Common challenges with hybrid cloud adoption

Many organizations believe that moving their applications and workloads to the cloud requires new tools, skills, and processes. This can present challenges such as learning to use new tools, apply new skills, and adapt to new processes, all of which can be time-consuming and costly. Additionally, challenges such as lack of workload portability, incongruent networks and operational inconsistency, and multiple virtual machine (VM) formats can hinder hybrid cloud adoption.

Bridging the gap to hybrid cloud adoption with VMware Cloud on AWS

VMware Cloud on AWS enables your organization to overcome these challenges by bringing your VMware Software-Defined Data Center (SDDC)-based workloads to Amazon Web Services (AWS), delivered as an on-demand service. If your organization is looking to increase agility, reduce costs, and focus on core business initiatives instead of data center management, VMware Cloud on AWS can help.

VMware Cloud on AWS provides seamless integration with the broad and rich set of Amazon Web Services (AWS) capabilities, including compute, database, analytics, Internet of Things (IoT), Artificial Intelligence (AI)/Machine Learning (ML), security, mobile, resource deployment, application services, and more.

With VMware Cloud on AWS, you can continue to use familiar VMware tools to manage VMware-based workloads, without having to purchase custom hardware or rewrite applications—all while benefitting from the functionality, elasticity, and security customers have come to expect from AWS.

VMware Cloud on AWS is an ideal solution for common use cases

- **Accelerated cloud migration**
  Migrate mission-critical production workloads to VMware Cloud on AWS at scale, without having to convert or re-architect.

- **Data center extension**
  Rapidly, seamlessly and cost-effectively meet your data center capacity and expansion needs including providing robust disaster recovery with a consistent cloud infrastructure built to meet the growth needs of your business.

- **Application modernization**
  A simple and consistent way to extend the way for enterprise applications running in VMware Cloud on AWS to access native AWS services.

Sold, Delivered, and Supported as a service from VMware

The fully configured VMware Cloud on AWS solution will be provisioned, operated, and maintained by VMware. Organizations will benefit from automated account creation and environment provisioning using APIs, as well as integration between VMware and AWS accounts. VMware will also directly support operations and ongoing infrastructure monitoring, while additionally managing ongoing maintenance directly.
Key benefits

**Accelerated innovation**
- Seamless integration between VMware software and the full breadth and depth of native AWS services
- Utilize Amazon Aurora databases, Amazon DynamoDB, and many other database services, data warehousing, and petabyte-scale analytics tools
- Direct and secure access to cost-effective Amazon Simple Storage Service (Amazon S3) buckets and objects

**Leverage existing VMware investments**
- Deploy a hybrid cloud solution that doesn’t require new licenses or hardware
- Limit capital expenses, predict costs more easily, and eliminate complexity as you transition to the cloud
- Minimize the need for staff to adopt new processes or learn new skills

**Achieve operational consistency**
- Utilize vCenter Server for both on-premises and cloud SDDC management.
- A consistent and seamless hybrid IT environment that combines enterprise-grade VMware software with the functionality, security, and operational expertise of AWS

**Deploy a hybrid cloud environment without complexity**
- Bi-directional workload portability between on-premises and the cloud
- Granular VM-level control without having to maintain hardware
- Enterprise-grade security with micro-segmentation and encryption

**Simplified operations**
- Simplify hybrid IT operations with familiar VMware technologies across on-premises and AWS environments
- SDDC licensing, lifecycle management, and support from VMware with one number to call
- Continuous use of VMware eliminates need to re-train staff on how to use new tools and adopt new processes

**Enhanced availability**
- Increase uptime by integrating your on-premises VMware infrastructure with the high availability of AWS
- Resource optimization and auto-remediation deliver enterprise-grade availability to mission-critical applications
- Zero RPO high availability for enterprise applications virtualized on vSphere AWS Availability Zones (AZs)

Get started

With VMware Cloud on AWS, you will have the flexibility needed to grow in the future, utilizing the most feature-rich and innovative hybrid cloud partnership possible. With the same architecture and operational experience on-premises and in the cloud, your organization can now realize instant business value derived from the workload portability and operational consistency offered by the AWS and VMware hybrid cloud experience.

**Additional Links:**
To learn more about VMware Cloud on AWS, visit: [http://aws.amazon.com/vmware](http://aws.amazon.com/vmware).
To get started with VMware Cloud on AWS contact VMware or your AWS Sales Representative.