

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.

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

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

 Western Digital

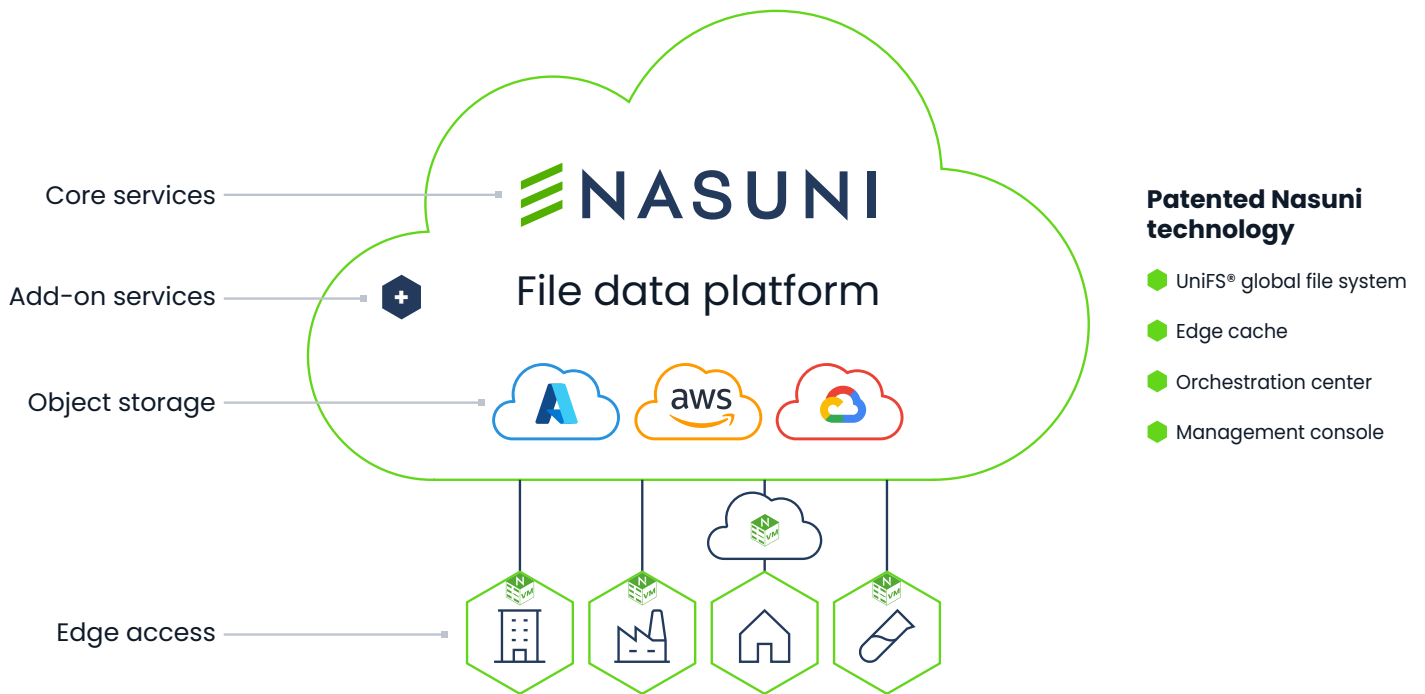
Unfortunately, traditional file storage infrastructure (Windows File Servers, NAS, backups, DR, WAN sync, etc.) was not designed to contend with these challenges. They have become complex, with a patchwork of systems, tools, access points, and consoles, making them costly and vulnerable to external threats.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

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.

The Nasuni File Data Platform



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.

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

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, 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.

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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.