

Acceleration to the Oracle Cloud to modernize and transform the business

AMERICAN MULTI-NATIONAL DELIVERY SERVICES

OPPORTUNITY

The customer wanted to retire their datacenters and migrate to Oracle Cloud Infrastructure (OCI) to enable their logistics IT team to shift focus from infrastructure support to application modernization and innovation:

- Existing applications were hosted on older hardware & software versions that could not be upgraded without acquiring new hardware
- Committed to OCI spend that has not been used
- Had mix of modern and legacy applications adding to complexity and increasing costs
- Application scaling not possible to handle peak demand
- Sub-optimal Disaster Recovery process
- Needed to improve reliability, security, scalability, and extensibility of their system

OUR APPROACH

BIAS led a two-phased program with work streams that included governance, readiness, infrastructure builds, migrations and application testing to successfully migrate the customer to the cloud:

- BIAS led a 3-day workshop with the customer that defined the structure of a successful migration plan
- Automated OCI provisioning leveraging BIAS Digital Platform – Accelerate
- Migrated **196** custom applications and **450+** virtual and physical servers using Rackware for minimal downtime and risk remediation checkpointing for rollbacks
- Performed **60+** cross platform database migrations utilizing GoldenGate to ExaCS, upgraded all databases to 19c and consolidated into 20 containers with Oracle Multitenancy
- Tested applications prior to cutover using BIAS proprietary “Dark Mode” testing
- Cross-platform migration of Solaris, Linux, Windows, VMWARE workloads to OCI with minimal downtime
- Divided production cutover into four groups to minimize risk
- Enabled RAC for High Availability and Data Guard for Disaster Recovery

RESULTS

Through the migration to OCI, the customer retired their datacenters and successfully moved their custom applications to Oracle Cloud, delivering increased performance and ability to scale on demand during peak traffic:

- Increased database performance by **200% to 400%**
- Gained ability to immediately **burst** application and database CPU & memory capacity to handle holiday and pandemic traffic
- Improved instance strategy by three separate segregated Development, Test & Production environments
- Improved Life Cycle Management (support, scalability & patching)
- Future proofed IT infrastructure by eliminating the need for future hardware refresh costs
- **Reduced infrastructure provisioning** creation time from **days to minutes**
- First line of business in the multinational company to migrate to Oracle Cloud Infrastructure

“Thank you for your teamwork, collaboration and efforts. This team successfully migrated all of our applications in OCI by peak. This is the first OpCo running production Operations from the Cloud!”

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