



Simplify Multi-Cloud Networking for Data Mobility Across Clouds

Safely and securely replicate data from on premises to cloud with NetApp Cloud Volumes ONTAP, NetApp BlueXP, and F5 Distributed Cloud Services.



KEY BENEFITS

Lowest cost, highest quality storage

Simplify switching and reduce the networking hurdles of adopting cloud storage.

Automated cloud network provisioning

Replicate data to cloud without the overhead of complex networking.

Improved network performance

Ensure resilience with highly available, high-speed, encrypted connectivity.

Centralized observability and diagnostics

Manage and troubleshoot secure networking from on premises to cloud to edge with a unified SaaS platform.

Consistency across IT landscape

Reduce overhead with unified policy engine and management tools.

Speeding Secure Hybrid Cloud Data Mobility

Organizations continue to invest in digital transformation and hybrid cloud to further modernize and take advantage of engagement at the edge. As a result, the IT stack is hybrid, with capabilities such as compute, networking, and storage distributed widely across core, cloud, and edge.

NetApp delivers modern storage that's essential for hybrid cloud data management. But moving that data to cloud is incredibly complex, with different routing tables and VPN technologies for each cloud. Organizations struggle to “stitch together” networks between environments to achieve data freedom across NetApp storage locations.

F5 and NetApp make it possible to quickly and securely move and store data where and when it's needed, improving data mobility, hybrid cloud ROI, and reducing overhead and complexity for IT.

Together, we developed a framework that simplifies network routing when replicating data to NetApp Cloud Volumes ONTAP (CVO) using NetApp SnapMirror technology. With [F5® Distributed Cloud Services](#), you can easily connect to any hyperscaler cloud, reduce complexity and overhead for IT, and tap into the security and high performance of the private [F5 Global Network](#).

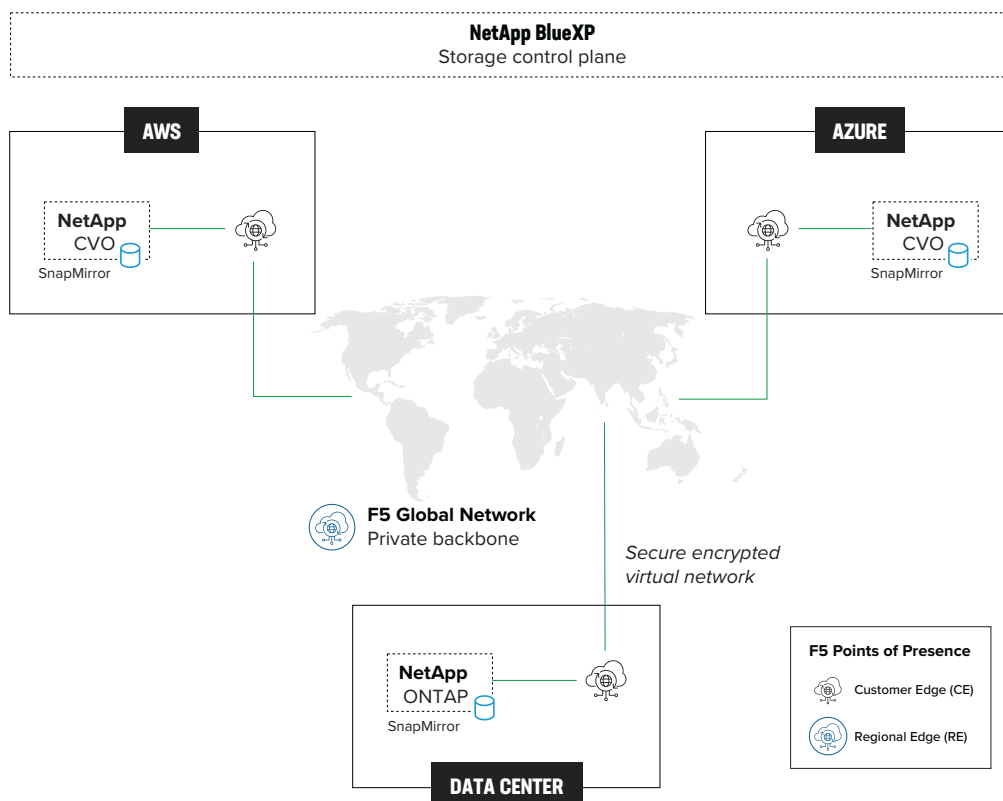


Figure 1: Secure data replication to cloud with F5 and NetApp.

