

ORACLE ENTERPRISE REPOSITORY AND ORACLE SERVICE REGISTRY FOR SOA GOVERNANCE

KEY FEATURES AND BENEFITS

ENSURE SOA ROI THROUGH
END-TO-END LIFECYCLE
GOVERNANCE.

FEATURES

- Lifecycle management
- Advanced registration workflow
- Easy navigation
- Metrics and analytics
- Policy management
- Built-in best practices
- Comprehensive UDDI v3 compliance
- Extensible metadata management
- IDE plug-ins

BENEFITS

- Gain comprehensive, enterprisewide visibility into SOA assets, which minimizes redundancy, optimizes service reuse, and improves ROI.
- Graphically display relationships between services and the business processes they support to maximize alignment between business and IT.
- Drive SOA adoption and growth within the organization using robust analytics to track and illustrate the progress and value of SOA initiatives.
- Extend governance across the heterogeneous IT environment to comprehensively manage and maintain all SOA assets.

Service-oriented architecture (SOA) is an entirely new approach to IT that connects people, process, and technology in a dynamic, distributed environment. Although this shift provides the agility required to innovate and compete in today's economy, it also increases system complexity. To mitigate this risk, organizations must control and track IT investments to ensure they align with corporate objectives. Together, Oracle Enterprise Repository and Oracle Service Registry create a solid foundation for SOA governance that provides comprehensive insight into the business impact of SOA from any starting point in the transformation process.

Integrated, Closed-Loop SOA Governance

For governance to succeed, it takes more than just managing services. The governance process must span the entire SOA lifecycle and unite resources from across divisions and geographies in a collaborative, holistic approach to corporate decision-making and compliance. Oracle Enterprise Repository and Oracle Service Registry provide a common communication channel for the automated exchange of metadata and service information among service consumers, providers, policy decision points, and additional governance tooling. Working in concert, these applications provide the visibility, feedback, controls, and analytics required to ensure your SOA delivers real, tangible business value.

Powered by comprehensive automation capabilities, the integration of Oracle Enterprise Repository with Oracle Service Registry—a Universal Description, Discovery and Integration (UDDI) standards-based solution—streamlines governance processes and optimizes service reuse to promote and foster SOA adoption. The combined solution establishes a foundation for the success of any SOA initiative by

- Governing all SOA assets
- Providing extensive automation and built-in best practices
- Focusing on business results
- Extending governance across the heterogeneous IT environment

Key Features

As enabling technologies for integrated, end-to-end governance of the SOA lifecycle, Oracle Enterprise Repository and Oracle Service Registry leverage the following functionality to overcome common SOA challenges and fundamentally change the way business and IT professionals work across the extended enterprise.

Enterprise Visibility

Provide role-based visibility into all SOA assets, regardless of source, through a centralized repository for business processes, services, applications, components, models, frameworks, policies, and data services. Visibility into assets under development minimizes redundancy and promotes service collaboration and reuse.

End-to-End Traceability

Graphically display and navigate asset-to-asset and asset-to-project relationships and interdependencies to simplify impact analysis and ensure business alignment by enabling users to organize and link SOA assets to associated business processes.

Comprehensive, Extensible Metadata

Create a system of record for all SOA asset information by aggregating data on the lifecycle stage, approval status, policy compliance, and more. This allows organizations to expose the right asset information to all project teams.

Integration with Development Environments

Allow developers to easily publish, locate, and consume SOA assets from directly within their integrated development environment (IDE) using plug-ins to Eclipse-based and Microsoft Visual Studio .NET development environments.

UDDI v3 Compliance

Enable standards-based service discovery and dynamic binding at runtime and provide interoperability with other tools in the SOA ecosystem, such as enterprise service buses and business process management systems.

Automated Introspection

Enable automatic introspection of BPEL, Web Services Description Languages, and XML Schema Definitions, which keeps the repository services and relationships current.

Third-Party Integration

Connect assets, projects, users, and other elements of the heterogeneous enterprise using out-of-the-box, standards enabled, or custom integrations. Easily submit and access assets of any type through Web-based user interfaces and IDE plug-ins.

SOA Lifecycle Management

Support the entire SOA, process, service, and asset lifecycle with governance controls and automation that reach from the planning, design, and development of services to their deployment and consumption in the live service environment.

Advanced Registration Flows

Automate approval and change management processes throughout the registration and lifecycle management of services. Fully automated workflows help

RELATED PRODUCTS AND SERVICES

Oracle's SOA governance solution uses automation to promote the integrity and success of your SOA initiative. Through a centralized repository, policy enforcement, and tracking of key performance indicators, the solution provides the foundation required to build business value through SOA.

RELATED PRODUCTS:

- Oracle Web Services Manager
- Oracle Enterprise Manager SOA Management Pack

organizations build trust and reduce risk by ensuring that services and other assets meet standards and requirements before they are promoted to enterprise consumers.

Policy Management

Optimize SOA policies and organizational collaboration by centralizing policy management to instill versioning control, while simultaneously federating policy creation, distribution, and enforcement. Samples help expedite policy management.

Prescriptive Reuse

Prescribe SOA assets and standards for projects and deliver them directly to project team IDEs using compliance templates. Automatically track usage and measure compliance to transparently integrate reuse into the development experience.

Architecture Controls

Maintain architecture alignment by tracking and communicating progress toward the completion of your target SOA architecture. This helps enforce architectural standards during design and construction to ensure alignment and compliance.

Analytics for Measuring Value

Prove the ROI from SOA with more than 20 out-of-the-box reports to demonstrate savings, track compliance, and illustrate SOA progress. Reports target a range of stakeholders with key metrics, including business value and ROI, predicted versus actual reported savings from reuse, asset usage, and compliance.

Built-in Best Practices

Jump-start your SOA governance efforts and reduce risk through an extensive foundation of built-in best practices and templates. Oracle Enterprise Repository includes several packaged processes to speed your success with SOA, including

- Out-of-the-box configurable workflows
- Solution packs for enterprise architecture and open source
- Sample assets, policies, and metadata
- Preconfigured asset templates

Contact Us

For more information about Oracle Enterprise Repository and Oracle Service Registry, visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.

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