



Datasheet

NetApp Data Fabric Cloud Sync Service

Simple, rapid and continuous data synchronization service for AWS

Key Benefits

- Get rapid and secure data synchronization with AWS S3
- Automate your analytics for on-premises or cloud datasets
- Continuously convert and copy your file-based data to S3 objects

The Challenge

The cloud has become the de facto standard for intense compute requirements, such as data analytics, due to its inherent on-demand ability to scale infrastructure as your dataset requires. Rather than build a fixed environment in your own infrastructure, you can use the cloud to take advantage of nearly endless compute capacity and pay for only the resources you require, when you require them.

In order to realize the flexibility of cloud computing, you need to address a serious challenge: How do you effectively get your dataset into the cloud and keep it up to date? Depending on the size and type of data set you are working with, the task of getting the data from your data center to the cloud and back again can be quite daunting. How long is it going to take? Can you keep the data up to date? Is it in the right format? How much will it cost to get the data back?

NetApp Data Fabric Cloud Sync Service for Amazon Web Services

The NetApp® Data Fabric Cloud Sync service provides a simple, automated way to get your data into Amazon Web Services (AWS), run your desired cloud service, and get the data back to where you need it, whether on premises or in the cloud. Cloud Sync is a single service that rapidly moves your dataset to and from AWS, converts your file-based NFS dataset to the Simple Storage Service (S3) object format, and can kick off your cloud service (such as Elastic Map Reduce [EMR], RedShift, or RDS).

You benefit from a continuous sync capability that initially synchronizes your full dataset and then only incremental changes to the dataset based on your schedule. This effectively minimizes the time it takes to get data to AWS. While you are analyzing in S3, you can still use your dataset, thanks to the active-active mode. After data is transferred, Cloud Sync can allow you to trigger the AWS cloud analytics service of your choice. With the completion of your dataset analysis, Cloud Sync moves the results back to your original location (on premises or in the cloud), so your data is always accessible and up to date.

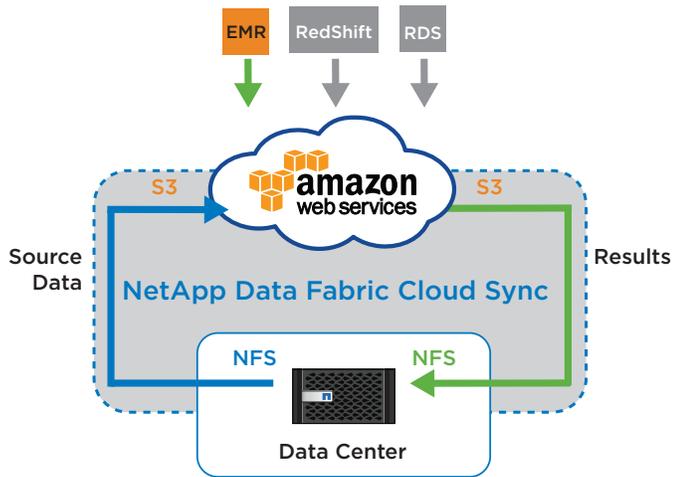


Figure 1) NetApp Data Fabric Cloud Sync service for Amazon Web

Cloud Sync enhances your ability to take small, medium, and large data sets into or out of AWS S3. All you need are a VPN connection to your data center and a data location, and you can synchronize thousands of datasets, from healthcare to financial services, with Cloud Sync.

Example datasets

- **Healthcare.** Genomics, pharmaceutical development, patient records, disease analysis
- **Oil and gas.** Seismic analysis, machine analysis, production forecasting
- **Finance.** Trade performance, credit and market risk management, fraud detection
- **Automotive.** Behavior analysis, supply chain management, predictive analytics

Quick, Simple and Easy to Operate

Continuous, automated data synchronization

Cloud Sync is offered on the AWS marketplace as an on demand service, providing extremely fast data movement compared to other available data synchronizing solutions.

Safe and Secure

Delivery assurance based on built-in data integrity validation

Secure data storage and transport with support for VPN and VPC.

Cost Effective

Simple on-demand consumption

Purchase directly from the AWS marketplace and leverage enterprise storage features for on-premises and cloud datasets.

Enhance Business Decisions

Get better results with faster access to your data

Active-active operation allows you to continue use of your primary dataset while also running your analytics. Utilize scalable, on-demand data availability for rapid analysis with seamless integration to your existing infrastructure.

Connect the Cloud

Bring your data center and the cloud together

Realize the power of the data fabric by allowing you to get your data where you want, when you want, for the best business outcome.

About NetApp

Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

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