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Unlocking
**Exponential Value Today,
for Enterprises of Tomorrow**
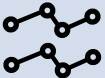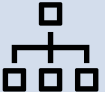
Oracle Cloud Infrastructure

# Introduction

Businesses today, are dynamic and digital. The pace of change is accelerating across industries, driven by new technological developments such as cloud computing, the Internet of Things, usage of digital platforms, and mobile apps. Many organizations are now considering moving their ERP to the Cloud, since their on-premises systems are outdated, or environment support is nearing expiry.

To enable business continuity, and to mitigate the operational risk, cloud adoption is the need of hour. This cloud adoption is a big benefit in the fight against the pandemic as it improves the ability of an organization to adopt subscription based model instead of depreciating investments in datacenter, hardware and annual maintenance.

For instance, amidst the lockdown in several parts of the world, there is a surge in the need of scalable and secured cloud infrastructures to manage communication and collaboration platforms especially in MedTech, Finance and Retail Industry. In the new normal world, maintaining one's own on-premises data center is going to be even more expensive.

# Achieve your goals with Oracle Cloud Infrastructure

Oracle Cloud Infrastructure (OCI) combines the elasticity and utility of public cloud with the granular control, security, and predictability of on-premises infrastructure to deliver high-performance and cost-effective infrastructure services. It is a set of complementary cloud services that enable organizations to build and run a wide range of applications and services.

| Organization Goals | Business Challenges | Business Benefits |
|---|---|---|
| To ensure Business Continuity | • Flexibility to scale-up or down compute as per the business<br>• Reduce factors that interrupt business operations and recover faster from outages and failures.<br>• Application Modernization<br>• Aging hardware<br>• Meeting security compliance requirements for GDPR, HIPAA | • Reduced risk with next gen infrastructure e.g. Autonomous Linux, EXACS (Exadata Cloud Service), Autonomous Database, increased insights and Improved agility<br>• Automate scaling of application and database nodes based on workload |
| To enable IT Operations | • Automate standard maintenance operations, redirect IT to support high value business processes.<br>• Move to a certified version of application and OS | • High degree of automation and integration of DevOps tools like Ansible, Chef, Terraform<br>• Free access to enterprise grade tools like Data safe, out-of-box encryption, auditing |
| To reduce Cost | • Reduce over/under provisioning of infrastructure and move from Capex to Opex.<br>• Lowering total cost of ownership e.g Hardware, BCP, Database. | • Pay-as-you-go<br>• Elastic scaling<br>• Optimal infrastructure to run Oracle ERP application |

# How can Zensar help?

## Migrate Oracle Applications to Oracle Cloud Infrastructure using Cloud RAFT

Cloud RAFT -Rapid Action for Transformation is a proprietary platform that provides end-to-end cloud services, spanning across strategy & assessment, SaaS implementation and rollouts, cloud migrations, managed services and integration services, and modern app development.

