

ORACLE ENTERPRISE REPOSITORY

ENSURE RETURN ON INVESTMENT THROUGH END-TO-END LIFECYCLE MANAGEMENT

FEATURES

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

KEY BENEFITS

- Gain comprehensive, enterprise wide visibility into assets, which minimizes redundancy, optimizes reuse, and improves ROI.
- Graphically display relationships between APIs, services and business processes to maximize alignment between business and IT.
- Drive adoption and growth using robust analytics to track and illustrate the progress and value.
- Extend management across heterogeneous IT environments to comprehensively manage and maintain all assets.

In today's world, IT connects people, process, and technology in a dynamic, distributed environment and delivers on multiple channels including desktops and mobile devices. While agility is required to innovate and compete in today's economy, the complexity and scale is unprecedented. To mitigate risk, organizations must control and track IT investments to ensure they align with corporate objectives. Oracle Enterprise Repository creates a solid foundation for API Lifecycle Management and SOA Governance that provides comprehensive insight into the business impact of projects and changes related to APIs, services and other integration artifacts.

Integrated, Closed-Loop API Lifecycle Management & SOA Governance

As more organizations look to expose APIs and services for consumption, to both internal teams as well as externally to communities of developers, there are a number of critical aspects to ensure overall success. This takes more than just advertising which APIs or services exist. The process must span the entire lifecycle and unite resources from across divisions and geographies in a collaborative, holistic approach. This means supporting internal corporate decision-making and compliance while nimbly exposing the valuable content and capabilities trapped within your enterprise. Oracle Enterprise Repository provides a common communication channel for the automated exchange of metadata and information among 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 community of developers and architects maximize the value of your internal integration investments and are able to assemble them into new opportunities for your business. Whether your goal is to create a SOA center of excellence, establish consistent processes via SOA Governance, or implement API Lifecycle Management for a community of developers building mobile applications, Oracle Enterprise Repository is a critical component for capturing, automating, and centralizing all of the lifecycle management aspects of challenges associated with each of these domains.

Powered by comprehensive automation capabilities, Oracle Enterprise Repository streamlines processes and optimizes reuse to promote and fosters service and API adoption. The solution establishes a foundation for the success by

- Management including governance across a heterogeneous IT environment
- Providing extensive automation and built-in best practices
- Focusing on business results

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Through a centralized repository, policy enforcement, and tracking of key performance indicators, leverage the foundation required to build business value and ensure success.

RELATED PRODUCTS

Oracle Web Services Manager
Oracle Enterprise Manager SOA Management Pack

The screenshot shows the Oracle Enterprise Repository interface. On the left, there is a sidebar with a search bar, a dropdown for 'Type' set to 'Composite Service', and a 'Fusion Apps: Logical Business Area' dropdown. Below these are buttons for 'Search' and 'Browse'. The main content area is titled 'Assets' and shows a list of services. A table lists 27 services, each with a name, version (11.1.5.0.0), type ('Composite Service'), and status ('Registered'). The services include various business logic and data access components. Below the table, a specific service is selected: 'Check Product Eligibility Service (11.1.5.0.0)'. The details page shows the internal name, lifecycle status (Active), and component type (BPEL). It also lists the component name, JAR location, and files. The files section shows 'File Type: BPEL' and 'File Name: CheckProductEligibility.bpel'. Another section shows 'File Type: Composite XML' and 'File Name: composite.xml'.

Figure: Oracle Enterprise Repository

Key Features

As an enabler for integrated, end-to-end lifecycle management, Oracle Enterprise Repository leverages the following functionality to overcome common challenges and fundamentally change the way business and IT professionals work across the extended enterprise.

Enterprise Visibility

Provide role-based visibility into all assets, regardless of source, through a centralized repository for APIs, 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 assets to associated business processes.

Comprehensive, Extensible Metadata

Create a system of record for all 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 Oracle JDeveloper

Allow developers to easily locate, understand, and consume assets from directly within their Oracle JDeveloper development environment (IDE).

Automated Introspection

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

API and SOA Lifecycle Management

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

Advanced Registration Flows

Automate approval and change management processes throughout the registration and lifecycle management. Fully automated workflows help organizations build trust and reduce

risk by ensuring assets meet standards and requirements before they are promoted to enterprise consumers.

Policy Management

Optimize 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 assets and standards for projects and deliver them 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 architecture. This helps enforce architectural standards during design and construction to ensure alignment and compliance.

Analytics for Measuring Value

Prove ROI with more than 20 out-of-the-box reports to demonstrate savings, track compliance, and illustrate 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 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, including

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

Contact Us

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



Oracle is committed to developing practices and products that help protect the environment

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Hardware and Software, Engineered to Work Together