

Professional Services for VMware Cloud on AWS

Extend your on-premises vSphere environment to the AWS Cloud

AT A GLANCE

Leverage our expertise in applications, infrastructure, AWS Cloud and VMware technologies to help you realize your hybrid cloud strategy.

KEY BENEFITS

- Quickly implement hybrid cloud connectivity
- Make the right platform choice based on the requirements of each workload
- Migrate applications quickly, cost-effectively, and securely
- Leverage and optimize existing skillsets, tools and processes and extend them to AWS Cloud
- Optimize application traffic allocation, availability, and performance

Business challenge

Organizations are recognizing the benefit of creating hybrid cloud environments that integrate public clouds with their on-premises infrastructure. When implemented on the right platform, hybrid cloud enables you to tap into the unique benefits of each infrastructure choice – whether it is to consolidate data centers, expand capacity, implement disaster recovery, create next-generation applications, or expand a VDI environment.

VMware Cloud on AWS makes it easy to quickly deploy these hybrid solutions across VMware on-premises infrastructure and AWS Cloud. Successful adoption will require proper planning as well as optimizing operations and management. Key things to consider as you adopt this solution are:

- Validating network and infrastructure readiness
- Determining application and/or VDI compatibility across the environments
- Ensuring consistency in how IT controls, manages and secures these environments
- How you will deliver enterprise-class SLAs, consistently across your environments
- Whether and how to leverage native AWS services for modernizing apps

Service overview

VMware Professional Services can help your organization successfully adopt and scale VMware Cloud on AWS and ensure a smooth transition to a hybrid cloud environment.

Design and Create

We will review your business requirements, constraints and risks. Based on those, we will assess your existing compute, storage, disaster recovery, and networking architecture to ensure it will support the desired bandwidth and performance requirements planned for your hybrid cloud. We will configure VPN access, gateway connection, and firewall rules and create your software defined data center (SDDC) on AWS Cloud. Our knowledge transfer session will show you how to administer and manage your users, workloads, and services in a cohesive manner and will provide you with the skills to expand and scale your hybrid cloud as needed.

Application Migration

When migrating applications to a public cloud such as VMware Cloud on AWS, considerations must include application and data dependencies, security controls, latency, subsequent performance, operations practices for backup/recovery and application licensing. We will review applications that you have identified as destined for AWS Cloud, assessing dependencies and characteristics to ensure they are suitable for AWS. Leveraging best-in-class tools, a proven methodology and a factory model, we then efficiently and securely move suitable applications from the current environment to

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the target cloud environment. We will create application bundles and schedule the migration events. We will create migration runbooks, develop test and contingency plans and map the source infrastructure to the target infrastructure. Finally, we will execute the migration in waves and perform a validation to ensure the migration is accurate and complete.

Operations and Management

One of the benefits of a hybrid cloud is the ability to connect your public and on-premises clouds together and to have unified management between the two environments. We can help you optimize your people and processes for a hybrid cloud. We can integrate your metrics, monitoring, and dashboards. We can update standard operating procedures, define and implement processes for event management, performance management, capacity management, automated provisioning, service catalog management, showback/chargeback, service level management, and configuration management. We can also assess your current skills, identify gaps, and provide relevant training to help ensure that your IT staff is ready to run on Day 1.

Disaster Recovery as a Service (DRaaS)

VMware Professional Services can help you create and implement a disaster recovery strategy that incorporates DRaaS on AWS Cloud to protect apps in the event of site failures. We will help you implement an end-to-end disaster recovery solution that can help reduce the requirements for a secondary recovery site, accelerate time-to-protection, and simplify disaster recovery operations. We start by assessing your applications to determine which ones should or should not be protected based on business and technical requirements. We will configure the on-premises environment including security, networking, operations and management. Lastly, we will create, test and validate a disaster recovery plan.

Virtual Desktops on AWS Cloud

VMware Professional Services can help you simplify the management and delivery of virtual desktops and apps in a hybrid cloud on AWS Cloud. We can help you build a completely new VDI environment or extend an existing one to quickly add capacity, provide desktops for business continuity, or enable external developers or contractors who need desktops temporarily. VMware Professional Services will assess your virtual desktop foundation's readiness for extending to cloud-hosted infrastructure, deploy the SDDC foundation in AWS Cloud, provide remote access capability, and create a user environment management foundation.

Benefits

VMware Professional Services will leverage our expertise in applications, infrastructure, AWS Cloud and VMware technologies to help you realize your hybrid cloud strategy. We will optimize your environment to meet your business requirements, securely migrate your workloads, and enable your team to manage a hybrid cloud environment. Our holistic approach helps you minimize business disruption, and our proven methodology ensures predictable outcomes that maximize productivity during periods of technology change.