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VMware Cloud on AWS

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Zensar's proprietary offering, VMware Cloud on AWS, leverages the strategic partnership between VMware and AWS to provide customers with a seamless and integrated solution for migrating, scaling, and modernizing their IT environments on the cloud infrastructure of AWS. With this offering, organizations can benefit from the agility and scalability of AWS while also leveraging the familiar VMware tools and processes.



Business challenges addressed

Infrastructure App Modernization:

Businesses can leverage this offering 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:

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

Cloud VDI:

This offering 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.





Reference architectures recommended by AWS/VMware

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:

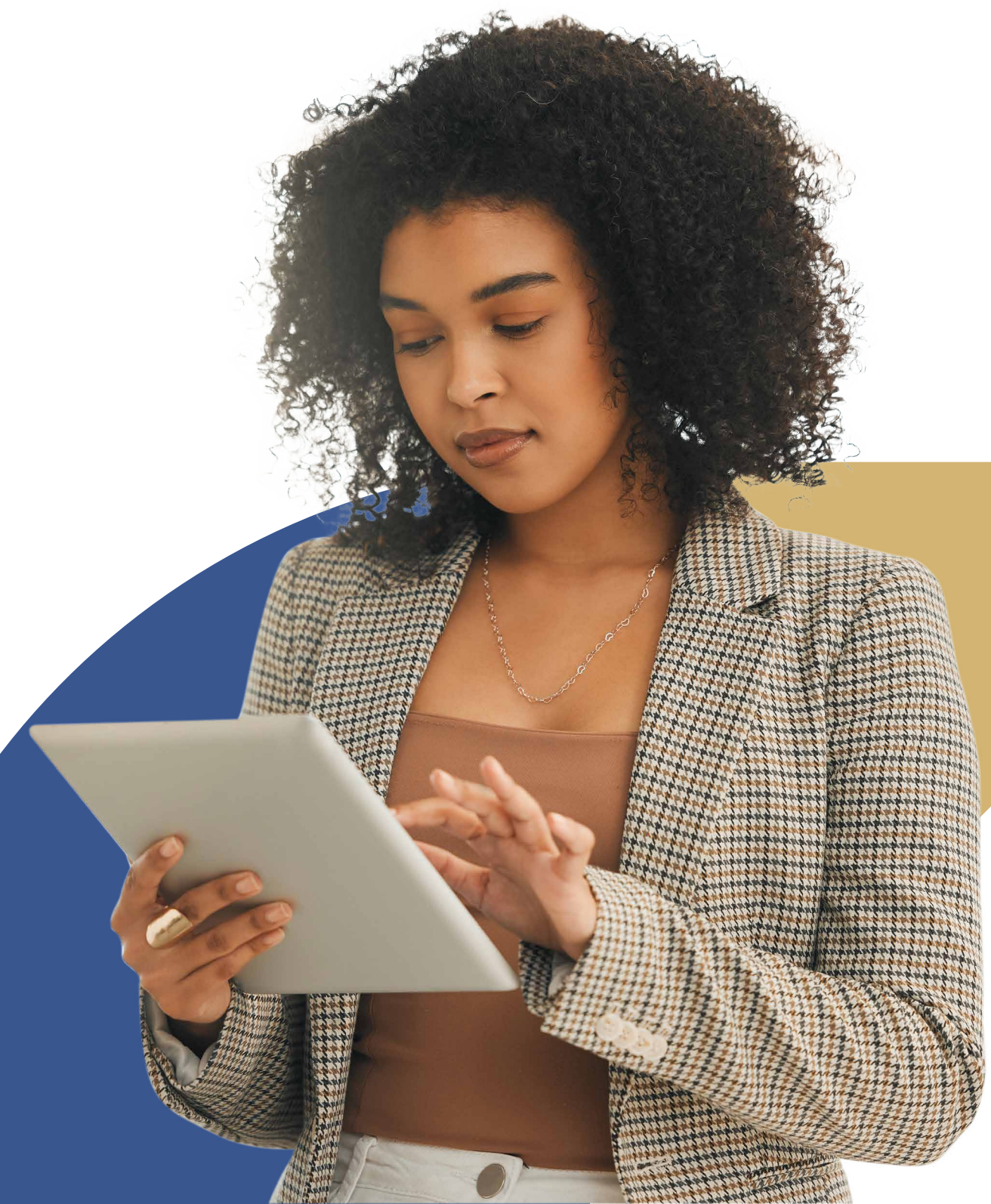
This architecture is designed to provide a disaster recovery solution for on-premises vSphere environments. It uses vSphere Replication and Site Recovery Manager (SRM) to replicate virtual machines to VMware Cloud on AWS. In the event of a disaster, the virtual machines can be quickly recovered on VMware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

