EXPAND YOUR INFRASTRUCTURE TO THE CLOUD

DEDICATED, PRIVATE CONNECTIVITY INTO VMWARE CLOUD ON AWS

Driven by the need for faster innovation and improved agility, many enterprises are turning to hybrid IT strategies. VMware Cloud on AWS integrates VMware’s enterprise-class Software-Defined Data Center (SDDC) software and Amazon EC2 elastic, bare metal infrastructure; enabling organizations to rapidly extend on-premises VMware vSphere environments into the AWS public cloud.

When CoreSite customers access VMware Cloud on AWS via AWS Direct Connect, network connections bypass the public internet, streamlining connectivity. By leveraging AWS Direct Connect edge nodes at CoreSite data centers, customers can optimize VMware Cloud on AWS with the scale, flexibility and security of dedicated network connectivity.

ENTERPRISE CHALLENGES

- **Innovation** — Accelerate development of new applications
- **Agility** — Rapidly respond to changing business needs and speed time-to-market
- **Scalability** — Scale capacity up or down without workload friction

USE CASES

- Extend your footprint into the cloud and get VMware-consistent environments in the AWS cloud
- Seamlessly rebalance vSphere-based workloads to VMware Cloud on AWS
- Rapidly execute large bi-directional migrations between on-premises and AWS cloud
- Scale live applications to an environment that is operationally consistent with your VMware infrastructure
- Modernize your applications through optimized access to native AWS services

**CLOUD IS BECOMING MAINSTREAM**

15% of global IT workloads are located in the public cloud today. By 2030, VMware estimates that 50% of all workloads will run in the cloud.


SECURE, RELIABLE, HIGH-PERFORMANCE DATA CENTER SOLUTIONS
HOW IT WORKS

CoreSite Data Centers

AWS Global Infrastructure

vSphere

The CoreSite Open Cloud Exchange

vSAN

AWS Direct Connect Router

vMotion

• Customers in Los Angeles, Silicon Valley, Denver, New York and Northern Virginia can connect to AWS Cloud via AWS Direct Connect edge node deployed at a CoreSite data center
• Customers can connect to AWS Cloud via the CoreSite Open Cloud Exchange in all eight CoreSite markets
• Dedicated connection occurs over a standard 1GB or 10GB Ethernet fiber-optic cable, up to 40GB with AWS link aggregation groups (LAG)
• Once connectivity is established, customers have private, on-demand access to VMware Cloud and full suite of native AWS cloud services

BENEFITS

• Performance — Accelerate vMotion operations by as much as 80% with LAG
• Reliability — 44% Reduction in latency with fewer network hops
• High Availability — Increase redundancy and fault tolerance
• Consistency — 60% Reduction in variability with private connectivity
• Security — Dedicated, point-to-point connectivity

The CoreSite Open Cloud Exchange provides a single port into our layer 2 Ethernet switching product, enabling private virtual connections to not only AWS Cloud, but a robust ecosystem of network, cloud and IT service providers.