



# Migrate SQL Server applications directly to VMware Cloud on AWS

Optimize agility, availability, and performance without modifying applications



Zadara hybrid cloud storage service for VMware Cloud on AWS delivers simplified application backup, advanced replication, and comprehensive disaster recovery capabilities, while providing a path to dramatically reduced Microsoft SQL Server licensing costs.

## **Migrate SQL Server applications directly to VMware Cloud on AWS, virtually unmodified, with Zadara hybrid cloud storage services**

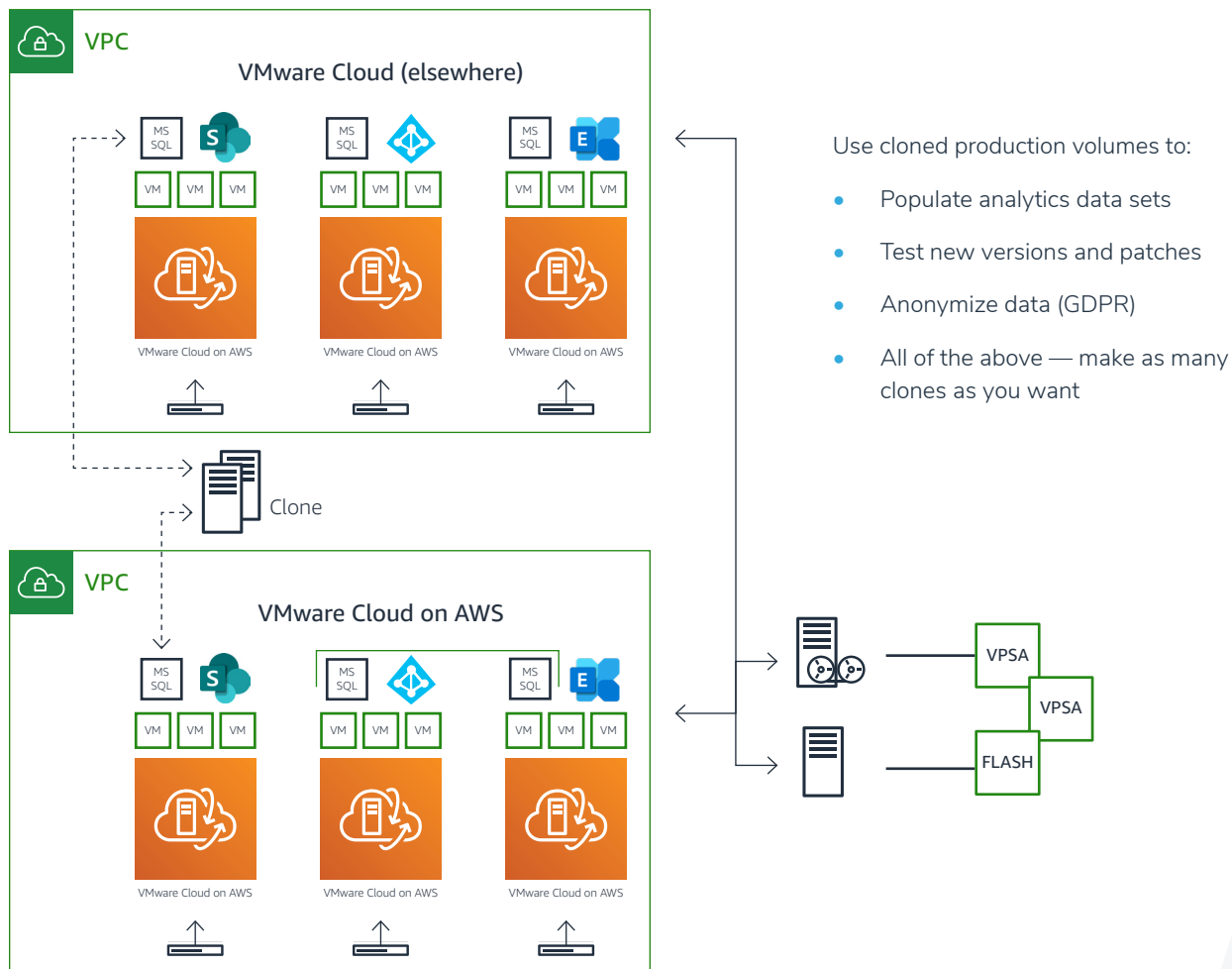
VMware Cloud on AWS enables VMware users to build hybrid clouds that leverage familiar tools and existing skillsets to simplify cloud migrations. Zadara hybrid cloud storage delivers full enterprise capabilities as a managed service, flexibly consumed as OpEx. Taken together, Zadara hybrid cloud storage and VMware Cloud on AWS offer enterprises an optimal path to migrate applications based on Microsoft's SQL Server to hybrid clouds, virtually unmodified.

For most organizations, the primary barriers to moving enterprise applications to the cloud are the applications themselves – many existing enterprise critical applications require significant rewrites, if not complete replacement, to operate reliably in cloud environments. Legacy applications

based on databases like Microsoft's SQL Server can be particularly susceptible to this challenge, especially in light of complex, somewhat volatile, and often surprising licensing requirements. For instance, the SQL Server Always On Availability Groups feature is required to provide failover for sets of associated databases. However, implementing this feature requires users running SQL Server Standard Edition to upgrade to Enterprise Edition, significantly increasing licensing costs.

Fortunately, by leveraging Zadara's full-featured support for Windows Server Failover Clustering (WSFC), VMware Cloud on AWS users can now implement database failover without the requirement to upgrade their SQL Server to Enterprise Edition.

Fortunately, the combination...



Beyond the SQL Server license cost savings, users deploying Zadara hybrid cloud storage services to support their VMware Cloud on AWS environments gain enterprise functionality that is missing in VMware Cloud's VSAN, including:

- VSAN offers limited support for Windows Server Failover Clusters (WSFC), which can increase costs associated with high-availability applications servers, like Microsoft SQL Server
- VSAN cannot independently scale storage and compute, which can result in overspending on infrastructure. Zadara storage scales up or down, on demand, enabling users to link expenses directly to actual requirements
- VSAN offers limited business continuity and disaster recovery options that make it more complex and expensive to achieve multi-zone and multi-site availability. Zadara storage offers a comprehensive suite of cloud migration, data replication, and disaster recovery capabilities
- VSAN is flash-only, requiring all applications to consume flash capacity, regardless actual business-driven performance requirements. Zadara storage offers multiple performance tiers, enabling users to optimize cost/performance balance
- VSAN capacity is only addressable from within the Software Defined Data Center, requiring users to pay egress fees to migrate application data between clouds. Zadara storage is cloud-adjacent and addressable from multiple clouds



By combining Zadara Hybrid Cloud Storage Service with VMware Cloud on AWS, SQL Server users can:

- Deliver fully capable hybrid cloud environments that natively support simplified “lifting and shifting” of unmodified applications to cloud infrastructure
- Deploy highly available SQL Server without incurring cost of SQL Server Enterprise Edition licensing costs
- Take full advantage of Software Assurance license mobility
- Make data instantly available for uses like test and development, reporting and business intelligence, and machine learning with advanced replication capabilities
- Enable highly available backup and restore operations with native backup and archiving to AWS S3

## About Zadara

Zadara offers agile, secure enterprise cloud storage as a fully managed service, with a 100%-uptime SLA and consumption-based pricing. Any location, any data type, any protocol. Zadara offers resource isolation, exceptional security, and management control. Get Zadara on premises and through cloud and colocation providers.