KEY BENEFITS

Multi-cloud networking

- Unify and secure multi-cloud deployments.
- Build your cloud the way you want it.
- Integrated security at scale with every deployment.
- Quickly link networks, apps, and APIs with transparent, secure zero-trust networking.

High-speed, highly available global private network

- Connect and secure app-to-app traffic while ensuring high performance and carrier-grade reliability.
- Prevent attacks at the network level with network firewall and AI-based anomaly detection when connecting applications.

Secure Multi-Cloud Networking from Cloud to Edge

F5 Distributed Cloud Services make it easy to stitch together NetApp ONTAP on premises and NetApp CVO running in the cloud, giving you the freedom to replicate your data quickly and securely to any cloud including AWS, Google Cloud, and Microsoft Azure.

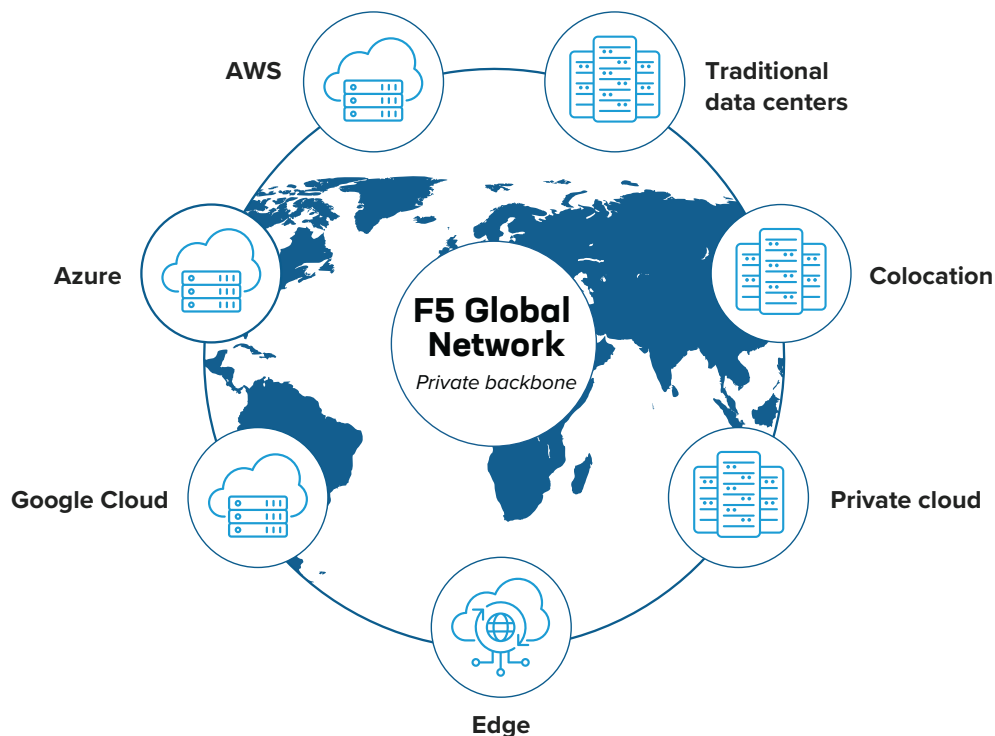


Integrated layer 3 security

Our secure layer 3 networking includes site-to-site VPN and routing, custom network segmentation, as well as network firewall with egress security and support for third-party next-generation firewalls.

End-to-end private global network

The F5 Global Network is the industry's first app-to-app network that's purpose built to connect and secure workloads across multi-cloud or edge.



Solving Disaster Recovery

NetApp CVO, NetApp BlueXP, and F5 Distributed Cloud Services for multi-cloud networking simplify replication from on premises to cloud.



Disaster recovery
Recover from disasters with rapid and easy access to constantly replicated data volumes.



