

# BUSINESS RENTAL COMPANY MIGRATES EBS & INTEGRATED APPLICATIONS TO CLOUD FROM OMCS

## ENABLING CLOUD-NATIVE FUNCTIONALITY WITH HIGH CUSTOMER SATISFACTION AT A LOWER PRICE POINT

### THE SCOOP

A diversified business-to-business Rental Company celebrating 40 years in business, sought a long-term relationship with a partner that could envision, architect their cloud roadmap and also migrate and support its Oracle environment with a cost-effective & highly available cloud architecture, while leveraging its long-standing relationship with Oracle in the process.

Their aging hardware struggled to keep up with key on-premise applications and slowing down critical business operations, expensive maintenance and disaster recovery became elongated. They sought a partner who had the tools and advanced technical skills to provide a safe and mature passageway to the cloud, with quick time to market & little-to-no business disruption.

Client wanted to leverage open source and cloud-native toolsets, allowing for the most efficient and practical use of labor providing for future scalability in an automated and cloud-forward approach.

After a handful of global vendors were down selected for a chance to secure the partnership and implement the migration, IT Convergence was chosen after submitting a successful Proof of Concept showcasing our tailor-made solution.

### CLIENT CHALLENGES & SOLUTION

Key stakeholders identified a platform for improvement, but they needed advisory and support resources to successfully implement a solution for their specific use case.

CHALLENGE	SOLUTION
Large incremental backup sizing & bandwidth limitations in the setup of Active Standby between OMCS & OCI.	Implement semi-automated RMAN incremental backup copy & apply in conjunction with the setting of DB/RMAN parameters to reduce overall backup size for faster data copy from OMCS to OCI.
Resilient, redundant networking into tenancy required from customer network	VCN with FastConnect Primary & VPN Secondary (failover) into Customer locations from OCI
Reliable connection to ITC for Managed Services delivery & monitoring required	VPN into "Shared" compartment for customer into the ITC data centers
Network isolation for high security	Dedicated VCNs & route & security list restrictions enabled
Stringent security patching requirements	Outbound connectivity on servers for patching from secured repositories with established practices for periodic ongoing OS patching
Customer applications require secure 3rd party connections	Implement NAT Service Gateway & enabled granular security lists (to secure traffic flows)
Rapid deployment of VMs to meet customer wave requirements	Create Terraform code & repository for state files; all servers built using Terraform code on OCI
Redundancy required on traffic flows between customer data centers & OCI tenancy	Enable BGP protocol on FastConnect (High Metric) & static routes (Low Metric) for VPN tunnel
Redundant load balancing for critical Oracle applications	Set OCI virtual balancers & configure URI path pointing at different pooled back-end servers

### ITC ADVANTAGE

- Successfully migrated 100% workloads
- Seamless interoperability in a multi-cloud architecture
- Minimal production cutover downtime and end-user disruption

## ITC UNIQUE APPROACH

ITC had a long history of migrating customers from OMCS into on-premises, ITC & OCI. We leveraged our expertise across all platforms to jointly architect a solution with the Oracle cloud rep & architect on OCI. The result rendered substantial cost savings while increasing availability & ensuring Oracle licensing remained intact.

- ITC used proprietary migration strategies to consolidate workloads during lift and shift, replatforming and refactoring for database and in-flight application upgrades.
- Uniquely segregated migration approach by database size to rapidly expedite replatforming process between ENDIAN formats
- Incorporated DEVSECOPS to include advanced security protocols within production and testing phases so that working instances were without loopholes and security posture was optimized.

<b>Timeline</b>	8 months
<b>Cloud Tenancies</b>	1
<b>Lift &amp; Shift Migrations (EBS, OBIEE, Markview/Kofax, APEX, SOA)</b>	16
<b>Disaster Recovery</b>	Multi Region
<b>Inflight DB Upgrade (OBIEE)</b>	3
<b>Application Upgrades</b>	3
<b>Apex Custom Migrations</b>	3

## RESULTS

ITC modernized the applications and implemented a cloud-based solution for their operations to run fast and efficiently. Benefits included:

- The result rendered substantial cost savings while increasing availability & ensuring Oracle licensing remained intact.
- Migrating legacy on-premise systems to the cloud reducing maintenance time and costs and enabling limitless scale.
- Successful interoperability in a multi-region architecture with secure and distinct privileges in a modernized technology footprint
- Scalable & repeatable future migrations now possible without outsourcing due to documentation