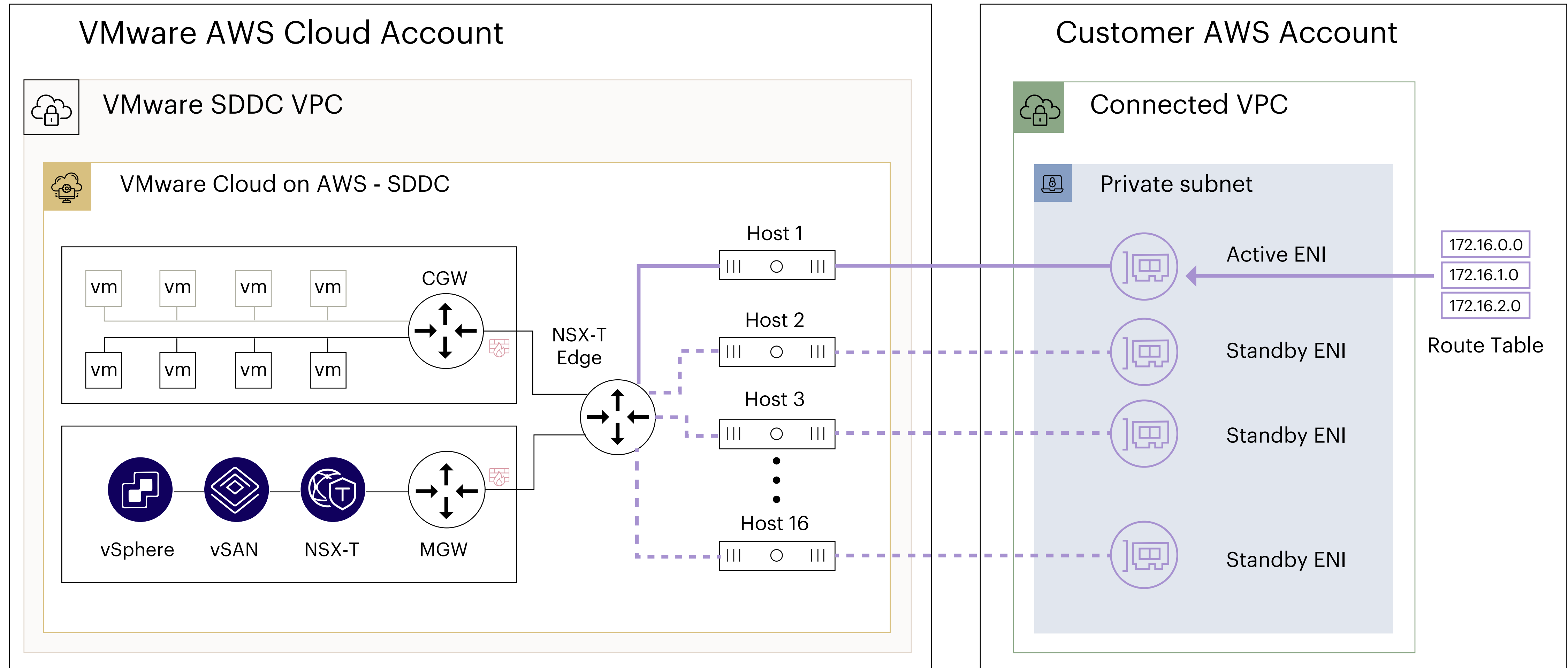
High Availability and Disaster Recovery Architecture:

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.





VMware Cloud on AWS reference architecture





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 reduction of physical servers and optimized resource utilization, which leads to lower costs, increased efficiency and minimizes the overall environmental impact associated with data center operations.

Agility and Flexibility

With this Zensar offering, 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. By provisioning and deprovisioning VMs as needed, unnecessary resource consumption is reduced, leading to minimized e-waste.

Disaster Recovery Capabilities

It 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

The offering 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 and there are no licensing costs associated with it.

High Level of Security and Compliance

It 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.



Why partner with Zensar?

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

Established market leadership

As a market leader in the virtualization and cloud infrastructure industry, Zensar serves a diverse customer base ranging from small businesses to large enterprises across various sectors. Our solutions have been trusted by organizations worldwide to streamline their operations, enhance flexibility, and drive digital transformation.

Expertise and Innovation

We bring together a team of highly skilled and certified VMware experts who possess deep knowledge and experience in virtualization and cloud infrastructure. We take pride in our ability to anticipate industry trends and deliver innovative products that address evolving business needs.

Strong partnership network

As a Premier Partner, Zensar boasts of a close partnership with VMware, which grants us early access to product updates, technical support and collaboration opportunities. This partnership enables us to provide the client with the most advanced features and capabilities related to VMware Cloud on AWS.

20+ global clients

500+ Cloud
Architects & SMEs

40% VMware
Certified Associates

Readily available templates and accelerators

We have streamlined the migration process leveraging our extensive library of pre-defined templates and deployment accelerators, including ZenAssess (VMware Cloud on AWS Migration Assessment Tool), ZenCloudFlow (VMware Cloud Director), ZenConvert (VMware vCenter Converter) and ZenRecover (VMware Site Recovery Manager).

