

NUTANIX™

ZenSar

Zensar's Nutanix Zero Touch IT Fully Integrated Cloud-as-Code Design

At Zensar we practice a co-creation approach with our clients and design modular solutions to deliver services that could be consumed by any organization at any level of maturity in their digital journey. The Zensar services portfolio cuts across development and maintenance services for all enterprise applications, customer experience management, network and security operations management, data center transformation and cloud consulting services.

Zensar's Cloud and Infrastructure Services brings the power of cost optimized hybrid cloud to Enterprise data centers. This hybrid cloud is designed using the ZenCloud Reference Architecture and offers the Infrastructure cost savings associated with the Nutanix Hyperconverged Technology which combines the aspects of Compute, Network, Storage, Backup and DR into a single footprint. Simplicity through automation is the core tenet of this Zensar-Nutanix hybrid cloud design and is achieved through near "Zero Touch" interaction aided by 100% catalog-based consumption model that caters to business users and IT infrastructure management teams alike.

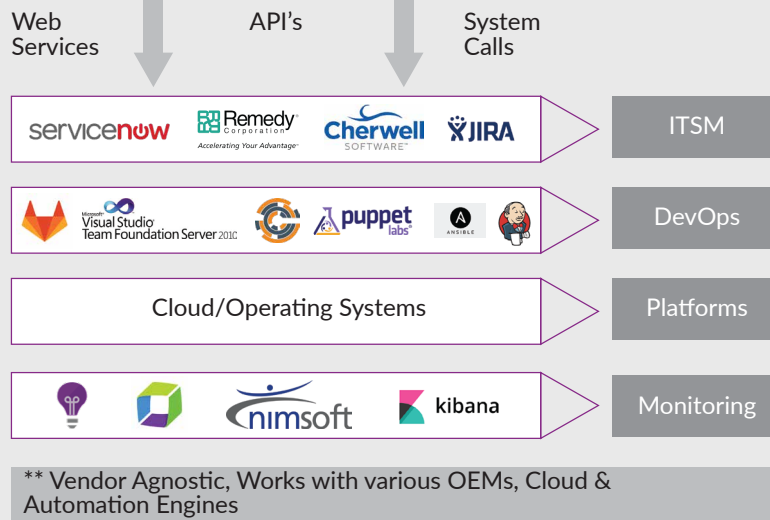
Key features of the Zensar's Nutanix Zero-Touch IT Solution include:

- A feature rich and cost optimized on-premises solution that can seamlessly burst into the public cloud.
- Continuous monitoring of workloads to ensure "right sized" consumption
- Customized blueprints that manage the end-to-end App-Infra lifecycle
- Catalog based infrastructure provisioning that consumes the on-premises private cloud or any choice of public cloud platforms (AWS, Azure, GCP, Nutanix Xi etc)
- Zensar's the VINCI fabric integrates with ITSM platforms and enterprise tools to seamlessly migrate workloads between on-premises or public clouds.
- Auto-discovery, automated monitoring, remediation and self-service
- Zensar offers 24/7/365 managed services to reduce operational cost through shift-left and shift-zero

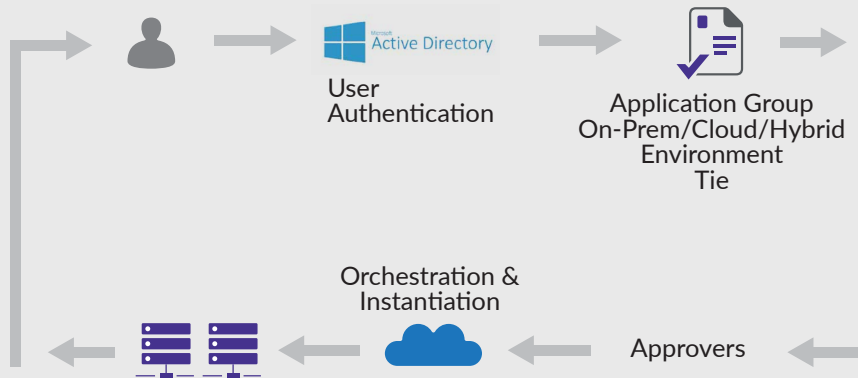
ZenCloud Reference Architecture



ZenCloud Cloud Platform



Provisioning Workflow



Blueprint Application

Self service Catlog

Customizable Approval

Instant Provisioning

Policy Engine

Patching Hardening

Software Deployment

Authorization Authentication

Instance Lifecycle Mgmt

Integrated reporting

Metering Chargeback

Lease Mgmt

ITSM Intergration

Monitoring Enablement

Auto Scaling

Capacity Tracking

Zensar's Zero Touch IT – Out of the Box deployment

Setup Tools Fabric

01	Install and configure GitLab.	02	Install and configure Ansible Tower.
03	Setup ServiceNOW instance.	04	Install and configure ServiceNOW MID server.
05	Setup VM Templates	06	Configure ServiceNOV, CMDB.

