

A woman in a white ribbed shirt and a man in a light blue shirt are looking at a laptop in a server room. The woman is holding the laptop and pointing at the screen, while the man stands behind her, also looking at the screen. They are both wearing lanyards with ID cards. The background shows server racks with various cables and equipment. There is a blue circular graphic in the top left corner and a white line graphic on the left side of the image.

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VMware Cloud on AWS

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Description

VMware Cloud on AWS is a Zensar offering which provides a comprehensive solution for running VMware workloads on the AWS cloud infrastructure. This offering leverages the partnership between VMware and AWS to deliver a seamless and integrated experience for customers looking to migrate, scale, or modernize their IT environments. With this Zensar offering, organizations can benefit from the agility and scalability of AWS while also leveraging the familiar VMware tools and processes.



Business challenges addressed

VMC on AWS can be used to address the following business challenges:

App Modernization:

Businesses can leverage VMC on AWS to modernize their applications by migrating them to the cloud without the need to re-architect their applications or change their operational processes.

Cloud Migration:

VMC on AWS can help businesses migrate their existing VMs to the AWS cloud, which provides the flexibility and cost-effectiveness of cloud computing while maintaining the familiarity and operational consistency of their existing VMware environment.

Data Center Extension:

VMC on AWS can help businesses extend their on-premises data center to the cloud, providing additional capacity and redundancy.

Cloud VDI:

VMC on AWS enables businesses to deliver virtual desktops from the cloud, providing a flexible and scalable solution for remote work and enabling better collaboration.

Disaster Recovery:

VMC on AWS provides built-in disaster recovery capabilities, allowing businesses to replicate workloads to a different AWS region and ensuring quick recovery from any unforeseen disasters or disruptions.



Partner play and the value we add

Our solution provides value to businesses by enabling them to migrate their existing VMware workloads to the AWS cloud. As a partner, we would offer the following services:

Strategy & Consulting Services:

We offer strategy & consulting services to businesses interested in migrating their workloads to the cloud. This involves assessing the customer's current infrastructure, identifying the best migration strategy, and providing guidance on how to implement the migration.

Migration Services:

We offer migration services that involve the actual transfer of the VMware workloads to the AWS cloud. This includes planning and executing the migration, as well as providing ongoing support to ensure that the workloads are running smoothly in the cloud. Additionally, we offer custom solutions tailored to the specific needs of businesses that want to migrate their VMware workloads to the AWS cloud. This involves developing custom migration plans, creating specialized tools and technologies to support the migration, and providing ongoing support to ensure that the migration is successful.

VMware Operations Services:

We offer training and support services to businesses that want to learn to manage their VMware workloads in the AWS cloud. This involves providing training on cloud-based tools and technologies, as well as ongoing support to help businesses optimize their cloud infrastructure.

As a partner, we add value by helping businesses assess their current infrastructure, plan the migration, perform the migration, and provide ongoing support. We can work with businesses to determine which AWS services and VM types would be best suited for their needs and develop a migration plan that minimizes disruption to their operations. We can also provide ongoing support, including monitoring the performance of the AWS VMs and making any necessary adjustments.



Reference architectures

Hybrid Cloud Extension (HCX) Architecture:

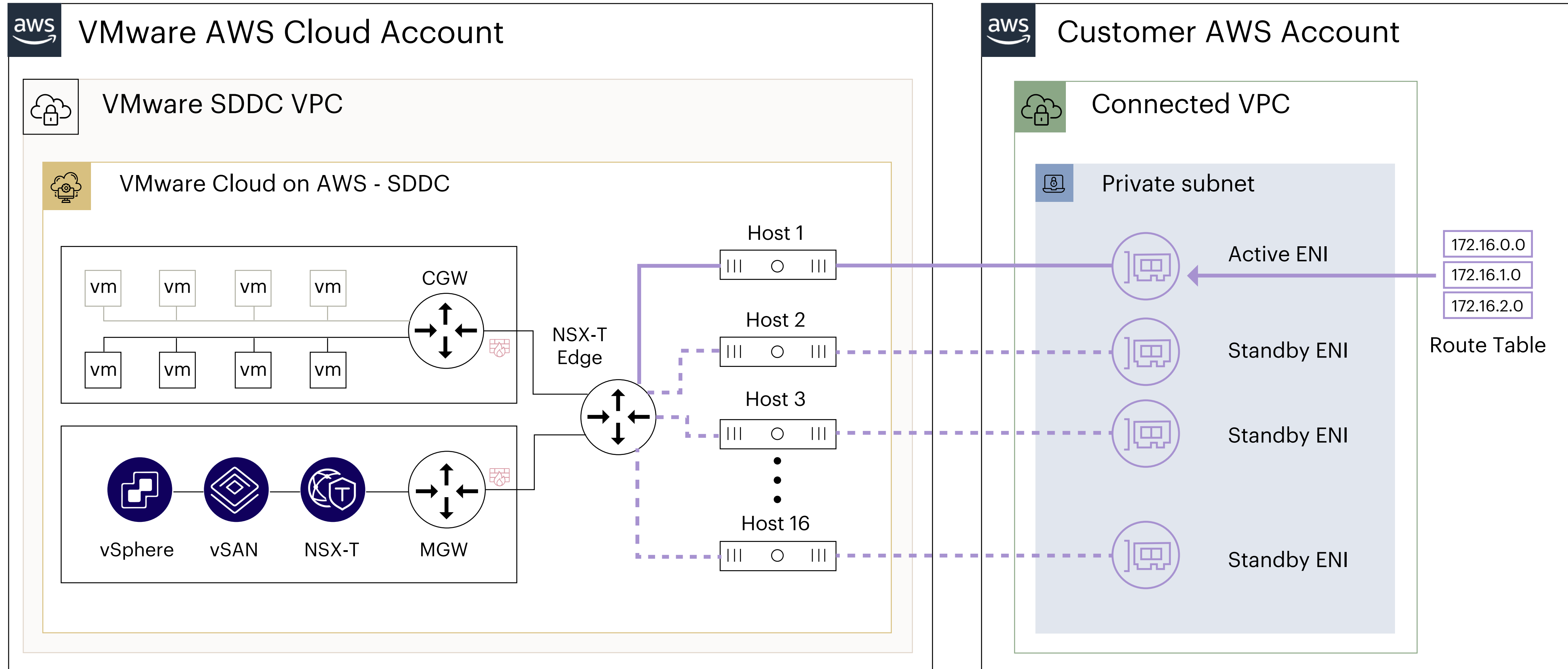
This architecture provides a way to seamlessly extend on-premises vSphere environments to VMware Cloud on AWS. It enables workload migration, application mobility, and disaster recovery across vSphere environments, making it an ideal solution for businesses that need to scale their operations quickly.