Committed support and services

We are dedicated towards providing exceptional support and services to our customers. With our team of experts, you can expect timely technical assistance, comprehensive training resources, and tailored consulting options to ensure you derive maximum value from VMware Cloud on AWS.

Visionary future roadmap

Our ongoing commitment to innovation means that we are continuously investing in the development of VMware Cloud on AWS offering. We have an ambitious roadmap that encompasses various areas of improvement and expansion. Some of the key areas we are focusing on include:

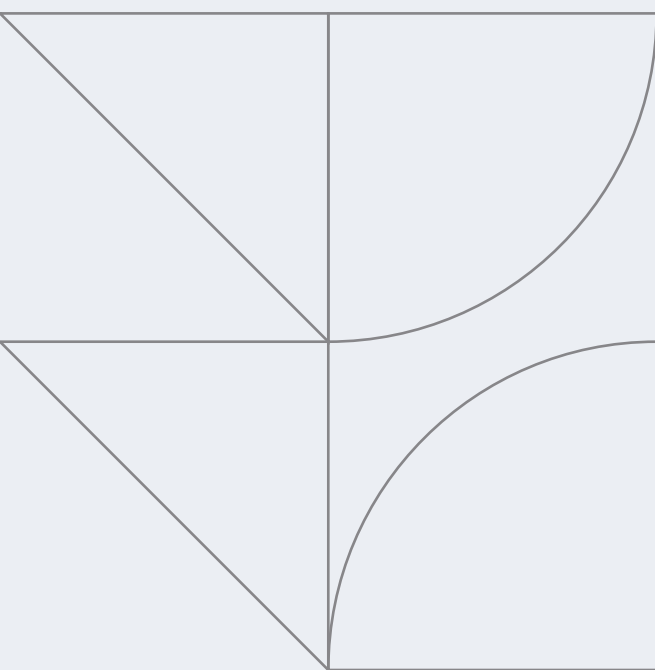
- **Enhanced Security**
- **Advanced Automation**
- **Leveraging Advanced Automation capabilities of AWS**
- **Expanded Global Footprint**



Success Stories

■ Our client, a major US city was looking to set up a strong technical infrastructure to become future ready and meet the demands of an ever burgeoning population aspiring for higher standards of living. It also wanted to be seen as an attractive destination for tech companies looking for new locations with minimal business hurdles. In anticipation of further growth and in an effort to increase the city's desirability, migration of existing infrastructure to the cloud was initiated. The city administration understood the move to the cloud would provide more agility, elasticity and faster time to market for their departments to perform. However, it also needed to ensure federal regulations, compliance, and security and governance requirements would proactively be met well before it could start utilizing cloud services for production and development purposes. Zensar transformed the city's legacy on-premise datacenter to NextGen Hybrid Cloud infrastructure leveraging its VMware Cloud on AWS offering which resulted in the following benefits:

- With the latest customized solutions built through AWS Control Tower, the city had dynamic security, **100% compliance and governance for any new AWS account.**
- **New account creation was automated and took a few minutes to complete**
- **Infrastructure spends reduced by 12%**
- In-time data center consolidation **resulted in penalty avoidance to the tunes of \$3mn**
- Self-provisioning enabled the city to offer self-service capabilities to end users with **two-level approval workflow utilizing AWS cloud native solutions**
- Future updates to existing accounts were simplified with automated pushes of new product versions. **These solutions were implemented at a cost of less than \$20 per month**
- City departments could now easily collaborate by following simple security processes and still maintain separate data and services as required to meet compliance requirements.





Success Stories

- Our client, a global leader in respiratory care was looking at digital solutions to improve patient outcomes and provide an enhanced experience to its global customers to accelerate their growth. Zensar partnered with the client to help execute their ambitious growth plans with a focus on transforming their environment to an automated, highly agile and integrated apps-infra target operating model with a clear objective of delivering measurable returns and strengthening its position within the healthcare industry. The project involved hybrid cloud design, deployment & migration leveraging AWS. Additionally, Zensar deployed Digital Workplace services and Digital Cloud operations frameworks enabled by our flagship autonomies platform The Vinci™. This resulted in the following benefits for the client:
 - **Cloud operating costs reduced by 35%**
 - **15% reduction** in volume of incidents triggered
 - **~47% reduction** in ticket backlogs within the first 3 months of go-live
 - **Handling 10x additional volumes of business transactions** during COVID-19
 - Next-Gen Architecture with Hybrid Cloud (On-Prem Private cloud & AWS Public Cloud)
 - Secure, Stable & Scalable IT Environment



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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.

For more information please contact: velocity@zensar.com | www.zensar.com

