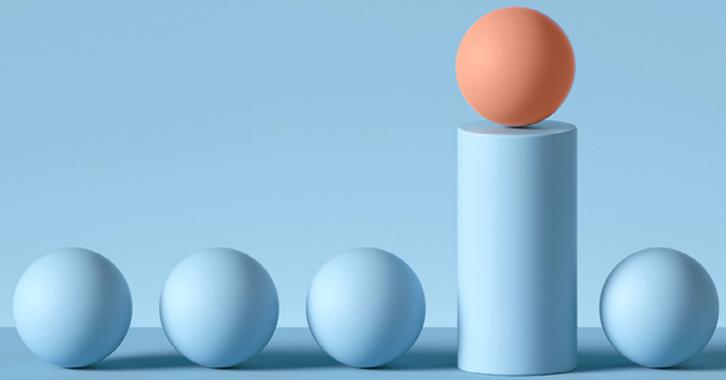


NetApp Cloud Tiering

The Intelligent Way to Manage Your Data Growth



Overview

NetApp Cloud Tiering is an intelligent data tiering service that enables you to extend your on-prem and cloud ONTAP-based clusters to public or private cloud object storage and efficiently manage their high-performance storage by moving infrequently accessed data to a cheaper, yet highly durable, storage tier.

Without compromising on manageability and performance, Cloud Tiering turns the challenging process of identifying and moving infrequently used data into an automatic and seamless service that requires zero changes to the applications layer.

Cloud Tiering is managed through NetApp Cloud Manager which makes it easier to manage tiering across hybrid cloud storage deployments.

- Supports NetApp StorageGRID
- Supports AWS, Azure, and GCP
- Multiple tiering policies
- Volume level granularity
- Data-type and protocol agnostic
- Data encryption at-rest and in-flight
- Maintains storage efficiencies
- Multi-cluster management
- Licensing flexibility: PAYGO, BYOL and hybrid

Why Storage Tiering Matters

In our data-driven era, enterprises often deal with four main challenges regarding storage systems.

- Data is growing fast, and together with growing compliance requirements for long-term data retention, systems are running out of space faster than planned.
- On average 70% of the stored data is rarely accessed, leading to inefficient use of expensive high-performance capacity when not managed properly.
- Most enterprises want to adopt the cloud to execute their cloud strategy but find out that the process is complex, lengthy and hugely expensive.
- Modern organizations are not looking to expand their data centers real estate and seek for cost-effective alternatives to meet budget constraints.

The Cloud Tiering service offers a solution for all of these challenges.



Challenges



Rapid data growth



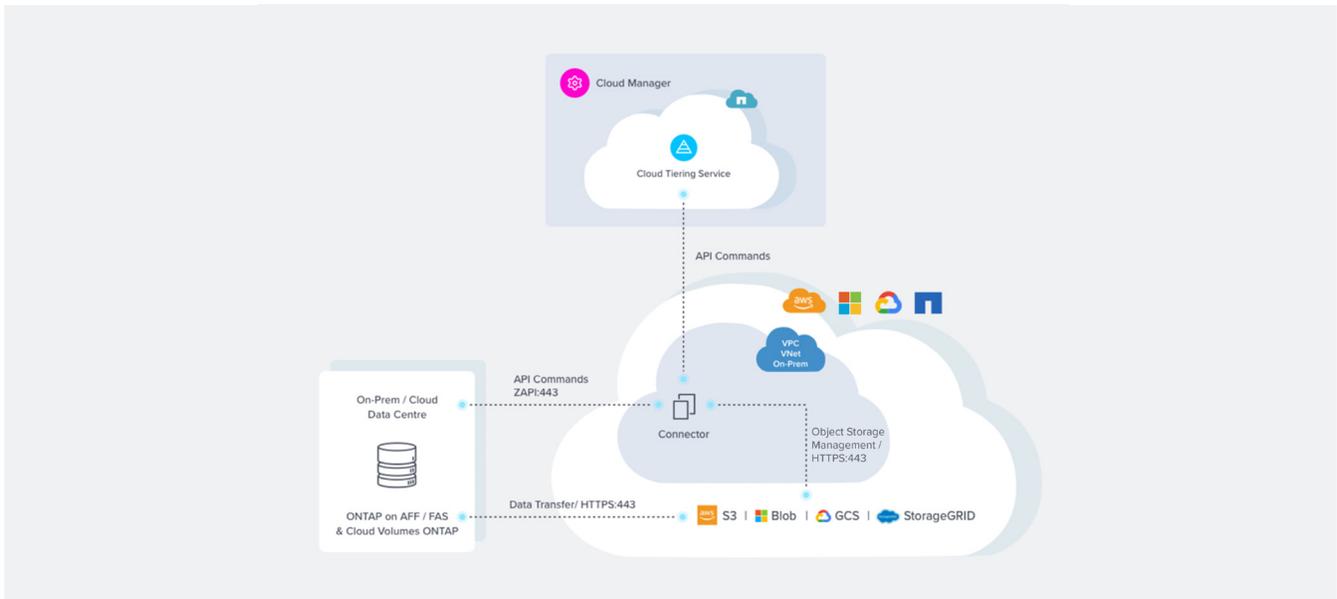
70% of data is inactive



Cloud adoption



Cost and budget



How NetApp Cloud Tying Works

The Cloud Tying service is enabled through NetApp Cloud Manager and with a simple, automated setup, any of your ONTAP-based clusters can be connected with an object storage bucket of your choice. After you assign the appropriate tying policy and specify the data cooling period for the selected volumes, Cloud Tying starts to intelligently track and identify the frequently and infrequently accessed data blocks.

Frequently accessed data blocks are retained on local storage (known as the performance tier) and infrequently accessed data blocks are moved to an object storage bucket (known as the cloud tier). Whenever tied data is requested, Cloud Tying seamlessly brings it from the cloud tier back to the performance tier. Tied data is accessible from your file system without changing the way it was previously accessed or rearchitecting your applications.

Cloud Tying Benefits in Numbers

Optimized Storage

Average
70%
Savings

Extended Capacity

Up to
50X
More Space

Reduced TCO

Average
30%
Cost Savings

Applications Layer

Exactly
0
Changes Required

For more information please visit us at cloud.netapp.com/cloud-tying