



SOA UPGRADE PROJECT

Start Date: July 15, 2024
Phase 1 Go-Live: July 19, 2025
Phase 2 Go-Live: October 2025

What is SOA?

The SOA-based application utilizes web services to facilitate the following transactions with the RF Oracle E-Business Suite (EBS):

- Accounts Payable Invoices: Receives invoice data and transmits transaction status updates.
- Purchase Orders: Receives purchase orders, including change orders, and returns transaction status.
- Human Resources Data: Receives new hire and personnel change information and transmits status updates.
- Account Validation: Processes account validation inquiries and returns current account status.
- Vendor Master Synchronization: Synchronizes updates from the RF vendor master file.

Project Scope

Infrastructure Modernization:

- Deployment of new infrastructure with an upgraded operating system (Oracle Enterprise Linux 8).
- Upgrade of Oracle Database to version 19c for long-term support and enhanced reliability.

Application Platform Upgrade:

- Upgrade of WebLogic, RCU, and SOA Suite to version 12.2.1.4.0.
- Remediation of SOA composites to support proactive monitoring and improve system stability and scalability.

Security Enhancements:

- Implementation of SSL certificates to secure internal communications between the load balancer and SOA application servers.
- Strengthening of server-to-server transport security using x.509 certificates. (Phase 2)
- Adoption of Web Service Security (WS-Security) standards, including encrypted Username Tokens and role-based access controls, to safeguard message-level communication. (Phase 2)

RF Strategic Goals

This project supports the RF's strategic goals of maximizing effectiveness and increasing cost efficiencies

- Strengthened security posture in line with industry best practices
- Improved Supportability by upgrading to Oracle-supported versions of the SOA application stack, enabling:
 - Timely assistance from Oracle for issue resolution
 - Ongoing receipt of critical security patches
- Enhanced monitoring, logging, and notifications to detect and remediate issues faster
- Increased system performance and stability to support mission-critical processes
- Reduced Project Costs through successful vendor negotiations

Congrats!

On successful completion of Phase 1 SOA Upgrade Project

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