

Hitachi Content Platform and Nasuni: Scalable Object Storage for Files

High-Performance File Collaboration at
Object Scale

SOLUTION PROFILE

As organizations seek to comply with today's prevalent cloud-first and digital transformation objectives, enterprises are adopting cloud object storage to realize the cost and scale benefits delivered by those platforms. However, some organizations prefer not to put their data in a public cloud and thus adopt on-premises private cloud solutions within their own data centers. More and more traditional workloads, such as file serving, backups and archiving are making their way onto these on-premises object storage solutions. As a result, there is a need for a global file system to bridge the requirement for traditional file access with the scalability, cost and security benefits of cloud object storage. Hitachi Vantara and Nasuni have partnered to deliver a certified solution to provide near-infinite and massively scalable capacity for file shares, high-speed and secure access to files at any location, and fast recovery of files from multiple points in time.



Complexities With Siloed File Servers: Performance, Collaboration, Protection and Cost

Traditionally, silos of distributed file servers exist in all locations where users have a need to store and access their data. This approach introduces additional administrative overhead with the required management of the file, storage and data protection infrastructure and processes. Keeping data in synch across multiple locations not only is a challenge, but also often introduces additional cost and complexity by requiring more WAN bandwidth, WAN acceleration and replication technologies.

Scalable Capacity, High-Performance and Secure CIFS and NFS Access to Global Files, and Fast Recovery

Hitachi Vantara and Nasuni enable organizations to share files across any number of locations. With Hitachi Content Platform (HCP) storage as central repository for all files, Nasuni Cloud File Services keeps active files synchronized on Nasuni Edge Appliances so global users always have fast access to the latest files. HCP and Nasuni Cloud File Services work together to provide the experience of having one massive global file server while delivering the benefits of a cloud storage platform.

Nasuni software leverages the lower costs, scalability and durability of HCP storage, and uses its cloud-based Nasuni UniFS global file system to modernize file storage. Hitachi Content Platform and Nasuni Cloud File Services together deliver a certified solution to reduce the cost and complexity of managing file backups and disaster recovery across multiple locations.



[Learn more](#) about Hitachi Content Platform and Nasuni Cloud File Services.



HCP and Nasuni: Scalable Cloud Object Storage Platform for Files

Fast Access and Global File Collaboration

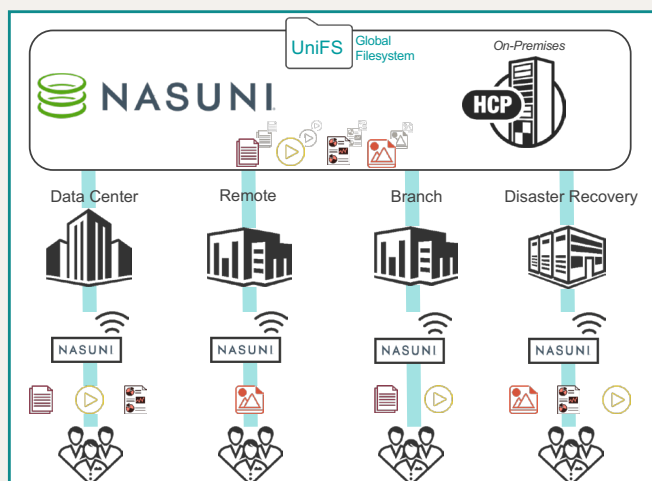
Nasuni Edge Appliances provide high-performance CIFS and NFS access to HCP storage data without having to pay typical access charges with public cloud storage vendors. Nasuni Edge Appliances can be deployed where high-performance file access is needed.

Nasuni caches active files for efficiency, requiring a fraction of the capacity of legacy file servers.

Highest Level of Data Encryption: You're in Control

File access is restricted to the very secure and hardened Nasuni Edge Appliances, which use AES 256-bit encryption to encrypt files as they are created, transmitted over the network, written to Hitachi Content Platform, and subsequently accessed.

Maintain full control of encryption keys to ensure integrity, that data is always secure.



- High-speed file access and collaboration between core, remote and branch offices.
- Traditional CIFS and NFS file access to persistent cloud object storage.
- Near-infinite capacity for group shares, project directories and home drives.
- Rapid and self-service recovery of files from any point in time.

File Collaboration Between Core, Remote and Branch Offices

With Nasuni Edge Appliances across all locations always in synch with Hitachi Content Platform and each other, global users will always gain fast local access to the files they need to boost distributed workforce productivity.

Nasuni's Global File Locking also prevents version conflicts to mitigate user file corruption.

Secure Access With Enterprise Authentication

Tight integration with Microsoft Active Directory and LDAP means that all client connections use standard file protocols, such as SMB3 and NFSv4, so file access can be restricted to authenticated users.

Continue to leverage existing drive mappings, scripts and authentication policies.

Robust Data Protection With WORM and Snapshots

With HCP and Nasuni, data is written with a “write once, read many” (WORM) model, where new data is always appended and never overwritten. Restores are extremely fast, since only metadata is required to be restored from gold copies.

