Maximizing the Power of Cloud with Hyperconverged Infrastructure/Invisible IaaS

zensar

An RPG Company
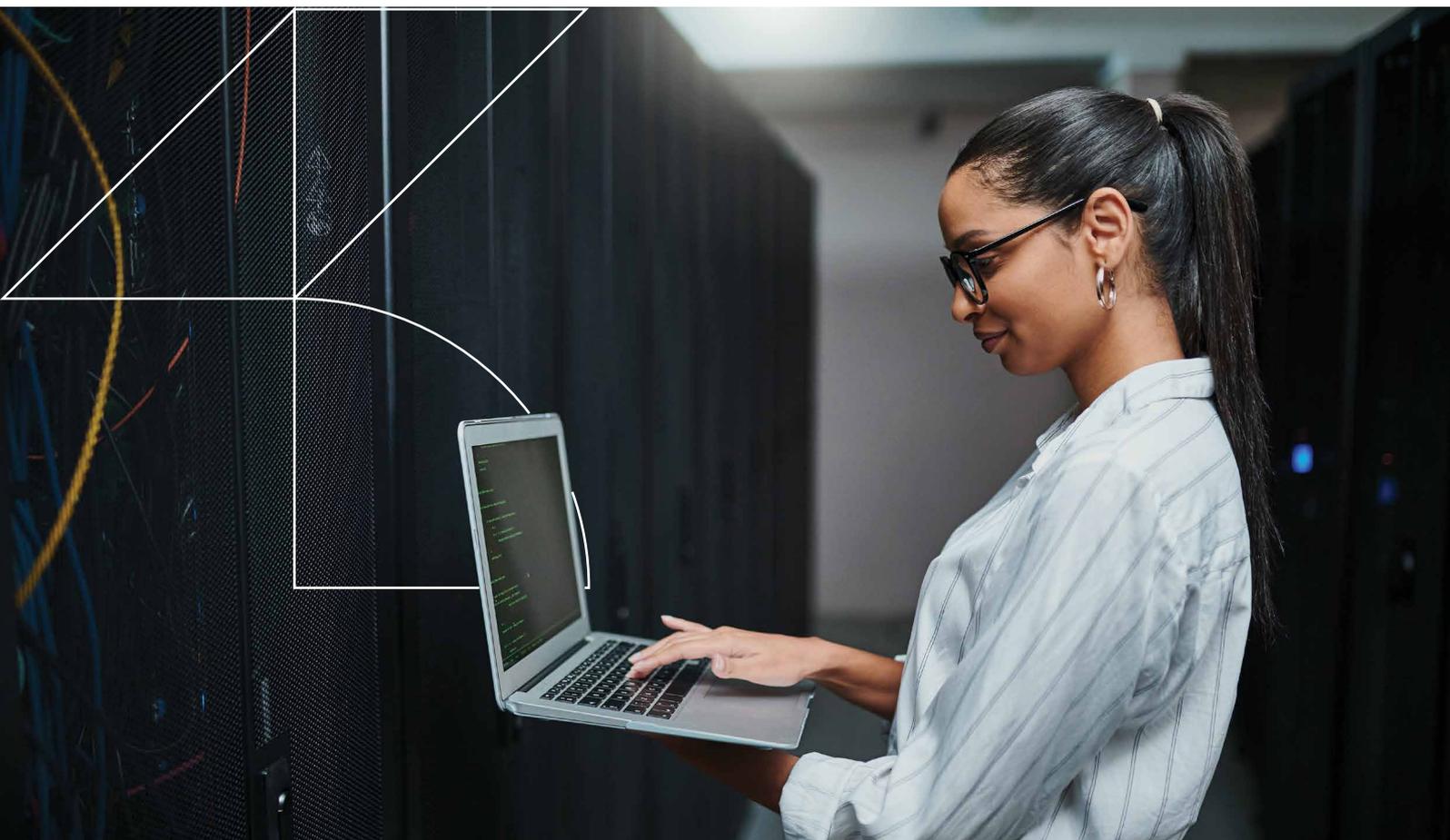
Global spending on cloud services will surpass $1.3 trillion by 2025 at a compound annual growth rate (CAGR) of 16.9%, the International Data Corporation (IDC) predicted in late 2021. Of this, expenditure on shared cloud services which includes Infrastructure-as-a-Service (IaaS) will be the fastest driver for growth at a CAGR of over 21.0% through 2025, reaching $809 billion.