Migration

Advisory

Cloud
RAFT

Implementation

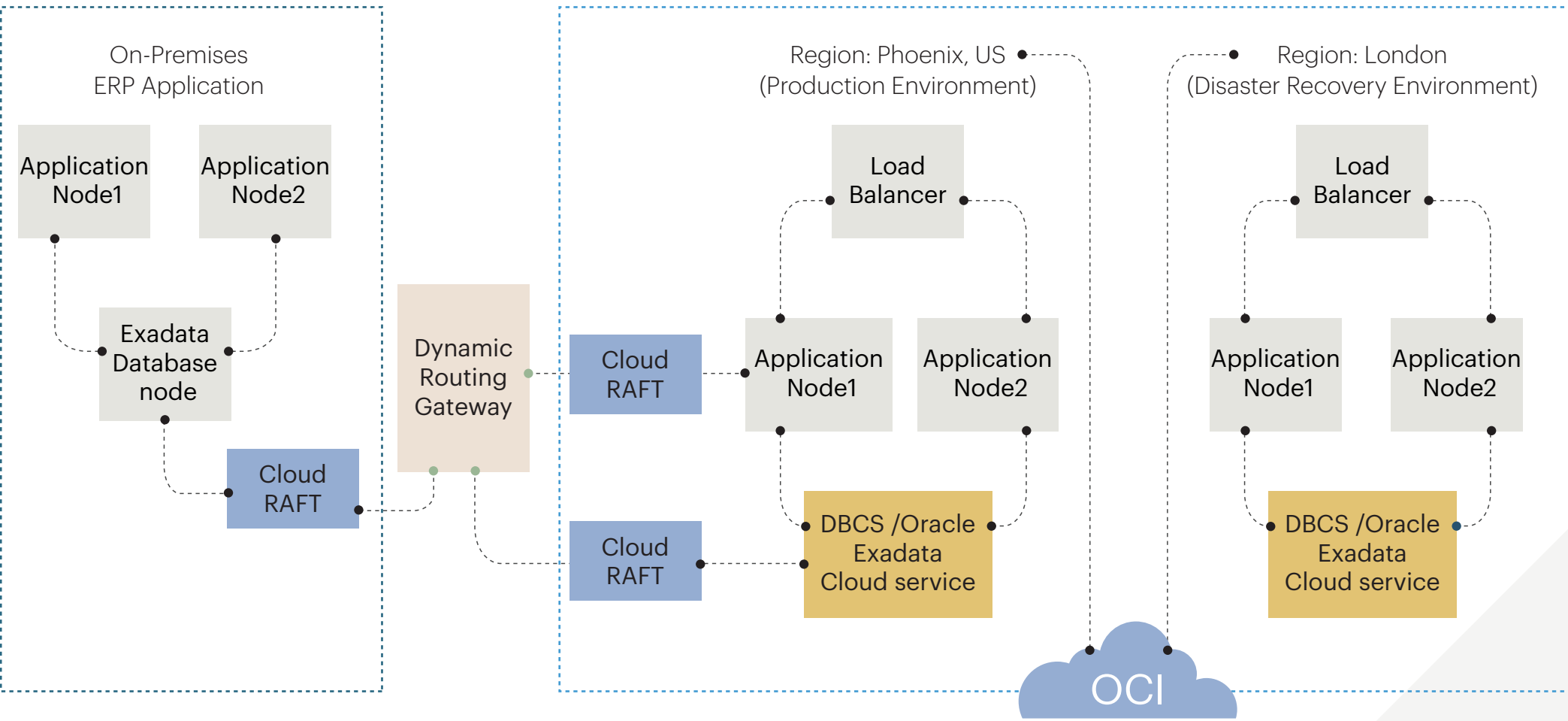Ongoing Support
& Operations

Security
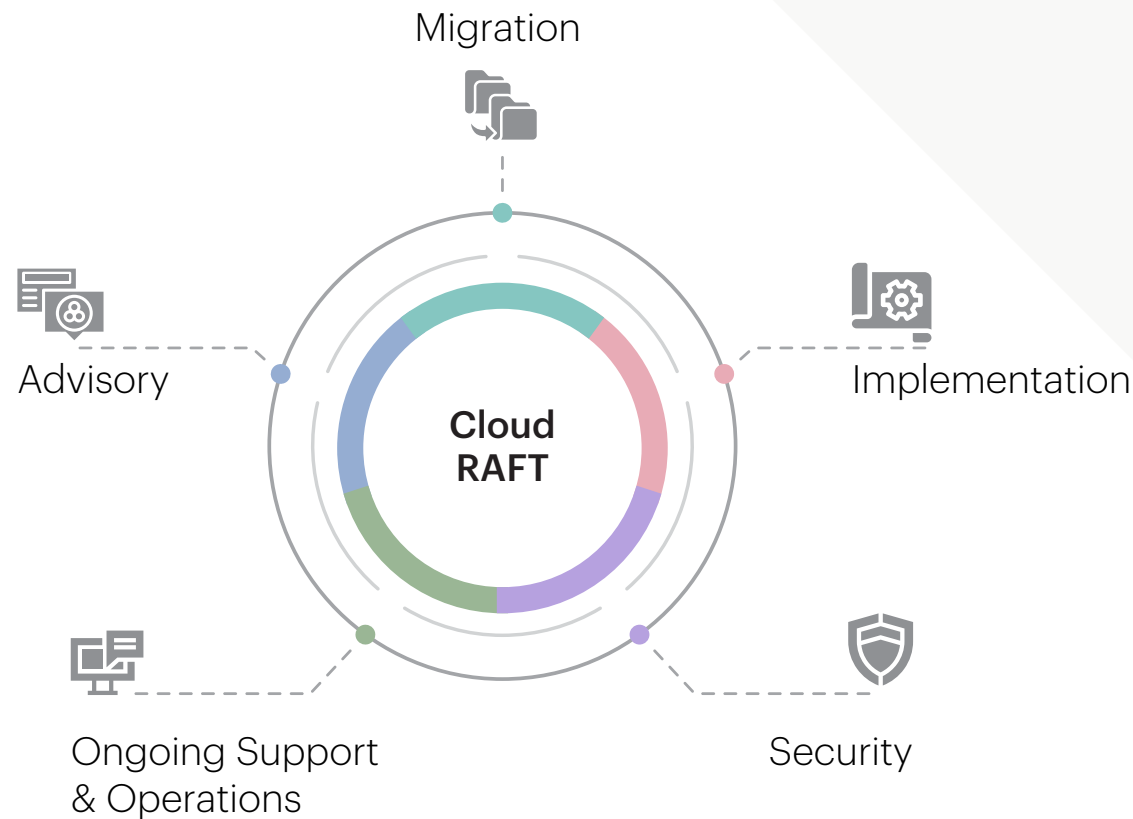
# Navigate turbulence with ease using Cloud RAFT

Once businesses decide to embark on their cloud journey, it becomes imperative to conduct assessments and build a strategy for a successful migration. Zensar has created its proprietary migration framework to help customers in migrating enterprise workloads to OCI seamlessly.

On-premise

OCI

**Discovery**

Requirement gathering and workload analysis

Cloud Strategy – IaaS, PaaS or SaaS; Product fitment and Planning

**Strategic Roadmap**

**Design**

Architecture, Network, Security, Integration reconfiguration and Data Migration

Application/data migration, Testing and Pilot

**Migration**

**Go-Live & Optimize**

Migrate low impact peripheral applications and development environment first.

Migrate high risk application in final phase

**Oracle Package Application Migration and Data Migration**

# OCI Reference Architecture

# Proprietary Tools and Accelerators

| | Tool overview | Benefits |
|---|---|---|
| **OneClickDeploy** | OneClickDeploy is a solution for rapidly deploy components in OCI based on business requirements. In the case of critical timelines, OneClickDeploy appears to be effective in streamlining redundant processes. | • Control costs<br>• Increase productivity<br>• Automation<br>• The only tool to focus solely on creating, destroying, and managing infrastructure components. |
| **ResourceGuardian** | Oracle Cloud Infrastructure (OCI) resources are automatically monitored using the ResourceGuardian Tool. The only tool for reporting/monitoring OCI components. Tracks security and bug fixes. Reports can be tailored to clients. | • Analytical reports with interactive charts, graphs, and tables<br>• Rapidly detect and continuously monitor logs<br>• All OCI services can be integrated with Splunk |

# Proprietary Tools and Accelerators

| | Tool overview | Benefits |
|---|---|---|
| **SwiftDeploy** | The SwiftDeploy is a comprehensive platform that combines CI/CD automation and agile development features. It helps to create and deploy Web, mobile, and PWAs. The Oracle Visual Builder Studio enables development teams, source code and deployment process. | • Greater scalability and availability<br>• Control costs<br>• Increase productivity and automation |
| **Scale IT** | During peak periods, the solution automatically scales Oracle Integration Cloud (OIC) instances, eliminating daily manual intervention and allowing users to pay as they go. | • Better resource utilization<br>• Control costs<br>• Increase productivity and automation |

