Nasuni Edge for Amazon S3

Delivering access to data via Amazon S3 anywhere you need it

/ INTRODUCTION

Unlock the true potential of your data by bridging the gap between high-performance edge access and infinite cloud storage with Nasuni Edge for Amazon S3. This innovative solution delivers fast access to your S3 data from anywhere, regardless of location or latency issues.

/ OVERVIEW

Nasuni Edge for Amazon S3 enables low-latency access to data stored in Amazon Simple Storage Service (S3). It delivers a highperformance file services cache locally while leveraging Amazon S3 object storage globally for unlimited scale.

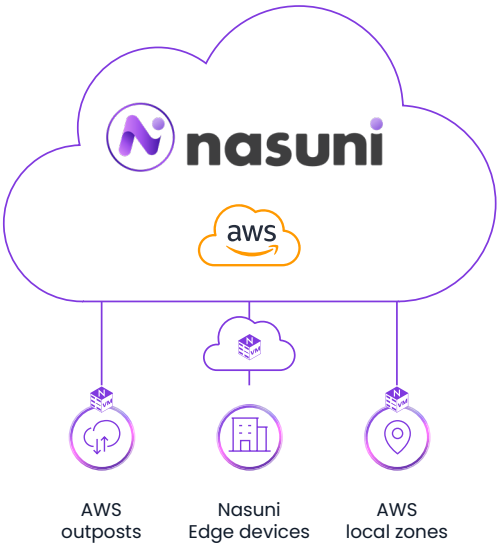
The Nasuni software extends an organization's central Amazon S3 storage into distributed edge locations, including on-premises data centers, AWS Local Zones, AWS Outposts, and AWS Wavelength Zones. Locally cached file data is available immediately to edge applications, while all file changes are continuously synced to Amazon S3 in the background.

Nasuni Edge for Amazon S3 is a core component of Nasuni's cloudnative File Data Services Platform, which delivers a single global namespace for simplified management. Intelligent edge caching and multi-protocol access enhance performance, automation, and scale - even for the most remote locations.

/ FUNCTIONALITY

Nasuni Edge for Amazon S3 runs in an Amazon EC2 instance and integrates with AWS Outposts, AWS Wavelength Zones, or AWS Local Zones. It provides an intelligent, persistent cache designed to ensure active data is up-to-date and locally available where needed.

The Nasuni UniFS® file system presents a single global namespace accessed through file and object protocols. AWS S3 serves as the persistent object store, for superior cost optimization.



/ BENEFITS

Local performance
Achieve LAN-like performance for applications accessing Amazon S3 data through The Nasuni intelligent edge caching. Deploy edge appliances locally, including on AWS Outposts.

Multi-protocol access
Unify access to your data using simultaneous support for file (NFS/SMB) and object (Amazon S3) protocols from the same global namespace.

Centralized management
Manage your one global file data platform through a single console for unified monitoring, reporting, configuration management and security.

Intelligent automation
Automatic cache sizing, tiering policies, and asynchronous file propagation optimize costs and ensure scalability and availability even for dispersed deployments.

Unlimited scale
Grow a single namespace across available Amazon S3 storage tiers without limits on the number of files, directories, users, or locations.

/ THE SOLUTION DELIVERS THE FOLLOWING CAPABILITIES:

Caching policies

Customize edge cache behavior with options for pinning files and auto-expiration rules.

Asynchronous replication

Efficiently propagates file data globally according to policies with built-in consistency.

Multi-protocol support

Access to data from applications often requires additional protocols beyond S3, usually SMB or NFS. Nasuni provides multi-protocol flexibility that facilitates a wide range of applications and use cases.

Extended metadata

Nasuni extends file management scenarios where classification and compliance are important by supporting an extended number of tags, # of characters in tags, and the size of file metadata.

Cloud backup and recovery

An unlimited number of immutable snapshots and continuous file versioning ensures rapid recovery from disasters or human error. Optional ransomware protection provides rapid detection and mitigation at the edge, limiting attack impact and accelerating recovery.

Bucket restrictions support

Ability to restrict access keys to specific configured buckets to ensure security policies for organizations are met and only required access permissions are presented to end users or applications.

/ CONCLUSION

An integral part of the Nasuni File Data Platform, the Nasuni Edge for Amazon S3 solution brings highperformance S3 access to distributed enterprises while consolidating all unstructured data within a single, globally accessible namespace. Intelligent edge caching, and multi-protocol access allow organizations to modernize their unstructured data environment to achieve scale, automation, and global collaboration powered by AWS.



"**Nasuni Edge for Amazon S3 not only enhances our operational efficiency but also establishes a standardized process.** The promising potential of Nasuni Edge for Amazon S3 becomes evident in its ability to boost performance, particularly in the critical aspect of build distribution. This improvement is instrumental in accelerating the delivery of games to the market."

ALEX SERBAN, Senior Manager, Site Reliability & Operations, Electronic Arts

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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.

Unlike tools that focus only on data storage, backup, collaboration, or analytics, Nasuni operates at the source of truth for enterprise files — the foundation enterprise work depends on.