As organizations move towards digitalization, the volumes of data they collect will increase exponentially. And how this data is stored, accessed, and analyzed will need to be highly evolved, to drive the agility they will need to outdistance their competitors in a fierce environment.

Large companies are now turning to external providers not merely to design, build and manage their server and storage solutions in a cost- and resource-optimal manner, but to deliver a streamlined end-user experience that will help harness data effectively and reliably for competitive advantage.

Here is how Zensar can support you on this path.

ZCloudStrategics: Zensar's Hybrid Multi-Cloud Infrastructure

Zensar has always been in step with the evolution of cloud solutions. One of the first providers to facilitate hybrid clouds, we moved quickly to mature offerings. The start of the decade saw us solving our clients' data center issues with multi-cloud infrastructure, where we helped them get the best of multiple public clouds run by leading providers. We noticed clients needed an application layer to better access this environment and built it.

As more advanced environments emerged to support rapid digitization, Zensar's partnerships progressed to offer the hybrid multi-cloud. Here, we work with you to arrive at the optimal combination of private and multi-cloud that functions within the ideal bounds of cost and physical space, to help you meet your business objectives.

The ZCloudStrategics hybrid multi-cloud approach allows certain infrastructure elements to be on-premises, some in a co-location facility, and the rest in public clouds run by various service providers, assigning functions based on the competence of the providers. As a result, applications and components can interoperate across borders (such as cloud vs. on-premises), cloud instances, and even architectures (for example, traditional versus modern digital). It also allows data to be disseminated optimally.

This environment greatly enhances application response and user experience by leveraging low-latency connections and proximity.

Bringing in Hyperconvergence

Complex environments need easy-to-use interfaces for access and monitoring if organizations have to get the best out of them. At Zensar, we have formed a strategic partnership with market-leading player Nutanix to create just such a hyperconverged infrastructure solution. Zensar's 100% software-defined HCI Solution is powered by The Vinci™ – an autonomics-driven AIOps platform comprised of a single interface to handle the five principal data center entities (Network, Storage, Server, Backup, DR) and consolidate the whole data center stack into a single, potent solution that minimizes your data center's footprint.

Scale at will

Enable transformation

Deploy quickly
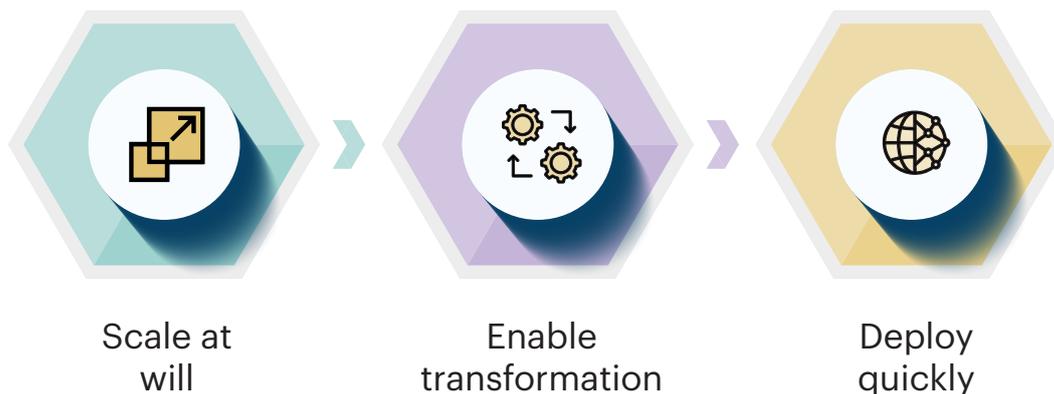
Zensar Invisible Infrastructure as a Service

Zensar's invisible Infrastructure as a Service (IaaS) applies the HCI layer to the hybrid multi-cloud infrastructure to drive transformation at speed and scale for large conglomerates and born-digital businesses. We eliminate the distinction between public, private, and even edge clouds to provide a seamless multi-cloud experience.

