

# Supercharge your VMware Cloud™ on AWS investment

Leverage native AWS services to augment your hybrid environment



## Hybrid Clouds are Gaining Momentum

Hybrid cloud is rapidly becoming a leading cloud solution because it enables enterprises to allocate their data, applications, and other computing resources to either dedicated private cloud or to public cloud infrastructure like Amazon Web Services (AWS). This flexibility helps organizations achieve a wide range of business goals, including increased efficiency and reliability, high availability, security, and cost efficiency.

## The Solution

VMware Cloud on AWS, an integrated cloud offering jointly developed by AWS and VMware, delivers a highly scalable, secure, and innovative service that allows organizations to seamlessly migrate and extend their on-premises VMware vSphere-based environments to the AWS Cloud running on next-generation Amazon Elastic Compute Cloud (Amazon EC2) bare metal infrastructure. VMware Cloud on AWS simplifies and accelerates the migration of mission-critical production workloads to the cloud at scale without conversion or re-architecture. You can leverage your existing VMware investments, increase innovation, achieve operational consistency, and deploy a hybrid cloud environment without complexity. Additionally, your company can maximize its VMware Cloud on AWS investment by leveraging native AWS services.

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“VMware Cloud on AWS will allow us to move, modernize, protect, and scale our applications, & expand their value with native AWS services. Having VMware vSphere at its core provides operational consistency with our on-premises environment, enabling us to maximize our existing IT skillsets & tools.”

- **Drew Frederick**, VP of IT Cloud & Infrastructure Services, Discovery

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## Key Benefits of VMware Cloud on AWS



Leverage existing  
VMware investments



Achieve operational consistency



Accelerate innovation



Deploy a hybrid cloud  
without complexity

# Make a Great Hybrid Cloud Even Better with Native AWS Services

Below are details on some of the key AWS services that can be leveraged to increase the value of your VMware Cloud on AWS investment.

## Storage

**A reliable, scalable, and secure place for your data.**

Amazon Elastic Block Store (Amazon EBS) provides persistent block storage volumes that can be used with VMware Cloud on AWS. Each Amazon EBS volume is automatically replicated within its Availability Zone to protect you from component failure, offering high availability and durability. Amazon EBS volumes offer the consistent and low-latency performance needed to run your workloads.

### Benefits of Amazon EBS:



**Dynamically increase capacity**



**Comprehensive security and compliance capabilities**



**Ability to query data in place**

## Security

**Keep your VMware Cloud on AWS applications safe from web exploits.**

AWS Web Application Firewall (AWS WAF) helps protect your web applications from common web exploits that could affect application availability, compromise security, or consume excessive resources. You can use AWS WAF to create custom rules that block common attack patterns, such as SQL injection or cross-site scripting, and rules that are designed for your specific application. AWS WAF also includes a full-featured API that you can use to automate the creation, deployment, and maintenance of web security rules.

### Benefits of AWS WAF:



**Security Integrated with How You Develop Applications**



**Increased Protection Against Web Attacks**



**Improved Web Traffic Visibility**



## Compute

### Develop, deploy, run, and scale your applications and workloads in the cloud

AWS Lambda enables you to run your code for virtually any type of application or backend service – with zero administration. Just upload your code and AWS Lambda takes care of everything required to run and scale it with high availability. You can set up your code to automatically trigger from other AWS services, or call it directly from any web or mobile application.

#### Benefits of AWS Lambda:



No servers to manage



Continuous scaling



Subsecond metering



## Networking

### Connect your applications and infrastructure to meet the needs of your business.

Accelerate content delivery from your VMware Cloud on AWS environment by leveraging Amazon CloudFront, a global content delivery network (CDN) that securely delivers data, videos, and applications to your audience with low latency and high transfer speeds.

Amazon CloudFront is integrated with AWS—including physical locations that are directly connected to the AWS global infrastructure. In addition, the software works seamlessly with services including AWS Shield for DDoS mitigation, Amazon Simple Storage Service (Amazon S3), Elastic Load Balancer, or Amazon EC2, as origins for your applications and Lambda@Edge to run custom code close to your audience.

#### Benefits of Amazon CloudFront:



Global CDN that scales with your growth



Secures content at the edge



Low latency, high-speed transfers



## Databases

### Purpose-built databases for all your application needs.

Quickly, securely, and cost-effectively organize and manage your data without having to worry about vendor licenses, platform management, and underlying infrastructure. Integrate your VMware Cloud on AWS applications seamlessly with Amazon Aurora, a relational database built for the cloud. It combines the performance and availability of high-end commercial databases with the simplicity and cost-effectiveness of open source databases. Amazon Aurora is a fully managed service which automates time-consuming tasks like hardware provisioning, database setup, patching, and backups.

### Benefits of Amazon Aurora:



**High performance, scalability, availability, and security**



**MySQL and PostgreSQL compatible**



**Fully managed service**

## Get Started

With VMware Cloud on AWS, you can accelerate innovation by utilizing this hybrid cloud partnership. With the same architecture and user experience on-premises and on the cloud, your organization can now realize instant business value derived from the workload portability and operational consistency offered by AWS and VMware.

### Additional Links:

To learn more about VMware Cloud on AWS, visit: [aws.amazon.com/vmware](https://aws.amazon.com/vmware) | [cloud.vmware.com/vmc-aws](https://cloud.vmware.com/vmc-aws)

To get started with VMware Cloud on AWS contact your VMware or AWS Sales Representative.

vmware®



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