# Proprietary Tools and Accelerators

| | Tool overview | Benefits |
|---|---|---|
| **SecureTech** | The plugin provided by Azure AD automates both user and groups provisioning and further synchronization into Oracle Identity Cloud Service. | • Improved efficiency<br>• Regulatory compliance<br>• Control costs<br>• Increase productivity |
| **Patch IT** | This production tool refreshes OCI by running "only what's been tested." Using the change management technique, our scripts employ customer variables and the command lines repository to automate the patching. | • Release consistent patches across enterprises<br>• Uses a unique code base and can easily accommodate new features.<br>• Patch multiple instances of a group in a single go |

# Success Story - Upgrading IT infrastructure and enabling application support for a $5B global biomedical manufacturer
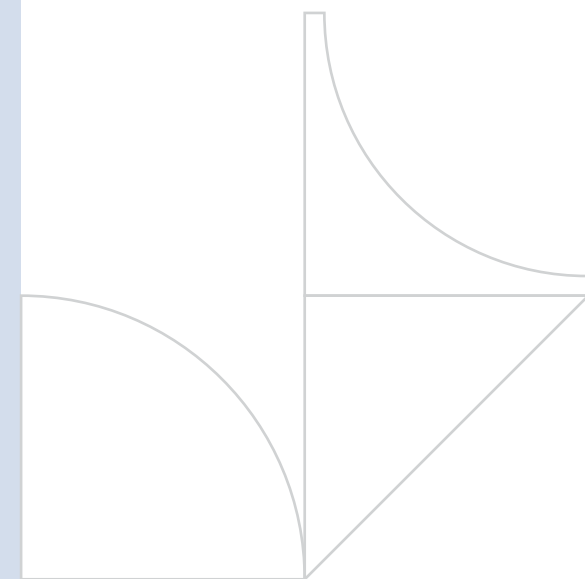
## Challenges

Traditional methods of handling data often become an issue when the volume of data increases. Our client, a leading hi-tech biomedical testing equipment manufacturer was facing similar issue when they wanted to scale the company's IT infrastructure and take it to the next-level in a stable and secure manner. Some of the challenges that drove the decision to shift to cloud were performance degradation due to ageing hardware leading to decreasing efficiency and high overall cost of service.

## Solution Features

Zensar implemented modern and scalable high-performance database servers to run the database workload. Managing performance was made easy with a ML-based 360 Monitoring System for applications, OS, security and database performance. We also implemented Cloud Cost Optimization practices & patterns for OCI to address the concern of high overall cost of service. Furthermore, we implemented multi-layered security to remediate potential database vulnerabilities so our client can focus more on utilizing the data and worry less about handling it.

## Value Delivered

The accelerated transition of over 700 TB of data to cloud by Zensar helped the client reduce operating costs by ~35%. We now provide global support to the client for 15+ applications so IT can help our client move closer towards their goals.

# Success Story - Migrating on-premise applications and database to OCI for a $500M home management services company

## Challenges

Our client, a US-based home management services company, was facing the issue of legacy system with thick client architecture. Due to this, they faced the challenge of high overall cost to maintain the EXADATA systems. This also made scaling the company's infrastructure in a stable and secure manner crucial for the customer.

## Solution Features

We solved the problems faced by our client through an accelerated migration to Oracle Cloud Infrastructure. The key features of our solution were:

- Migrated data from EXADATA to low-cost high performance DBCS RAC instance

- Implemented thin client setup and migrated custom workload to OCI which has better UX and performance

- Implemented cloud cost optimization practices & patterns for OCI

- Multi-layered security to remediate potential database vulnerabilities

## Value Delivered

We handled the migration of 50+ TB overall database size. Our solution resulted in multiple benefits for the client including:

- Cost reduction by 62%

- Enhanced user experience on adoption of Fusion Middleware

- 20X reduction in IT maintenance efforts

# zensar

An ▶▶RPG Company

We conceptualize, build, and manage digital products through experience design, data engineering, and advanced analytics for over 130 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 10,000+ associates work across 33 locations, including San Jose, Seattle, Princeton, Cape Town, London, Singapore, and Mexico City.

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