

# Migrate Microsoft SQL Server workloads to VMware Cloud™ on AWS

Extend your databases and applications to the cloud



## Clearing a path to move Microsoft SQL Server to VMware Cloud on AWS

As an increasing number of organizations feel pressure to reduce their spending on data centers and hardware, many have begun to realize the benefits of migrating to the cloud. In doing so, however, many face the challenge of overcoming the often-significant architectural differences between key infrastructure components related to compute, storage, networking, and disaster recovery. Running Microsoft SQL Server workloads on the hybrid offering, VMware Cloud on AWS, makes the transition to Amazon Web Services (AWS) quick and secure, with limited—if any—downtime using VMware vMotion.

## Seamlessly transition Microsoft SQL Server to the cloud using VMware Cloud on AWS

VMware Cloud on AWS helps accelerate the migration of your Microsoft SQL Server workloads to the cloud without having to be concerned with retrofitting activities like IP address changes. Running Microsoft SQL Server on VMware Cloud on AWS allows you to operate in a hybrid cloud model and leverage native AWS services to optimize your database environment.

Moving your Microsoft SQL Server workloads to VMware Cloud on AWS empowers your organization to take advantage of a rapidly scalable and innovative service. The migration process is simplified by vMotion, which makes it possible for your Microsoft SQL Server Virtual Machines (VMs) to shift to the AWS infrastructure with no downtime, while you continue using familiar VMware tools and processes. This also means that you will no longer have to make investments in costly, time-consuming endeavors such as patching for infrastructure and firmware, managing hardware uptime, and monitoring the power, cooling, and physical security of your on-premises data centers.

Your workforce can continue to operate on a familiar Microsoft SQL Server platform, but with more time available for innovation since the basic, expensive, and time-consuming data center and infrastructure management activities are delegated to AWS and VMware.

## Effectively manage Microsoft SQL Server databases and applications with VMware Cloud on AWS



### Smooth migration

Running Microsoft SQL Server on VMware Cloud on AWS enables seamless Integration with Active Directory, AWS Directory Service, and vMotion to accelerate the migration process with no downtime.



### Simplified workload management

Your organization will no longer have to be concerned with such time-consuming tasks as replacing hardware when it fails because your production workloads will always be available once you have deployed Microsoft SQL Server on VMware Cloud on AWS.



### Rapid scalability

Simplify and accelerate your on-demand scalability at any capacity using this secure, highly available, and durable hybrid solution to reduce costs and increase business agility.

## VMware Cloud on AWS

The hybrid cloud environment, VMware Cloud on AWS, is fully operated by VMware. Deploying this solution enables your organization to 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 managing the necessary maintenance as well.

## Key benefits



### Improve management of Microsoft SQL Server using VMware Cloud on AWS

- Reduce costs and increase agility by moving your Microsoft SQL Server databases to VMware Cloud on AWS
- Benefit from the resizable capacity and automated hardware provisioning that AWS will provide for your Microsoft SQL Server environment
- Streamline the management of your Microsoft SQL Server workloads using VMware Cloud on AWS



### Modernize your Microsoft SQL Server environment

- High-performance, open architecture accelerates adoption of current and future technologies and solutions
- Updating your Microsoft SQL Server workloads on VMware Cloud on AWS increases automation and reduces the need for administrators to tend to manual tasks, reducing costs
- Quickly and easily update the components of the familiar VMware Software-Defined Data Center



### Migrate to the cloud on your terms

- Based on your organization's familiarity with this platform, moving your Microsoft SQL Server environment from on-premises to VMware Cloud on AWS is more of a gradual process than a full-fledged migration effort
- Migrate Microsoft SQL Server databases to Amazon Relational Database Service (Amazon RDS), a fully-managed service that provides multiple options to fit different relational databases use cases, as well as managed updates, patches, and security



### Remove the constraints of a legacy IT environment

- Instead of using your IT resources to maintain your existing systems, have them focus on driving innovation
- No longer dedicate inordinate amounts of time and resources to keeping your Microsoft SQL Server environment up and running, but instead use it to help grow your business
- Transition your on-premises data centers to the innovative VMware Cloud on AWS platform to better suit both your current and future technology needs



### Update your Disaster Recovery strategy

- Configure synchronous or asynchronous replication for high availability and/or disaster recovery
- Seamlessly synchronize your new disaster recovery solution across multiple Availability Zones
- The advanced architecture used to run Microsoft SQL Server on VMware Cloud on AWS can help your business realize increased technical benefits at a reduced cost



### Simplify licensing and administrative overhead

- Reduce the burden of having to manage licenses and keep track of billing numbers
- Cut costs by limiting the amount of vendor contracts needed to support your on-premises data center
- Discover the value and flexibility of running Microsoft SQL Server in a hybrid environment

## Get started

Engage with AWS, VMware, or an AWS Partner Network (APN) Partner for a face-to-face workshop to map out a vision, assessment, strategy, and plan for moving Microsoft SQL Server databases, applications, and workloads to VMware Cloud on AWS. To get the process started, work on an AWS or business partner-led Proof-of-Concept to explore what is possible.

### Additional Links:

To learn more about VMware Cloud on AWS, visit: <http://aws.amazon.com/vmware>.

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



For over 12 years, Amazon Web Services has been the world's most comprehensive and broadly adopted cloud platform. AWS offers over 125 fully featured services for compute, storage, databases, networking, analytics, machine learning and artificial intelligence (AI), Internet of Things (IoT), mobile, security, hybrid, virtual and augmented reality (VR and AR), media, and application development, deployment, and management from 54 Availability Zones (AZs) within 18 geographic Regions and one Local Region around the world, spanning the U.S., Australia, Brazil, Canada, China, France, Germany, India, Ireland, Japan, Korea, Singapore, and the UK. AWS services are trusted by millions of active customers around the world—including the fastest-growing startups, largest enterprises, and leading government agencies—to power their infrastructure, make them more agile, and lower costs. To learn more about AWS, visit <http://aws.amazon.com>.

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