

PERFORMANCE TESTING & OPTIMIZATION FOR A LEADING CONSTRUCTION MATERIAL SUPPLIER

ENSURING SCALABILITY AND APPLICATION RESPONSIVENESS IN ORACLE EBS

CUSTOMER PROFILE

HQ

United States

INDUSTRY

Construction
Materials / Building
Insulation

EMPLOYEES

13,000+

ITC SERVICES

- Performance Testing, QA Consulting, Oracle E-Business Suite Performance Optimization

APPLICATIONS & TECHNOLOGIES

- Oracle E-Business Suite

INTRODUCTION

The client is a leader in residential, commercial, and industrial insulation and building materials, offering installation and specialty distribution across multiple end markets. With rapid business growth through acquisitions, the company needed to ensure that its Oracle EBS environment could handle the increased transactional volume and user load efficiently.

CHALLENGES

Following a recent acquisition, the client experienced increased user load on its Oracle EBS application, raising concerns about performance and scalability.

Key challenges included:

- Verifying Oracle EBS performance under higher concurrent user activity.
- Identifying and diagnosing bottlenecks impacting system responsiveness.
- Ensuring infrastructure stability without excessive CPU and memory utilization.
- Providing actionable recommendations for performance optimization.

SOLUTION

IT Convergence leveraged its structured performance testing methodology and domain expertise to assess and optimize the Oracle EBS environment.

The engagement involved:

- Load Testing to measure performance under simulated business load and identify critical degradation points.
- Infrastructure Assessment to analyze CPU, memory, and I/O operations during peak usage.
- Database Evaluation to trace query performance, user connections, and resource consumption.
- Application Review to identify API calls and code inefficiencies affecting throughput.

Through this multi-layered approach, ITC identified key performance bottlenecks at both the application and infrastructure levels, pinpointing high CPU and memory utilization at the database caused by increased transactional activity.

RESULTS

- Comprehensive visibility into current system performance and responsiveness.
- Identification of performance bottlenecks across infrastructure, database, and application code.
- Clear, actionable recommendations for optimizing performance and scalability.
- Strengthened system stability to support future business growth without degradation.

ITC ADVANTAGE

- Proven Oracle EBS performance testing framework.
- Deep expertise in identifying root causes of performance degradation.
- Actionable optimization strategies for infrastructure and application layers.
- Scalable, business-aligned solutions supporting long-term ERP efficiency.