Create Service Catalog for IaaS, DBaaS

01	Standard (Small/Medium/Large).	02	Platinum (Small/Medium?Large).
03	Setup ServiceNOW CMDB.	04	Create approval workflow.

Setup Automation

● Enable Ansible Roles ●

01	Platform automation - essential roles (resource availability, IP, CMDB updates)	02	IaaS - Windows 2016 Standard/ Datacentre with domain join.
03	PaaS - MSSQL 2016 Standard/ Developer edition with mixed mode authentication and AOAG.	04	DBaaS - Database creation on SQL server standalone and AoAG.

● Create Ansible Workflow ●

01	Ansible workflow for IaaS	02	Ansible workflow for PaaS
03	Ansible workflow for DBaaS		

● Integrate Workflow with the interfacing environments ●

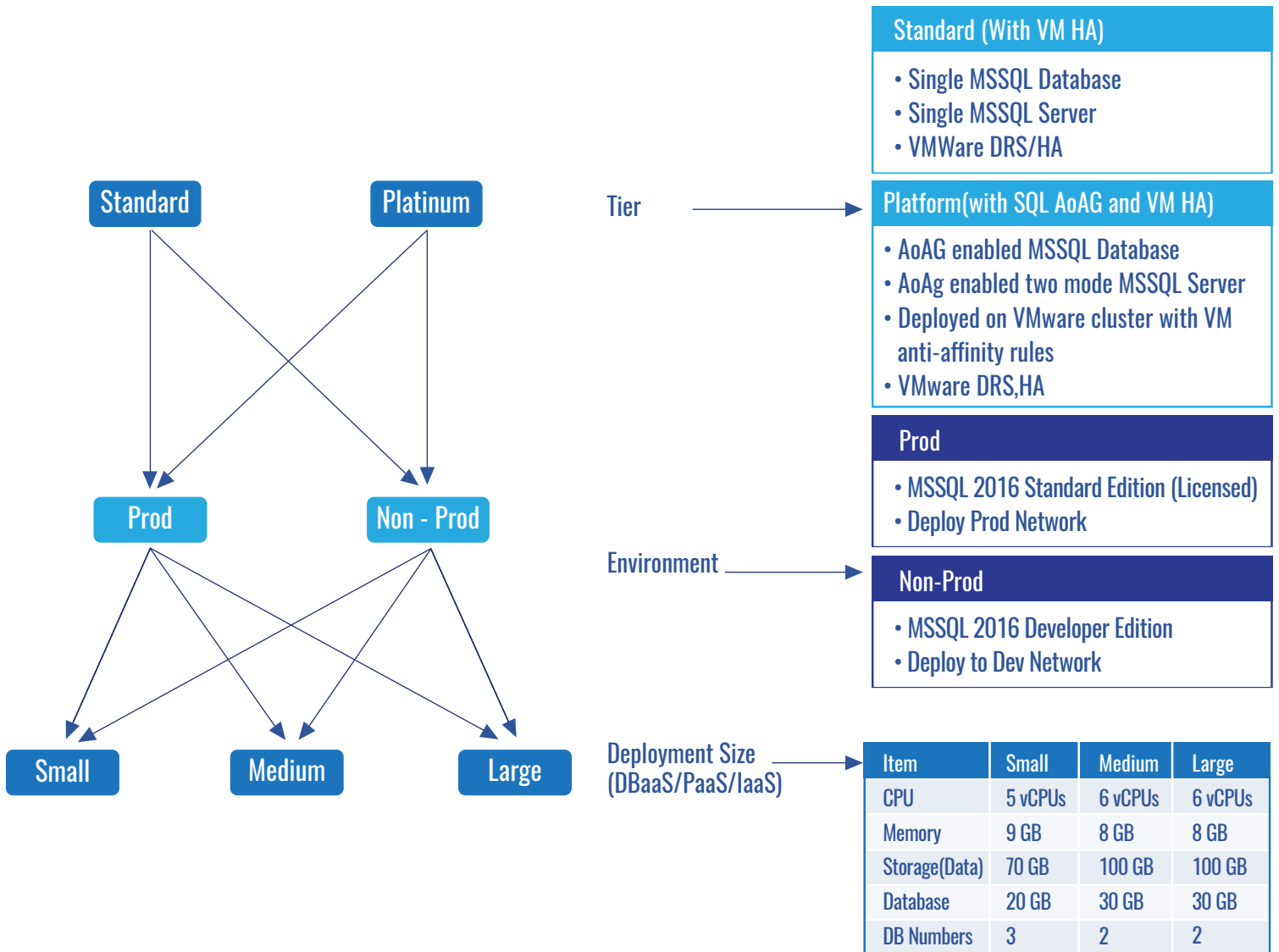
01	Integrate with Active Directory	02	Integrate with DNS
03	Integrate with VMWare		

