Migrate Oracle workloads to VMware Cloud™ on AWS

Innovate and modernize on your terms

Common challenges associated with running Oracle on VMware Cloud on AWS

Oracle databases and applications are used by thousands of customers worldwide. Many of those same customers often express concern about what they perceive to be common challenges with moving their Oracle workloads to the cloud, such as limiting their agility and presenting difficulties when trying to scale to their business demands. In addition, there is also reluctance expressed about licensing, a complex migration process, fear of incompatibility, decreased performance, and lack of support, along with limited workload portability.

VMware Cloud on AWS delivers highly available, durable Oracle databases and applications

VMware Cloud on AWS offers enterprises a painless, fast, and low risk option to migrate their Oracle workloads to the cloud while still leveraging their existing VMware capabilities. Running Oracle workloads on VMware Cloud on AWS allows customers to operate in a hybrid cloud model and leverage native AWS services—such as Amazon Simple Storage Service (Amazon S3) for backup, storage, and archiving—to optimize their environment.

Running Oracle databases and applications on VMware Cloud on AWS can help your organization improve flexibility because it makes it easy for you to set up, scale, and operate your Oracle workloads. Once deployed on VMware Cloud on AWS, these Oracle workloads become interoperable with both your on-premises environment and Amazon Web Services (AWS).

This solution supports advanced, highly available architecture patterns such as Oracle Real Application Clusters (RAC) and Stretched Clusters in VMware Cloud on AWS. VMware Cloud on AWS can be deployed in multiple Availability Zones (AZs) and AWS regions, and offer scalability on demand to meet your organization's business needs, while removing the need for you to plan ahead for the next 2-3 years.

Effectively manage Oracle databases and applications with VMware Cloud on AWS

Accelerated provisioning

Provision instances in minutes, while employing automated operating systems and database patching.

Simplified migration

Bring your own IP address to VMware Cloud on AWS, and also run multi-point hybrid cloud solutions within your on-premises VMware environment, VMware Cloud on AWS, and connected accounts.

Access native AWS services

Easily integrate your Oracle workloads with native AWS services such as Amazon S3 for backup, storage, and archiving.

Key Benefits

Effectively run Oracle Real Application Clusters

- Oracle Real Application Clusters (RAC) require Shared Storage and Multicast Layer 2 Networking
- These requirements are difficult to meet by just installing Oracle RAC on AWS
- However, by running Oracle RAC on VMware Cloud on AWS those requirements are met and the solution can be deployed and used more effectively

Run mission critical Oracle RAC workloads on VMware Cloud on AWS

- Deploy applications across multiple servers for more effective load management
- Avoid single points of failure from impacting the applications availability to end-users
- Employ multiple Application Middle Tiers with the Oracle Database RAC to increase reliability and high availability

Technology considerations for Oracle RAC

- Oracle Clusterware is the software required to run Oracle RAC for Oracle databases
- Use Oracle Automatic Storage Management for your database store to reduce the administrative overhead
- Consolidate data storage into a small number of disk groups (also helps improve I/O performance)

Oracle E-Business Suite

- Integrated set of Oracle business applications such as Enterprise Resource Planning, Customer Relationship Management, and Supply-chain Management
- Running Oracle databases and applications on VMware Cloud on AWS helps to improve the availability and scalability of these services throughout your environment

Manage variable workloads more effectively

- Benefit from the flexibility of on-demand scalability
- Shorten demand forecasting cycles
- Reduce spending practices on over-provisioned hardware capacity

Licensing options

- You can leverage your Oracle licenses to run workloads on VMware Cloud on AWS
- Reduce costs by disabling extra or unnecessary physical cores in servers
- VMware Cloud on AWS now supports Custom CPU Core Count capability

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 Oracle databases, applications, and workloads to VMware Cloud on AWS. To get the process started, work with an AWS or business partner led Proof-of-Concept to explore what is possible.