a thing of the past. Recovery points (RPO) are reduced to minutes, and recovery times (RTO) are reduced to seconds. Cloud storage resiliency and the ability to quickly rehydrate Nasuni Edge Appliances enable IT to recover from equipment failures and natural disasters in as little as 15 minutes.

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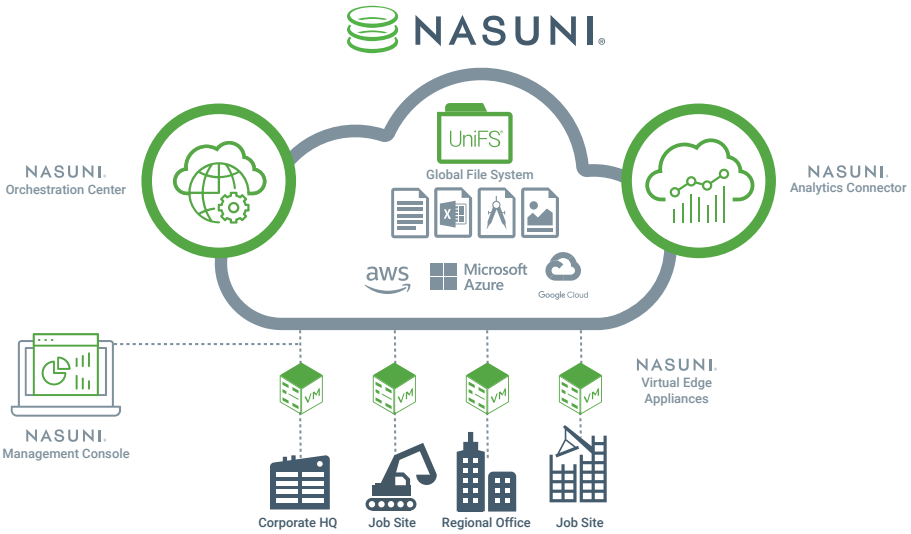

PERKINS + WILL

Perkins & Will

500,000+ drawings and photos of the company's projects in Nasuni are intelligently identified and tagged making them searchable to find other, similar projects when bidding on new jobs resulting in more tailored and targeted proposals."Nasuni turned our unstructured data into big data"

Productivity

Enhanced cross-office file sharing made possible by Nasuni's high-speed file synchronization will streamline work processes and cut costs. Nasuni has been optimized to support some of the most popular AEC software like Revit, Microstation, and AutoCAD Civil 3D, Sketchup, and more. For end users, nothing changes with their day-to-day workflow, but the time it takes to access shared files will be greatly reduced. 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.

Value

Another advantage of the Nasuni platform is the ability to turn file data into business value by tapping into leading-edge analytics, search, and AI services being created by cloud providers like AWS & Azure. These services open a host of insights and powerful analytics to be able do things like detect PII data, perform image recognition, and provide video scanning for OSHA compliance.

REVIT

Nasuni and Revit

Revit was originally designed to share a central model across a LAN in one location. Nasuni 'turbo charges' Revit by extending it to work across multiple locations to meet collaboration requirements of modern architects and firms

Nasuni Capabilities for Modern AEC Firms

Nasuni is tailor-made for modern AEC firms that operate in multiple locations and want to take advantage of next-generation file services.

- ***Local Edge Hardware Reduction*** up to 98% and never run out of disk space again
- ***Cloud Scale, Local Performance*** with Nasuni Edge Appliances and optimized caching
- ***High-speed Global File Synchronization*** to access project files at any office and site location
- ***Billable Workers Are More Billable*** since they no longer wait for files to transfer from site to site
- ***Traditional Backups*** are a thing of the past with continuous snapshots keeping you safe
- ***Optimized for EC Applications*** lets designers and engineers work with teams around the globe

About Nasuni

Nasuni® is a file services platform built for the cloud, to consolidate and replace file server and NAS silos with cloud storage, delivering infinite scale, built-in backup, global file sharing, and local file server performance, all at half the cost of traditional file infrastructures.

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