Disaster recovery + archive
Replicate to cloud for recovery, and also add deep storage for cost-effective archives that meet compliance requirements.

Empowering AI Initiatives with Data

Whether it's building large language models for generative AI applications or implementing machine learning (ML) algorithms, AI projects need access to vast pools of data. NetApp FlexClone is a thin cloning technology that simplifies data sharing for AI and ML workloads. Coupled with F5 Distributed Cloud Services, you can quickly, easily, and securely collocate data with the cloud tools and services data scientists need to accelerate AI projects. Beyond traditional business intelligence and reporting needs, modern AI development often requires access to thin copies of current, fresh data without disrupting production environments.

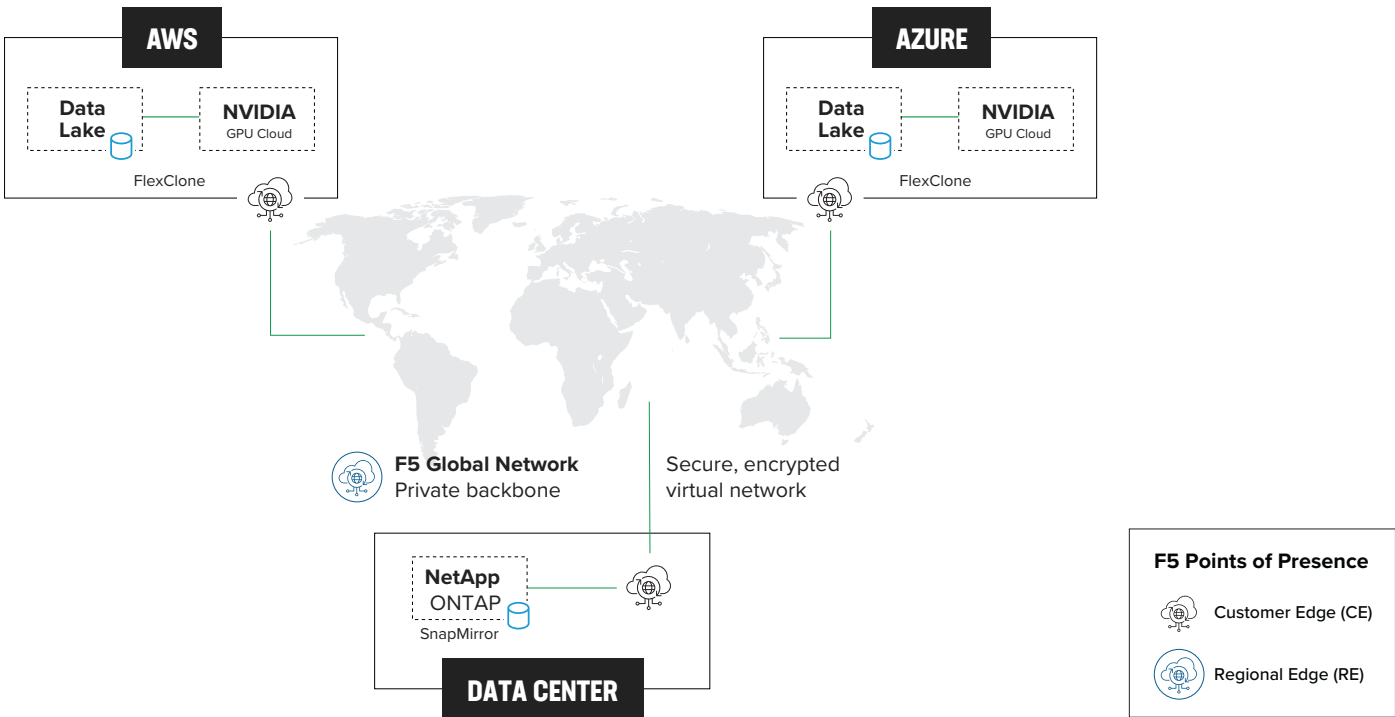


Figure 2: Secure thin data cloning for AI and ML initiatives with F5 and NetApp.

See our [tech article on DevCentral](#) to learn about the F5 and NetApp framework for hybrid cloud disaster recovery. Learn more about F5 Distributed Cloud Services at f5.com/cloud

