

ORACLE ENTERPRISE MANAGER SOA MANAGEMENT PACK ENTERPRISE EDITION



FEATURES

- Track and monitor end-to-end business transactions across tiers
- Monitor the performance of SOA implementation technologies such as the Oracle SOA Suite and Oracle Service Bus
- Integrated web service testing and synthetic transaction monitoring
- Integrated authoring, attachment, and monitoring of security policies
- Collection and analysis of SOA configuration information

BENEFITS

- Provides visibility into complex SOA orchestrations across the enterprise
- Minimizes the cost of setting up and maintaining performance monitoring
- Reduces the effort associated with manual application deployment
- Dramatically improves the ability to keep up with environmental changes
- Significantly lowers the total cost of ownership for SOA

Understanding complex service dependencies, monitoring consumer expectations, and controlling service ownership costs are the biggest barriers to effectively managing service-oriented architecture (SOA) applications and infrastructure. To overcome these challenges, administrators need solutions that increase service visibility and production assurance while lowering the cost and complexity of managing SOA environments. Oracle Management Pack for SOA Enterprise Edition provides runtime governance as well as comprehensive service and infrastructure management functionality to help organizations maximize the return on investment from their SOA initiatives..

Automate SOA Service Management

Oracle SOA Management Pack Enterprise Edition provides administrators with a consolidated browser-based view of the entire SOA environment, enabling them to monitor and manage all their components from a central location. This streamlines the correlation of availability and performance problems for all components across the SOA environment. Oracle Enterprise Manager integrates seamlessly with the Oracle Fusion Middleware Control 11g, Oracle Service Bus console, and Oracle Business Activity Monitoring. With a rich set of service- and system-level dashboards, administrators can view service levels for key web services, SOA composites, Oracle Service Bus proxy and business services, as well as SOA infrastructure components.

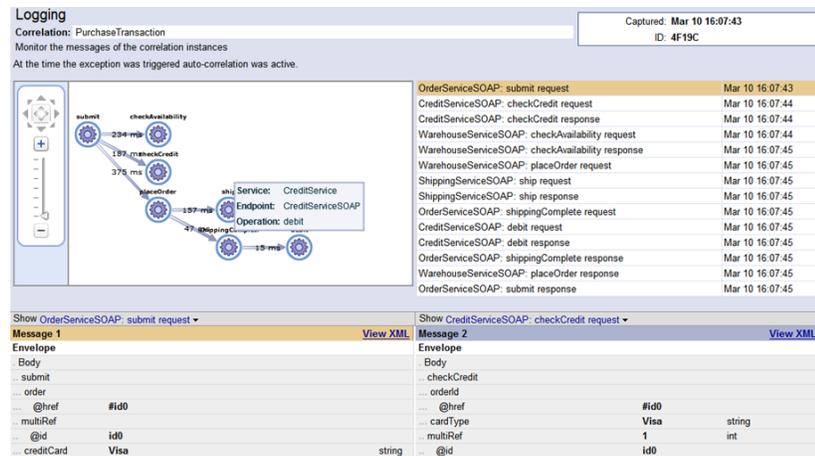


Figure 1. End-to-end transaction visibility

Oracle Enterprise Manager allows you to manage your Oracle SOA Suite applications leveraging a model-driven “top-down” approach within your development, quality assurance (QA), staging, and production environments. Business application owners and operational staff can automatically discover and correlate your SOA composites, components, services, and back-end Java EE implementations through detailed modeling and drill-down directly into the performance metrics at the component level. Business transactions and service dependencies can be automatically discovered and the message flows mapped. Details about individual and aggregate transaction execution can be searched for and displayed.

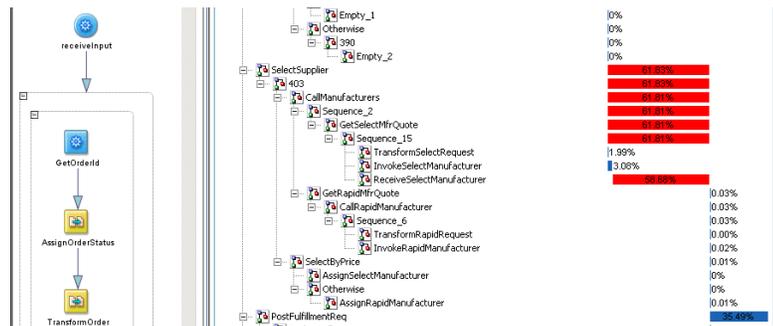


Figure 2. BPEL process activity delay analysis

By providing and maintaining the business context while traversing your organization’s application infrastructure, your developers and operational staff can leverage Oracle Enterprise Manager to meet the high availability and top performance criteria necessary to maximize business results.