Setup Automation

01	Business User Productivity - consume Service Catalog to quickly provision IaaS, PaaS and DBaaS.	02	Track Infrastructure Provisioning - Managers will get approval emails to track requirement for the project.
03	Empower IT Administrators - ready access to automation for faster and seamless cloud-as-code operations.	04	Enterprise View - IT teams would get asset tracking through CMDB.

Zensar's Zero Touch IT – Out of the Box Catalog Definitions

Catalog Definitions(DBaaS/PaaS/IaaS)



01

Platform Tools

- VMware vCenter
- MSSQL 2016 Server Standard/ Developer
- Windows 2016 Server Standard/Datacentre
- Windows Cluster Service (WSFC)

02

Automation Tools

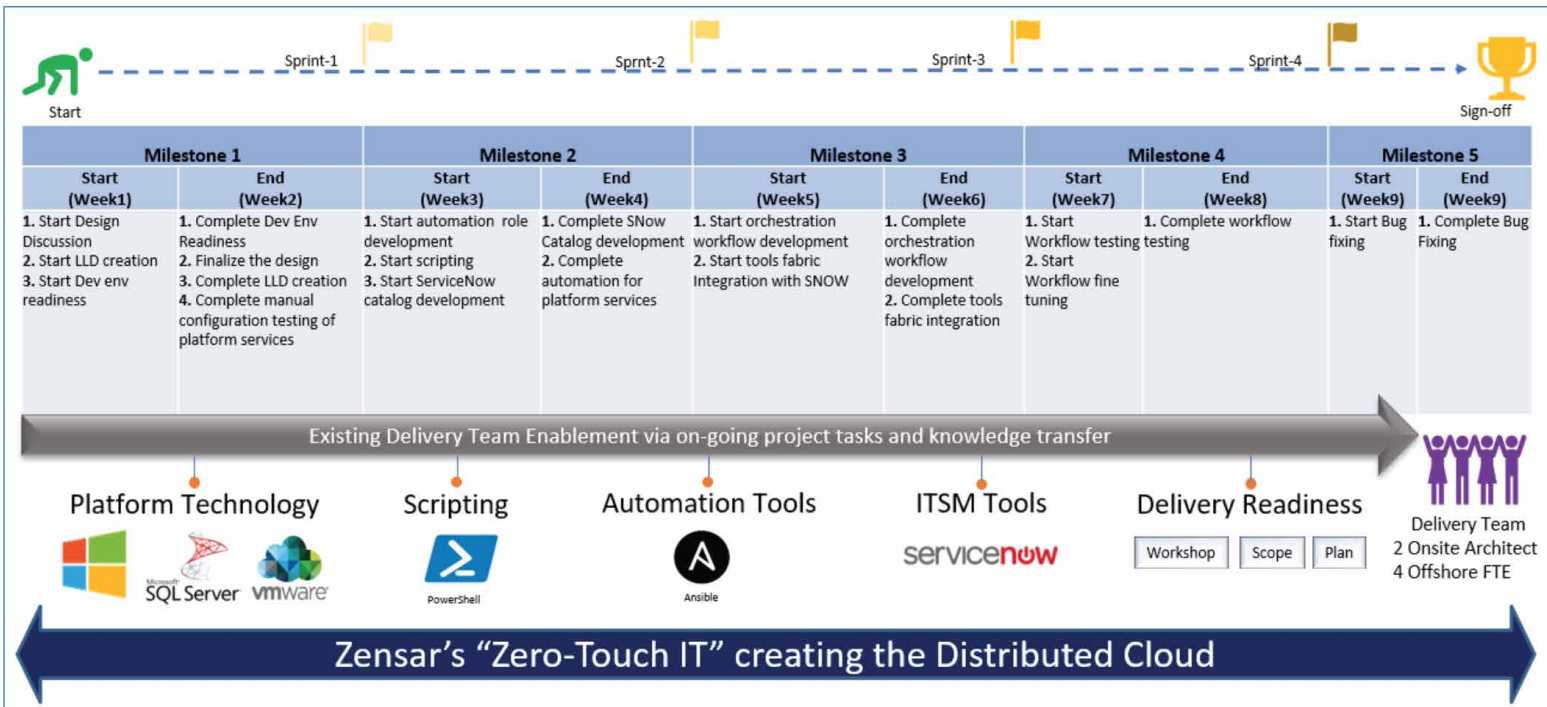
- Ansible Tower
- Powershell Scripts
- Python Scripts
- Shell Scripts