Self-service recovery of snapshots quickly restores files after malware, ransomware, deletions or major disasters.

Reduce Total Cost of Ownership by up to 60%

Simplify management of appliances, shares, volumes and protocols and reduce total cost of ownership (TCO) by an average of 60% by consolidating existing systems for NAS, file servers, replication, backup, disaster recovery, archive and remote access.

Eliminate file backup software maintenance, hardware and media costs, as well as the operational costs of managing backups.

Reduce On-Premises Footprint by up to 80%

Reduce on-premises footprint for file and storage, including rack space, power, cooling and associated costs, by up to 80%.

Eliminate dedicated disaster recovery sites and the associated costs of hardware, replication and backup.

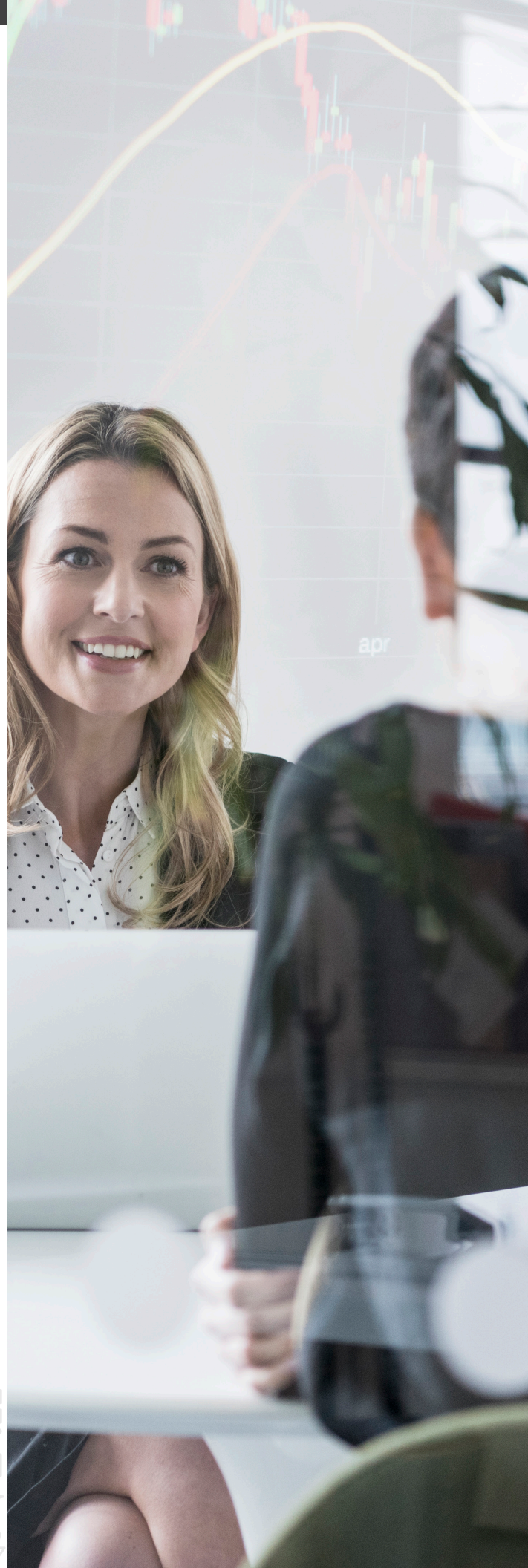


Hitachi's Experience and Partnerships: Trusted by Data-Driven Innovators Everywhere

Hitachi Vantara is a well-established global business backed by more than 100 years in operational technology and more than 50 years in information technology experience and a vibrant ecosystem of partners. Hitachi Vantara has partnered with Nasuni to enable organizations to share files across any number of locations. With Hitachi Content Platform as a central repository for all files, Nasuni Cloud File Services keeps active files synchronized on Nasuni Edge Appliances, so global users always have fast access to the latest files. HCP and Nasuni Cloud File Services work together to provide the experience of having one massive global file server.

HCP and Nasuni together deliver:

- High-speed file access and collaboration between core, remote and branch offices.
- Traditional CIFS and NFS file access to persistent cloud object storage.
- Near-infinite capacity for group shares, project directories and home drives.
- Rapid and self-service recovery of files from multiple points in time.



Next Steps

Check out the resources below to learn about how Hitachi Vantara and Nasuni have partnered to deliver a certified solution to provide near-infinite and massively scalable capacity for file shares, high-speed and secure access to files at any location, and fast recovery of files from multiple points in time.



[Learn more](#) about how the Hitachi Content Platform makes your data securely available anywhere, anytime.

[Read about](#) the power of the Hitachi Content Platform portfolio.

[Learn how](#) Hitachi Content Platform and Nasuni modernize enterprise data centers.

[Read how](#) Nasuni uses cost-effective object storage, like Hitachi Content Platform, to reduce costs of file storage.

Hitachi Vantara at a Glance

Your data is the key to new revenue, better customer experiences and lower costs. With technology and expertise, Hitachi Vantara drives data to meaningful outcomes.

Hitachi Vantara



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