Disaster Recovery to VMware Cloud on AWS Architecture:

This architecture is designed to provide a disaster recovery solution for on-premises vSphere environments. It uses vSphere Replication and Site Recovery Manager (SRM) to replicate virtual machines to VMware Cloud on AWS. In the event of a disaster, the virtual machines can be quickly recovered on VMware Cloud on AWS, minimizing downtime and ensuring business continuity.

Cloud Migration Architecture:

This architecture is designed to help businesses migrate their existing workloads to VMware Cloud on AWS. It includes tools like vSphere Replication, vSphere Storage vMotion, and vSphere vMotion to enable businesses to migrate virtual machines to the cloud without disruption to their operations.



VMware Cloud on AWS reference architecture

High Availability and Disaster Recovery Architecture:

This architecture is designed to provide high availability and disaster recovery capabilities for business-critical applications running on VMware Cloud on AWS. It includes services like VMware Site Recovery and vSphere High Availability to ensure that applications remain available in the event of a disaster.



Benefits

By leveraging VMC on AWS, businesses can enjoy the following benefits:

Simplified Infrastructure:

VMC on AWS eliminates the need for on-premises hardware and infrastructure, thus simplifying the infrastructure and providing a fully managed, cloud-based solution. This simplification results in reduced costs and increased operational efficiency.

Agility and Flexibility:

With VMC on AWS, businesses can scale infrastructure up or down in lesser time, providing the agility and flexibility required to meet changing business needs. This agility enables businesses to quickly respond to changing market conditions, customer demands, and new opportunities.

Disaster Recovery Capabilities:

VMC on AWS comes with built-in disaster recovery capabilities, enabling businesses to replicate workloads to a different AWS region. This replication ensures that businesses can maintain their operations in the event of an outage or disaster, reducing the risk of data loss and downtime.

Cost-Effective:

VMC on AWS eliminates on-premises hardware and infrastructure, resulting in reduced costs. Additionally, VMC on AWS uses a pay-as-you-go pricing model, enabling businesses to pay only for the resources they use.

High Level of Security and Compliance:

VMC on AWS provides a high level of security and compliance, including support for encryption at rest and in transit, and compliance with various regulatory standards such as HIPAA and GDPR. This high level of security ensures that businesses can maintain the privacy and confidentiality of their data while meeting regulatory requirements.



Success Stories

- Our client, a leading North American provider of long-term, low-cost American-produced liquefied natural gas, was dealing with a traditional backup system without any disaster recovery services. The threat of data loss and business interruption was real. Moving to a cloud-based disaster recovery system became critical for business continuity. We used our expertise to help the client modernize its backup system and secure its digital identity. This resulted in the following benefits for the client.
 - 80 percent reduction in administration efforts
 - Empowered the business to innovate 4x faster with the agile DB ecosystem
 - Helped effectively compete with startups while gaining a competitive edge over a diversified business landscape
 - Enabled the delivery of superior products and experiences 2x faster
 - Attained 4x efficiency improvement in acquiring and retaining customers
 - Achieved a 3x increase in realizing synergies with complex M&A
 - Reduced burst cost by 75 percent with a cloud-ready reference architecture for data centers
- Our client, a leading US-based sporting goods company operating across different geographies sought a hybrid cloud backup solution and cloud instantiation for 11 locations spread across three continents. The aim was to reduce time and enhance efficiency with a single-pane-of-glass view to manage the backup infrastructure for all workloads and minimize risks to the business. Zensar implemented a comprehensive cloud-based backup and archive solution with one-click deployment, leading to the following benefits:
 - Easy and quick access to backup and archived data
 - 90 percent TCO reduction through backup and archive to Azure cloud resources
 - 95 percent reduction in backup time
 - Single-pane management view for servers, containers, and data services, providing a seamless hybrid experience

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We conceptualize, build, and manage digital products through experience design, data engineering, and advanced analytics for over 145 leading companies. Our solutions leverage industry-leading platforms to help our clients be competitive, agile, and disruptive while moving with velocity through change and opportunity.

With headquarters in Pune, India, our 11,500+ associates work across 30+ locations, including Milpitas, Seattle, Princeton, Cape Town, London, Singapore, and Mexico City.

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