

ORACLE EDA SUITE

ORACLE EDA SUITE

FEATURES INCLUDE:

- **Complex Event Processor**
 - Rich Language for Continuous Queries
 - Advanced Support for Pattern Matching
 - Supports low-latency at very high data rates
- **Business Activity Monitoring**
 - Web Browser Dashboard
 - Business User Authoring
 - Embedded Actions
- **Business Rules**
 - Small Footprint Engine
 - Seamless Integration
 - Rules SDK
- **Enterprise Service Bus**
 - Multi-protocol bus
 - Data enrichment
 - Content based routing
 - Content filtering
- **Enterprise Messaging**
 - JMS 1.1 and J2EE 1.4
 - Secure, Scalable and Reliable
 - Sync and Async Messaging

Today's leading organizations are extending their applications to incorporate business events to achieve real-time analysis and response. However, hand-coding applications for events requires complex development skills and often fails to achieve business agility. Oracle EDA Suite provides companies across a range of industries – including financial services, telecommunications, retail, government and manufacturing – the ability to become a real-time enterprise, enabling the build, deployment and management of event-driven architectures through a pre-integrated toolset of event processing technologies.

Product Overview

Oracle Event-Driven Architecture Suite (EDA Suite) is comprised of best-in-class Oracle Fusion Middleware components and enables customers to monitor, analyze, and respond to increasingly large volumes of information in real time. Oracle EDA Suite complements the service-interaction model of SOA, providing infrastructure to manage event-based interactions and complex event analysis.

Leveraging Oracle Fusion Middleware's hot-pluggable architecture, Oracle EDA Suite combines a lightweight, java application container for complex event processing with fully J2EE compliant application servers including Oracle WebLogic Suite and messaging buses such as Oracle Service Bus, WebSphereMQ, and Tibco Enterprise JMS. The offering includes native support to create, process, and monitor events and provides a flexible, declarative environment to rapidly build and adapt event-driven applications.

Oracle EDA Suite improves an organization's ability to **predict** change by improving its visibility to happenings in the physical world and business environment in real time. It **leverages existing investments** by being modular, open, extensible and hot-pluggable; this eliminates the need to remove or replace existing systems as well as supporting incremental deployment and ROI. Finally it **extends** system and application performance with a lightweight, Java approach to event-driven application deployment.

It consists of (i) a Complex Event Processing (CEP) engine to handle a high throughput of events with extremely low latency; (ii)) a Business Activity Monitoring (BAM) solution to monitor event patterns throughout an organization; (iii) a Business Rules engine flexibly change business policies; (iv) an Enterprise Service Bus (ESB) to connect applications and route messages; (v) Enterprise Messaging to reliably deliver event messages with configurable qualities-of-service.

**ORACLE EDA SUITE
BEST OF BREED TOOLS**
KEY BENEFITS:

The Oracle EDA Suite enables organizations to be more responsive to their business events. Best of breed tools provide industry-leading functionality in each component. The tightly integrated comprehensive suite lowers the total cost of ownership.

The "hot-pluggable" architecture of the EDA Suite enables seamless integration of the Suite or components into any existing IT environment. Since the best of breed components of the Oracle EDA Suite may be adopted incrementally, they can be used to solve identified business problems, and expanded to enterprise deployments.

RELATED PRODUCTS:

- Oracle SOA Suite
- Oracle WebLogic Suite
- Oracle Coherence
- Oracle JRockit

Complex Event Processing

Event driven applications, are frequently characterized by the need to provide low and deterministic latencies while handling extremely high rates of streaming input data. Oracle CEP provides not only an event processing engine, but a high-performance platform that allows continuous queries to be written and tightly integrated with custom Java code written to a POJO/Spring programming model. It includes a visual tooling environment for correlating streaming data/events with persistent data and defines event networks. The underpinning of Oracle CEP is a lightweight, Java container based on an OSGI™ backplane that provides standard container services optimized for real-time event processing.

Business Activity Monitoring

Oracle BAM is a complete solution to define and deploy real-time operational dashboards to monitor events, services, business processes, and key performance indicators (KPIs). It enables business users to build interactive, real time dashboards, proactive alerts, and automatic or manually invoke corrective actions. It leverages the latest in web technologies to deliver a rich, personalized dashboard in which real time data and personalized views are delivered with latency of seconds via a standard web browser.

Business Rules

Oracle Business Rules enables business analysts to easily define, update, and manage key decisions and policies governing event responses and their associated business processes. Oracle Business Rules is a fast and efficient JSR-94 compliant RETE based engine written in Java.

Enterprise Service Bus

Oracle ESB provides multi-protocol messaging, routing, and transformation capabilities to distribute event messages and integrate services. It includes connectivity leveraging Oracle Adapters, which provide standards based access to virtually any data source. Oracle ESB features a multi-protocol messaging bus including support for JMS, SOAP, JCA, WSIF, JDBC, HTTP, and FTP.

Enterprise Messaging

Oracle Enterprise Messaging is a fully compliant JMS 1.1 interface that guarantees the availability of all standard JMS features: portability of applications, multiple messaging paradigms (publish and subscribe - topics, one-to-one - queues, asynchronous or synchronous, etc.) and support for local and global transactions.

For More Information

To learn more about the Oracle EDA Suite please visit www.oracle.com/goto/eda

Copyright 2006, Oracle. All Rights Reserved.

This document is provided for information purposes only, and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor is it subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document, and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle, JD Edwards, PeopleSoft, and Siebel are registered trademarks of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.