The Benefits

Unparalleled Agility
By 2025, Gartner projects that 80% of businesses would have abandoned their traditional data centers. Industry leaders today are creative businesses that have adopted software-defined technology, undertaken digital transformation, and gained the agility necessary to provide their customers with sophisticated and personalized experiences. Zensar's quick-to-setup IaaS will help you sustain this agility by scaling up and down as per your organization's needs with minimal disruption.

Intelligent Operations
Run your operations more intelligently with 24/7 monitoring and management. Discard numerous management consoles and achieve integrated control and visibility throughout the virtualized infrastructure stack. With a single dashboard that simplifies management, you can free your IT staff from day-to-day management to focus on leveraging strategic insights.

Cost Savings
Convert your CapEx to OpEx, increase your ROI, and reduce expenses by as much as 60% with a fractional consumption model that allows you to pay as you go. Commitment is minimal, and you no longer struggle with vendor lock-ins that force you to buy infrastructure in 3-to-5-year cycles. You can also eliminate cumbersome technology with each iteration and reduce associated maintenance costs.

Business Continuity
Knowing that your infrastructure is ready for worst-case scenarios is one of the best aspects of IaaS cloud computing. Our data centers are designed for security. We house equipment in data centers with powerful backup, cooling, and a highly secure network connection. Another advantage is reducing downtime; since the infrastructure is cloud-based, staff can work from home, saving you from losing precious uptime, even if a power outage shuts down your office equipment. It would also take far less time to rebuild your infrastructure in a crisis.

Why Zensar?

Compelling Credentials

With its track record of excellence, Zensar ranks among the industry's leading IaaS providers

960+ consultants	**2000+** bots	**9+ years:** Average consultant experience	**75+** customers
600+ certifications	**10+ years:** Average engagement duration	**15000+** security devices	**31+** countries covered

Powerful Partner Ecosystem

MORPHEUS   Cloudamize   StackStorm   PLATFORM9

ANSIBLE   turbonomic   RISC Networks   CAST HIGHLIGHT

Microsoft Azure   NUTANIX   Google Cloud   amazon web services

CISCO   DELL EMC   APPDYNAMICS   veeam

NetApp   Zerto   ManageEngine   vmware

tenable   zenoss   SOPHOS Cybersecurity made simple   dynatrace

Radar

Zensar helps a leading US Vision Insurer consolidate, migrate, and modernize its database and reduce data center footprint

Challenges

The client had well-maintained data and was looking for avenues to monetize it by unlocking valuable business logic. They also wanted to minimize Sev1/Sev2 incidents to boost productivity. By enhancing the use of technology, the client wanted to build stronger relations between the mainline business teams and IT, especially in the DB space, and foster innovation. Improvement of compliance and governance, so that the company could stay competitive with agile, cloud-native startups was another objective. The adoption of cloud neutrality, compute neutrality, and DB engine neutrality to increase productivity, reduce the overall cost, and hold enterprise steady was another challenge to be met.

Solution

◢ Consolidate, Migrate and Modernize existing data centers and current DR site.

◢ Build a new software-defined data center, with the latest hyperconverged technologies, set up DR with RPO/RTO in minutes, automate, optimize, and improve the efficiency of DB operations while reducing the cost to maintain and manage the DB landscape without comprising business agility.

