Nasuni Data Service Overview

Overview

Nasuni Data Service (NDS) provides direct access to Nasuni-managed file data via read-only API endpoints. This direct access to the object store does not require a Nasuni Edge Appliance (NEA) or the duplication of data, enabling a variety of new use cases for customers.

Use cases

NDS serves many scenarios including the ability to provide applications and AI services with direct access to their data in the cloud.

RAG: NDS provides a connection to Nasuni for customers wishing to use Retrieval-Augmented Generation (RAG) to retrieve relevant file data from Nasuni volumes and generate more accurate responses to their AI prompts.

Compliance: Customers who need to identify files that contain sensitive information within their Nasuni environment can use NDS as a direct connection to one or more volumes to search and retrieve files to support legal and internal compliance initiatives.

Custom workloads: Integrate your applications and workflows using NDS to provide them with direct access to data stored in Nasuni.

Summary

By making file data easily accessible to AI, applications and cloud services, NDS gives you the ability to power your AI initiatives, support faster compliance, and deliver better analytics.

Requirements

- NDS is currently compatible with the following object store interfaces:
  - Azure Blob API endpoint
  - S3 Object Lambda API endpoint (Available Q3 2025)
- Runs entirely in the your cloud tenant.
- You may deploy multiple NDS instances if they have geographically dispersed volumes.

Example technologies that can be used with NDS

- Azure AI Search
- Azure CLI
- Azure Python SDK
- Azure Storage Explorer
- AZCopy

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Nasuni is a unified file data platform for enterprises facing an explosion of unstructured data, providing business resiliency, driving IT efficiency, and reducing infrastructure costs by up to 67%.

Nasuni's hybrid cloud solution delivers secure data access at the edge and supports enterprise expectations for delivering data analytics and insights.