03

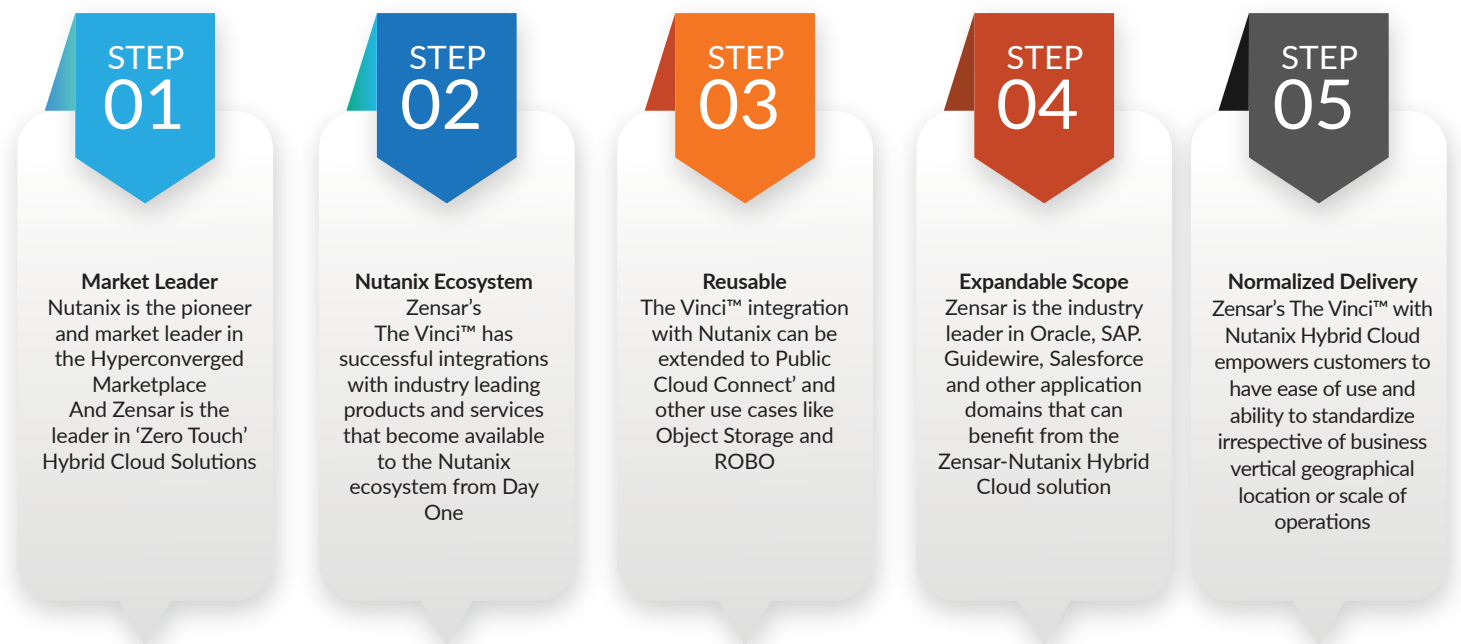
ITSM Tools

- Service NOW

Zensar's Zero Touch IT – Deployment Timeline



Zensar- Nutanix Synergies



A Fully Integrated Zero Touch Hybrid Cloud Solution

The Zensar's Nutanix Zero Touch IT Hybrid Cloud solution is available for customers in the US, Europe and South Africa regions. Customers have the choice of purchasing the hardware while Zensar builds and manages the Infrastructure as code Hybrid Cloud solution customized for their deployment. Alternatively, Zensar would provide the hardware and associated managed services while the customer consumes the Zero Touch Hybrid Cloud as a utility akin to Public Cloud consumption models.

Zensar is a leading digital solutions and technology services company that specializes in partnering with global organizations across industries on their Digital Transformation journey. A technology partner of choice, backed by a strong track record of innovation, credible investment in Digital solutions; and unwavering commitment to client success. Zensar's comprehensive range of digital and technology services and solutions enables its clients to achieve new thresholds of business performance. Zensar, with its experience in delivering excellence and superior client satisfaction through myriad of technology solutions, is uniquely positioned to help its clients surpass challenges they face running their existing business most efficiently, helping in their legacy transformation, and planning for business expansion and growth through innovative and digital ways.

Corporate Headquarters: Pune, India

Global Offices: US | UK | Europe | South Africa

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