

# Application Modernization with AWS and VMware

Take the next step in your cloud maturity: modernize your VMware-based workloads on Amazon Web Services (AWS)

## You've exited your datacenter and migrated to the cloud. Now what?

As the journey to the cloud matures, organizations will want to maximize the value of existing hardware, software, and business applications. These new architectures, operations, and software delivery are what we call modern application development.

Customers modernize their applications with AWS and VMware for several primary reasons, including consuming storage, taking advantage of analytics services and insights, and to facilitate container workloads.

### Let's explore:

**USE CASE:**  
**File storage**



- Ensuring you can back up and restore your application depends on your underlying storage infrastructure.
- AWS services for storage include Amazon Simple Storage Service (Amazon S3), Amazon Elastic File System (Amazon EFS), Amazon FSx, or AWS Storage Gateway.
- You can also leverage managed services, such as database solutions, to support diverse data models and build highly scalable, distributed applications.
- Or, perform a simple database level backup and restore onto a new Amazon Relational Database Service (Amazon RDS).

## VMware Cloud™ on AWS

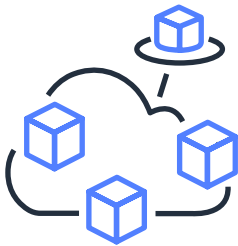
VMware Cloud on AWS benefits:

- Scalable capacity—expand your Amazon Web Services (AWS) infrastructure on demand
- Secure and highly available
- Expandable; broaden your AWS consumption by taking advantage of 175+ native AWS services

This is why AWS is VMware's preferred public cloud partner for all vSphere-based workloads and why AWS names VMware Cloud on AWS as its preferred service for all vSphere-based workloads.

**USE CASE:****Analytics services**

- Once you have migrated to the cloud, you can move your databases, too, in order to take advantage of deeper analytics services and possibilities.
- For example, ingest data from your VMware Cloud on AWS environment into your native AWS services and accounts.
- Then, run real-time analytics using AWS services such as Amazon Kinesis, Amazon Elasticsearch Service, and Amazon Athena to quickly gain insights from your data.
- Or, build a data lake so all of your data is in one location for faster analytics processing. Using AWS Lake Formation, you can set up a secure data lake, fast.

**USE CASE:****Containers**

- When it comes to running containerized workloads, there are numerous options—including Amazon Elastic Container Service (Amazon ECS), Amazon Elastic Kubernetes Service (Amazon EKS), or VMware Tanzu.
- If you're already running AWS natively, you can leverage the scalability, high availability, and security of Amazon ECS. This service also integrates with many other AWS services such as Elastic Load Balancing, Amazon Virtual Private Cloud (Amazon VPC), and AWS Identity and Access Management (IAM).
- If you are running Kubernetes, Amazon EKS enables you to deploy, manage, and scale containerized applications using Kubernetes on AWS.

## Using VMware Cloud on AWS in your application modernization journey

VMware Cloud on AWS is an innovative service that allows you to run a similar vSphere-based environment on AWS infrastructure while being able to connect to additional AWS products and services. Once on AWS, depending on your unique use case, you have a wide choice of 175+ native services—including databases and containers to artificial intelligence (AI)/machine learning (ML) and serverless—from which to choose.

With VMware Cloud on AWS, you can start your modernization journey with minimal disruption to your business.

**Learn more about VMware Cloud on AWS:**

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