◢ Transform the DB tower from a laggard to a leader within the IT ecosystem.
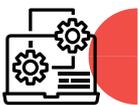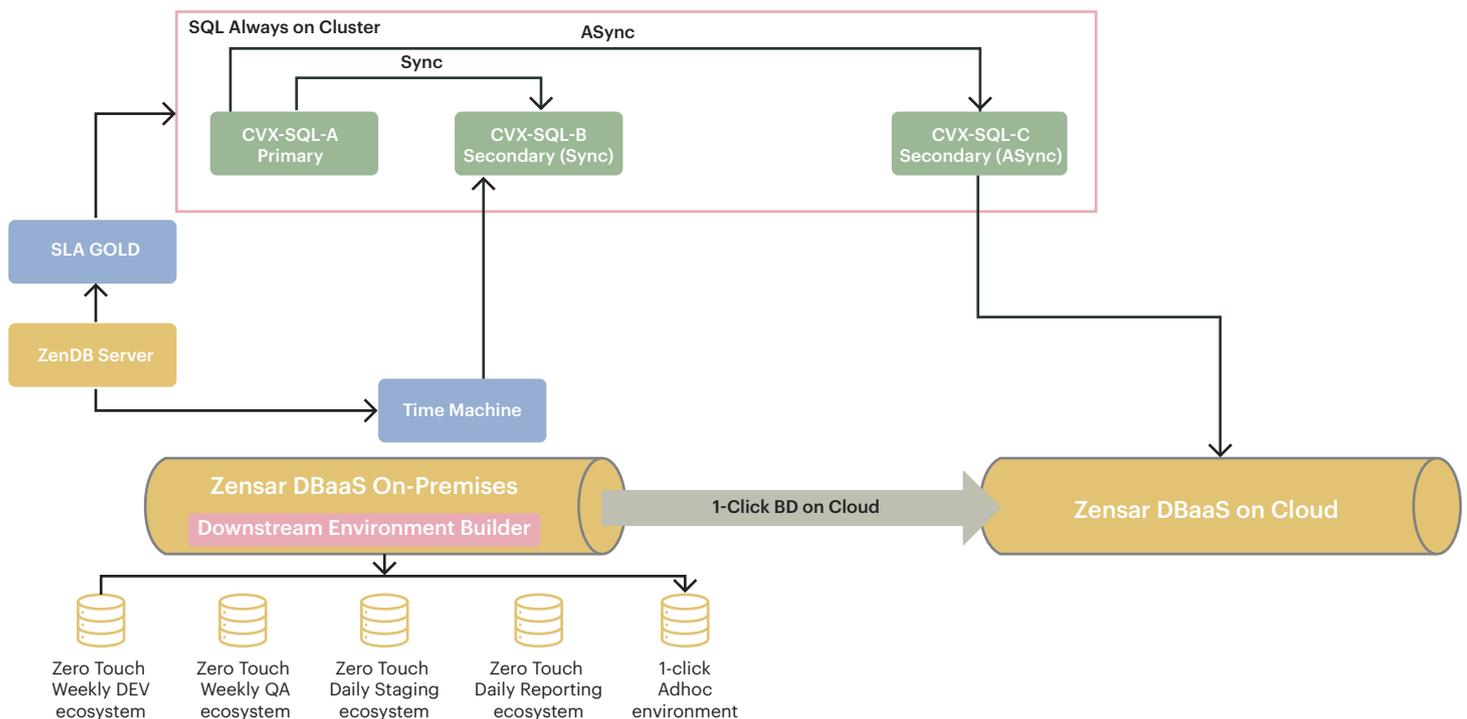
Business impact

