

HotLink and NetApp Private Storage for Amazon Web Services

Unifying VMware, Amazon Web Services, and NetApp

The Challenge

Integrating existing data center operations with public cloud resources and managing workloads across both platforms historically posed huge challenges. To benefit from the flexibility, scalability, and cost savings of the public cloud, data centers need the capability to easily combine hybrid IT resources into a holistic solution that spans computing, storage, and management. Enterprises also require full control and mobility of critical data. Together, HotLink[®] and NetApp make this hybrid solution possible, without the complexity and prohibitive costs of the past.

HotLink technologies let VMware data centers seamlessly leverage Amazon Web Services (AWS) in conjunction with on-premises VMware infrastructure for a unified on- and off-premises computing and management solution that works out of the box. When combined with NetApp, the joint solution integrates market-leading VMware vCenter management with enterprise-proven NetApp Private Storage for AWS with the low-cost, pay-as-you-go computing of Amazon EC2 plus the high speed and low latency of AWS Direct Connect. The result is a fully integrated, high-performance hybrid IT computing, storage, and management infrastructure for VMware environments with a total cost of ownership that is second to none.

NetApp Private Storage for AWS lets enterprises build an agile cloud infrastructure that accommodates a mix of VMware and AWS resources to best meet business needs and economic interests while providing control and data mobility. When these resources are combined with qualified AWS Direct Connect service providers, customers have sub-5-millisecond response times between NetApp storage and AWS for the lowest latency hybrid environment available. HotLink's patented transformation technology provides management and workload interoperability between VMware and AWS to complete the solution stack for a fully unified, high-performance hybrid IT infrastructure.

Whether the hybrid IT application is disaster recovery and business continuity, backup and replication, cloud bursting for peak load, or development and testing, the holistic solution delivered by HotLink and NetApp provides the best of all worlds for VMware data centers: unified hybrid management, workload portability, complete data control, low-latency data transfer, and the attractive economics and scalable compute power of AWS.

HIGHLIGHTS

- Integration of VMware[®] management, AWS, and NetApp[®] storage
- Portability of workloads between VMware and AWS
- Full control of data in a hybrid environment
- Leverages AWS computing for high-performance applications
- Easy-to-implement, intuitive-to-operate hybrid IT solution

SOLUTION COMPONENT

- HotLink Transformation Technology: VMware vCenter™ plug-in that extends full administration and management capabilities to AWS as well as integrated workload conversion and migration to and from AWS
- NetApp Private Storage for AWS: Secure, high-performance integration between NetApp and Amazon EC2 with seamless data mobility between NetApp on-premises and NetApp in qualified Direct Connect data centers.
- VMware vCenter Server: Platform for administering and managing VMware vSphere[®] hosts and virtual machines for centralized visibility, proactive management, and extensibility

The Solution

Easily incorporate AWS into existing VMware operations

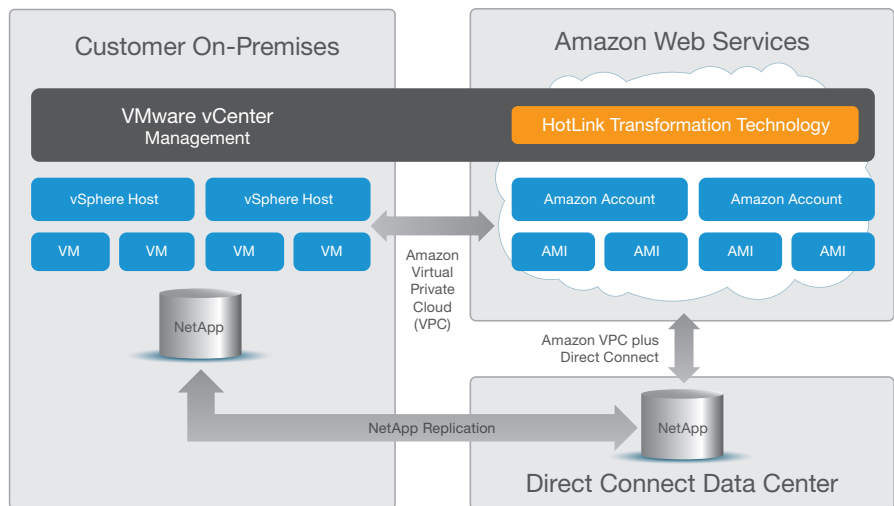
HotLink extends VMware vCenter capabilities to AWS to consolidate deployment, administration, and management of hybrid environments with a single pane of glass. AWS accounts and workloads are transformed and treated just like on-premises resources—hybrid clones, snapshots, migration, and workload conversions are seamless. The existing management infrastructure is fully leveraged for hybrid operations.

Maintain control and mobility of data

NetApp Private Storage for AWS allows enterprises to maintain control and mobility of data via secure private storage in an AWS Direct Connect data center and still benefit from pay-per-use resources in AWS. Data is easily moved back on the premises if required. As a result, IT can meet strict corporate security and data retention requirements while utilizing AWS for low-cost computing.

Utilize AWS for comprehensive, low-cost data protection

HotLink unifies AWS with VMware vCenter to provide robust VM protection, including backup, replication, disaster recovery, and business continuity. AWS data protection site setup, maintenance, testing, and recovery of protected VMs are fully automated. Workloads can be restored in AWS within minutes of a failure and are managed together with on-premises VMs. With AWS as the mirror site, capital costs are zero.



HotLink integrates VMware management, Amazon Web Services and NetApp storage including full portability of workloads between VMware and AWS.

Run high-performance workloads for less

NetApp Private Storage for AWS allows high-IOPS workloads to benefit from the speed and reliability of NetApp storage together with AWS's attractive economics. Qualified AWS Direct Connect service providers can deliver sub-5-millisecond response times for a low-latency hybrid environment. IT can run high-performance enterprise applications without the high cost of on-premises computing.

Implement quickly with fully integrated products

Integration between HotLink and NetApp Private Storage for AWS provides a comprehensive solution for hybrid IT operations out of the box. No system integration is required, so deployment costs are dramatically reduced compared to those of typical hybrid solutions.

“Many enterprises want to leverage a public cloud for disaster recovery and business continuity. Customers gain both efficiency and cost savings when combining the speed of AWS Direct Connect, high-performance NetApp storage, and integration of on-premises VMware management using HotLink.”

Brian Lillie
Chief Information Officer, Equinix

ABOUT HOTLINK

HotLink dramatically simplifies IT management complexity with its award-winning transformation technology for hybrid computing. Customers span technology, financial services, e-commerce, manufacturing, cloud service providers, telecommunications, and more. HotLink is a privately held venture-capital-backed company based in Santa Clara, California. For more information visit www.hotlink.com.

ABOUT NETAPP

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate performance breakthroughs. Discover our passion for helping companies around the world go further, faster at www.netapp.com.