

Nasuni for Manufacturing

File Data Services for Modern Manufacturers



Unique Challenges for IT in Manufacturing

The manufacturing sector faces unique challenges compared to other industries, and IT leaders must retool their infrastructure to be resilient enough to withstand uncertainty and unexpected shocks. This sector is undergoing upheaval and disruption with supply chain vulnerabilities, economic uncertainties, and political destabilization. Additionally, ever-aggressive ransomware targets manufacturers and vulnerable suppliers for millions of dollars in ransom.

At the same time, workflows and product lifecycles are undergoing digital transformation. Employees, subcontractors, suppliers, and consultants from multiple locations worldwide need to share critical information across the supply chain. They work on product lifecycle management applications (PLM) such as Siemens Teamcenter to CAD/CAE applications and 3D modeling applications such as SOLIDWORKS and Siemens NX. These applications, IoT-connected machines on the factory floor, and smart factory tools generate never-ending and ever-growing quantities of unstructured data that must be stored, protected, shared, and archived.

Unfortunately, traditional file storage infrastructure (Windows File Servers, NAS, backups, DR, WAN sync, etc.) was not designed to contend with these challenges. They have become complex, with a patchwork of systems, tools, access points, and consoles, making them costly and vulnerable to external threats. Securely sharing files with highly-paid employees and contractors internally and externally in a timely manner is next to impossible.

AT-A-GLANCE MANUFACTURING BENEFITS

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

TYPICAL MANUFACTURING USE CASES

- Multi-site sharing and access at LAN speed
- Capacity management and data protection
- Teamcenter acceleration

A New Cloud Approach for Manufacturing

Nasuni is a leading provider of file data services, including file storage, backup, ransomware protection, and file access for the manufacturing sector. The Nasuni File Data Platform is a cloud-native replacement for traditional network-attached storage (NAS) and file server infrastructure, but with many more advanced capabilities. Nasuni consolidates file data in easily-expandable, highly-durable object storage such as Amazon S3, Microsoft Azure Blob Storage, and Google Cloud object storage at a fraction of the cost of on-premises or other cloud solutions while eliminating cloud latency with its unique architecture. The Nasuni approach to file data services creates a scalable, innovative platform for digital acceleration, business growth, and data insights previously unachievable with traditional file storage.

Nasuni File Data Platform



CUSTOMER SPOTLIGHT

Western Digital's complex file storage infrastructure involving three major mergers was replaced with the Nasuni File Data Platform that:

- Connected **10,000 engineers**
- Eliminated **100+ storage devices** plus backup hardware from 7 different vendors
- Provided capacity to **40 major sites with 100 remote locations** across U.S., India, Israel, Asia, and Europe

After moving to Nasuni, Western Digital implemented a 'follow-the-sun' collaboration workflow, cut transfer times from 12 hours to 8 minutes.

Western Digital.

File Data Services Designed for Manufacturing



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.



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.



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.



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.



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.



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.



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%, lowering costs and eliminating time spent managing local file servers.



Multi-Cloud Flexibility

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



ABOUT NASUNI CORPORATION

Nasuni is the leading hybrid cloud storage solution that powers business growth with effortless scalability, built-in security, and fast edge performance using a unique cloud-native architecture. The Nasuni File Data Platform delivers operational excellence by consolidating NAS and backup, eliminating data silos, and making management easy and flexible without changes to apps or workflows. Its built-in security offers proactive defense and rapid recovery, lowering organization's risk from the detrimental effects of ransomware attacks and other disasters. Synchronized access to file data everywhere ensures user productivity by supporting remote and hybrid work. For more information, visit www.nasuni.com.