- 80% reduction in consolidated DC footprint and associated cost
- 4x faster innovation with agile DB ecosystem
- Effectively compete with startups while gaining a competitive edge over a diversified business landscape
- 2x faster delivery of superior products and better experiences
- 4x efficiency improvement to acquire and retain customers
- 3x increase in realizing synergies with complex M&A.
- 75% reduction in burst cost with cloud-ready ref. architecture
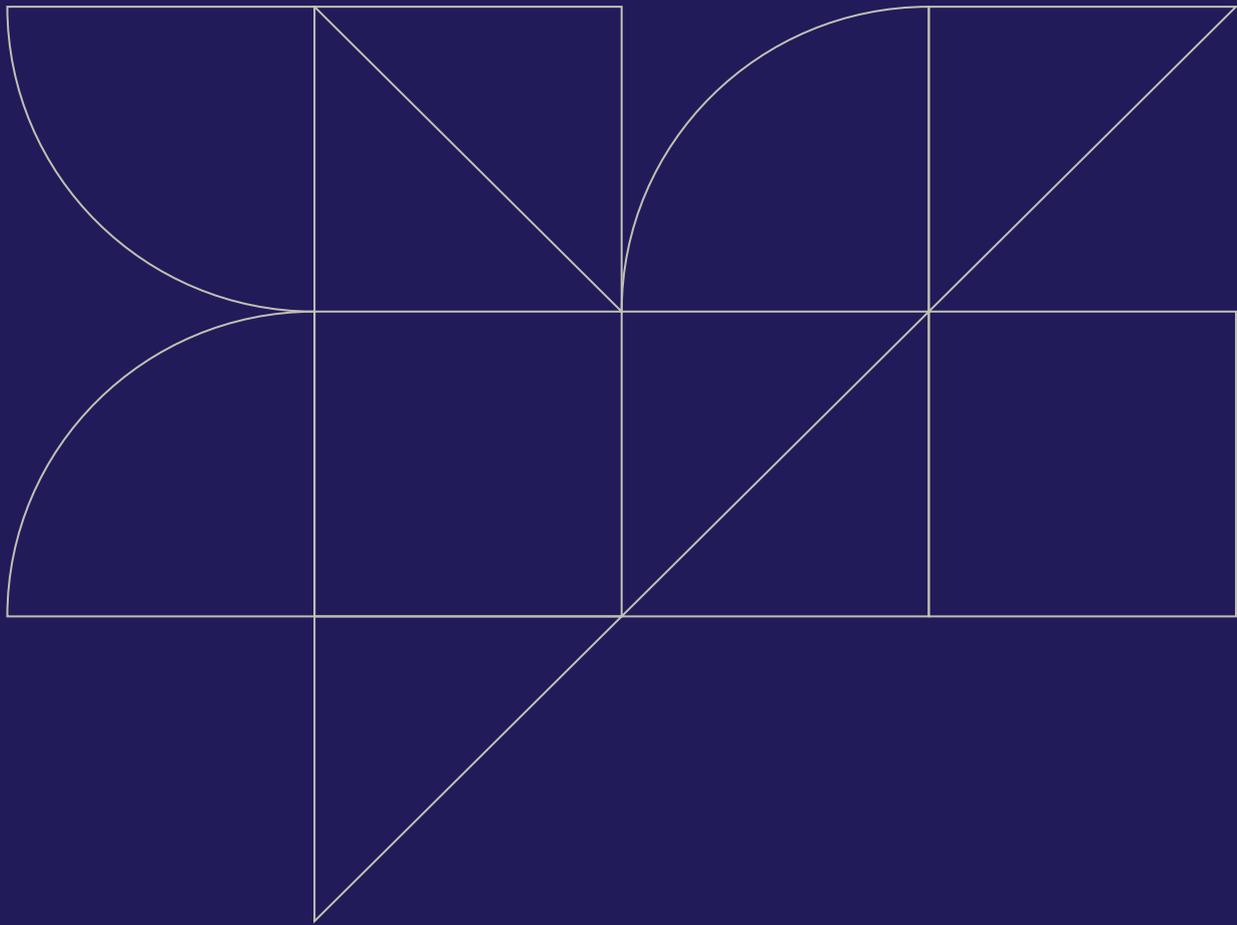
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We conceptualize, build, and manage digital products through experience design, data engineering, and advanced analytics for over 145 leading companies. Our solutions leverage industry-leading platforms to help our clients be competitive, agile, and 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