

# METAL FABRICATOR MODERNIZES ITS ERP SYSTEM FOR ENHANCED PERFORMANCE, SCALABILITY, AND COST-EFFICIENCY

## LEVERAGING ITC'S EXPERTISE IN ORACLE CLOUD INFRASTRUCTURE MIGRATION AND UPGRADES

### CUSTOMER PROFILE

#### HQ

Houston, TX

#### INDUSTRY

Metal Construction

#### EMPLOYEES

500

#### ITC SERVICES

- Cloud Migration
- Cloud Consulting
- Cloud Infrastructure Assessment

#### APPLICATIONS & TECHNOLOGIES

- APEX
- ECC
- Java Web Start
- Web Application Firewall
- Oracle Database

### INTRODUCTION

Our client, a metal fabricator, aimed to modernize their ERP system as part of a broader initiative to enhance their technological infrastructure. With a growing business and the need for cost reduction, WWSB sought a partner to guide them through a complex migration to Oracle Cloud Infrastructure (OCI). They turned to IT Convergence (ITC) for a comprehensive solution that would align with their modernization goals while ensuring minimal business disruption.

### CHALLENGES

- Legacy ERP system hindering business growth and operational efficiency
- Need for a scalable platform to support business expansion
- High infrastructure costs impacting overall profitability
- Complex migration requirements, including database and application upgrades

### SOLUTIONS

ITC's innovative approach addressed WWSB's needs through:

- Robust OCI migration of +15 servers across Primary and Secondary regions
- In-flight upgrade of Oracle Database from 11.2.0.3 to 19c, including Automatic Storage Management (ASM) implementation
- Oracle E-Business Suite (EBS) upgrade from version 11i to 12.2.11
- Implementation of additional components such as APEX, ECC, Java Web Start (JWS), and Web Application Firewall (WAF)
- Enhanced security measures including Transparent Data Encryption (TDE) and Tenable Vulnerability Scanning
- Robust backup and monitoring solutions with Commvault and Nagios

ITC's strategic approach included:

- In-Flight Upgrade: Using ITC's proprietary methodology to perform database upgrades during migration, streamlining the project timeline.
- UAT on Pre-Prod: Conducting UAT on future production

### ITC ADVANTAGE

- Expertise in proprietary methodology to perform database upgrades during migrations
- Advanced capabilities to implement a standby environment from ITC DC to OCI

environments, ensuring thorough testing and issue resolution before go-live.

- Standby Approach for Reduced Cutover Downtime: Implementing a standby environment from ITC DC to OCI, minimizing business disruptions during cutover.
- Standardization and Compliance: Focusing on reverting to Oracle's standard support model and implementing the latest security patches.

## **RESULTS**

- Enhanced Scalability: The new OCI platform supports WWSB's business growth with rapid scalability features.
- Significant Cost Reduction: WWSB experiences a substantial decrease in infrastructure costs, with the ability to apply a portion of their license fees to the Oracle Rewards Program.
- Improved Performance: The migration to OCI and system upgrades result in enhanced application performance, boosting organizational efficiency and productivity.
- Modernized Infrastructure: WWSB now operates on a cutting-edge platform, positioning them for future technological advancements.
- Minimal Business Disruption: ITC's strategic approach ensured a smooth transition with minimal impact on day-to-day operations.
- Enhanced Security: Implementation of advanced security measures safeguards WWSB's sensitive data and ensures compliance.