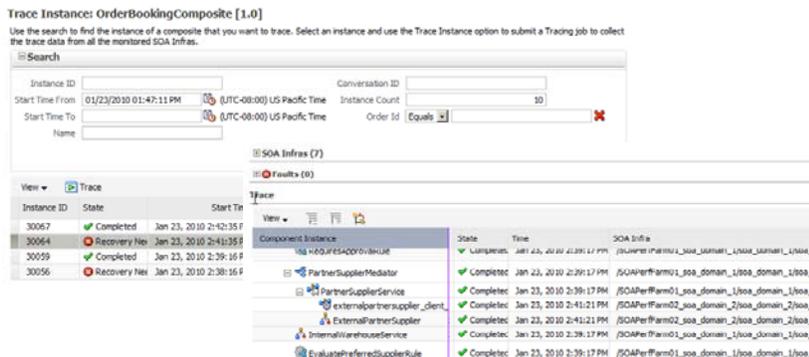


Figure 3. SOA composite instance search and trace

Oracle Enterprise Manager enables your application development and support teams to:

- Continuous discovery of components, transaction flow, service dependencies and relationships
- Monitor business transactions as they flow across tiers
- Manage Oracle SOA Suite applications with minimal manual effort,

regardless of application-specific knowledge or programming expertise

- View aggregated dependences or drill-down to method-level interactions
- Monitor endpoint performance with both synthetic service tests and deep component implementation visibility
- Search and analyze single instance transaction performance, with built-in report generation for slowest running or faulted instances
- Quickly isolate and diagnose the root cause of SOA application performance problems in QA, staging, and production environments

Configuration Management

Configuration information for the Oracle SOA Suite, Oracle Service Bus, and BPEL processes are collected and stored in the Oracle Enterprise Manager repository. With this information, administrators can:

- View the historic configuration changes across the SOA Suite and Oracle Service Bus environment
- Baseline a working configuration by saving it in the repository
- Compare BPEL and Oracle Service Bus server and domain configuration parameters with other servers and domains
- Compare BPEL process versions to observe changes across successive deployments

Deployment Automation

Administrators can deploy multiple SOA composites, Oracle Service Bus projects and BPEL suitcases to servers using the deployment procedure framework. A multistep interview process lets users choose the source files for the process, project or resource, the target BPEL server and Oracle Service Bus domain, set credentials, and schedule a future deployment using the job system. This enables administrators to:

- Clone directly from test to production
- Clone from fully tested gold image stored in software library
- Provision new composite or new version of existing composite to existing WebLogic Domain
- Specify composite from software library or file system
- Optionally specify configuration plan

Historical Analysis and Reporting

In addition to real-time monitoring of metrics for SOA infrastructure targets, Oracle Enterprise Manager stores the collected metric and configuration data in a central repository enabling administrators to analyze metrics through various historical views (such as Last 24 Hours, Last 7 Days, and Last 31 Days) to facilitate strategic trend analysis and reporting. Customizable service and system dashboard functionality allow users to create reports on various services and systems for

service level availability, usage, performance, and business indicators.

The Ideal Choice

SOA delivers agility to an enterprise; however, if not properly managed, it will increase management complexity and cost, while simultaneously reducing visibility into the IT environment. Oracle Enterprise Manager makes it easy for IT administrators to effectively manage SOA complexity by providing runtime governance in conjunction with business and IT alignment. Offering service level management, triage, and root cause analysis at all SOA application levels across both Oracle and non-Oracle products, Oracle Enterprise Manager is an ideal choice for maximizing consistent SOA application performance and creating a superior ownership experience.

Contact Us

For more information about the Oracle SOA Management Pack Enterprise Edition, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.



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