

## Data Sheet

# The Nasuni Analytics Connector

## Solutions Overview

Enterprises are looking for ways to use the increasing number of cloud-native Business Intelligence and Analytics tools provided by AWS, Microsoft Azure, and Google Cloud Storage on the images, videos, documents, and other files generated by users and applications. Once these files are consolidated in third party cloud storage by Nasuni, the Nasuni Analytics Connector can be used to extract maximum value from these unstructured and semi-structured data assets using any of your preferred third-party cloud services.

To maximize security and reduce the amount of cloud storage needed to store file data, Nasuni encrypts and obfuscates files as it stores them as objects in your preferred cloud storage. The Analytics Connector creates a temporary copy of your file data in native object format so you can run cloud-based BI and analytical tools with maximum performance.

## Key Benefits

- **Flexibility:** The Analytics Connector reads Nasuni volumes hosted in Amazon S3 and Azure\*, and writes files in native object format to separate Amazon S3 or Azure\*\* Storage accounts. That means that customers may use any analytics service from AWS or Azure, regardless of which cloud currently stores their Nasuni volume.
  - **Speed:** Since the Analytics Connector works directly on file data already in cloud storage, the process is scalable and fast, capable of exporting 14–16 TBs of data per hour.
  - **Control:** Customers will be able to specify file types, specific paths, and more to refine the selection of data for analysis.
  - **Secure:** The Analytics Connector runs entirely in your AWS account, using customer keys stored securely in AWS Parameter Store.
  - **Predictable Costs:** Nasuni will provide a cost estimator tool to help you project the cloud costs associated with running the Analytics Connector and storing the native object in a separate cloud storage account.
- **Compliance:** Compliance officers tasked with GDPR governance will be able to use a service such as Amazon Macie — which uses machine learning to automatically discover, classify, and protect sensitive data — to identify Personally Identifiable Information (PII) and Intellectual Property (IP) in their existing UniFS file data. Understanding whether existing files contain protected data enables companies to address compliance issues quickly and systemically.
  - **Search:** Media indexing and search services will be able to analyze files exported by the Analytics Connector and automatically identify objects, people, text, scenes, and activities in images and video. Content managers will be able to search on the people, locations, and other information stored by Nasuni in cloud storage.
  - **Analytics:** Using data subsets prepared by the Analytics Connector, query services such as Amazon Athena and Azure Data Lake will be able to analyze data in object stores using standard SQL without first loading the data into a database. Business analysts could run queries against semi-structured (CSV, IoT) data stored by Nasuni in cloud storage.

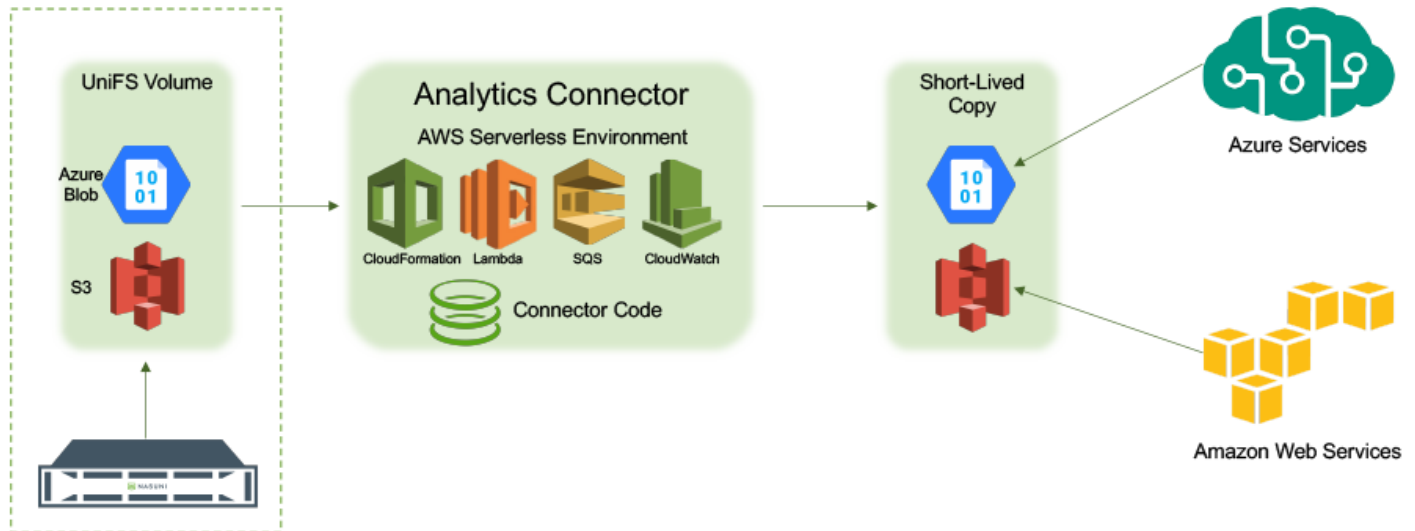
## How it Works: The Nasuni Analytics Connector Operation

Any Amazon S3 or Azure Storage-backed Nasuni volumes are available to the Analytics Connector. To initiate an operation, a customer merely needs to have their encryption keys, a few pieces of information available from the Nasuni Management Console, and an AWS account. The Analytics Connector is invoked by instantiating a Cloud-Formation stack, which can be done through the AWS console or scripted from the command line. All necessary resources are automatically created, and a Cloud-Watch Dashboard shows you the progress and status of the operation. Once the Analytics Connector has transformed and saved the data to the specified target, it is available to any number of cloud-based BI and analytics services.

## Applications

The Analytics Connector allows companies to leverage the strengths of their existing cloud services tools,

\*Available 2020 \*\*Available 2020



*The Nasuni Analytics Connector provides a means to export a short-lived copy of customer data to a separate cloud storage volume which makes it available to numerous additional cloud services. It operates directly against the objects stored by Nasuni in cloud storage, bypassing Nasuni Edge Appliances.*

## Contact Us

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Nasuni® is a file services platform built for the cloud, powered by the world's only global file system, UniFS®. Nasuni consolidates Network Attached Storage (NAS) and file server silos in cloud storage, delivering infinite scale, built-in backup, global file sharing, and local file server performance, all at half the cost of traditional file infrastructures. The Nasuni software-as-a-service platform is most often used for NAS consolidation; backup and recovery modernization; multi-site file sharing; and rapid, infrastructure-free disaster recovery, while also serving as a foundation for data analytics and multi-cloud IT initiatives.

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