

# ORACLE PORTAL

## KEY FEATURES AND BENEFITS

### FEATURES

- Integrate rich Enterprise 2.0 services via Oracle WebCenter Services
- Extended support of industry standards
- Eliminate boundaries between portlet and application development
- BPEL-based process content routing and approval
- Support for new HTML document type declarations
- Improved lifecycle support
- View real-time performance metrics for portal pages, portlets, and providers
- Deeper integration with Oracle Fusion Middleware and Oracle Applications

### BENEFITS

- Comprehensive, open and integrated framework
- Rich, declarative environment boosts productivity and expands the user-base to include business users, technical users and subject-matter experts.
- Robust integration with Oracle WebCenter Services enables enhanced user interaction with Enterprise 2.0 features

*Oracle Portal offers a complete and integrated framework for building, deploying, and managing enterprise portals running on Oracle WebLogic Server. Oracle Portal's unified and secure point of access to vital enterprise information and services improves business visibility and collaboration, reduces integration costs, and ensures investment protection. It enables companies to quickly build, administer, and deploy enterprise portals that are standards-driven, scalable, secure, and dynamic.*

### Evolution of Oracle Portal

Oracle Portal provides a highly tuned, mission-critical portal framework utilized by millions of users to access their content and data. Since its inception, Oracle Portal has provided a unique blend of productivity and power. Oracle Portal's wizard-based approach to portal development makes it easy to quickly build and evolve a portal by minimizing costly programming and maintenance. Recent improvements focus on new levels of flexibility, extensibility, and performance. Oracle Portal will continue to offer unmatched productivity and ease of use while providing more options to extend the product programmatically in order to address unique business requirements and integrate more easily with business applications.

### Oracle Portal on WebLogic Server Platform Increases Performance

Oracle Portal runs on Oracle WebLogic Server – a scalable, enterprise-ready Java Platform, Enterprise Edition (J2EE) application server. Oracle Portal leverages the benefits of WebLogic Server including: extended support for open standards around J2EE, Web Services, and Security; deeper and richer integrations with Real Application Clusters (RAC) and Enterprise Manager; adoption of Open Services Gateway Initiative (OSGi) technology to enable modularization; High Availability enabled through Coherence; and superior runtime performance using JRockit Java Virtual Machine (JVM). Additionally, WebLogic Server serves as the certified infrastructure for Oracle Fusion Middleware and Oracle Applications.

### Increase Productivity with Oracle WebCenter Services

Web 2.0 technologies such as wikis, RSS feeds, and blogs have changed the landscape of the Internet by empowering individuals across the globe. Oracle Portal can leverage Web 2.0 for the Enterprise with Oracle WebCenter Services<sup>1</sup>. Oracle WebCenter Services provides a set of enterprise-ready Web 2.0 services to extend the functionality of your applications and enrich end-user experience with enterprise

<sup>1</sup> Oracle WebCenter Services is available as a standalone product as well as a component of Oracle WebCenter Suite.

portals. These services can be easily portletized and consumed in Oracle Portal. A certified, out-of-the-box portlet producer (Java Specification Request [JSR] 168/Web Services for Remote Portlets [WSRP]), leverages WebCenter Service Task Flows, enabling the integration of Web 2.0 services into Oracle Portal. The key Web 2.0 services that can be integrated include social networking, discussions, wikis, blogs, presence and instant messaging, RSS feeds, activities, as well as personal productivity services such as email, worklists and calendar.

### **Increased Standards Support Improves IT Efficiency**

Oracle Portal's robust support for standards speeds development efficiencies. Oracle Portal utilizes JSR 168 and 170, WSRP 1.0 and 2.0, including rich, AJAX-enabled portlets built with ADF rich client technology to easily integrate portlets and content into Oracle Portal. Additionally, the support for JSR 301, the Java Server Faces (JSF) Portlet Bridge standard, makes it easy to integrate JSF applications into your Oracle Portal deployment. The JSF Portlet Bridge is available with an Oracle WebCenter Services license<sup>2</sup>.

### **Robust Content Integration with Oracle Portal**

Seamless integration of relevant content is vital to most portal deployments. Oracle Portal can consume standards-based (JSR 168 and WSRP) portlets leveraging the Document Library Service in order to access content in Oracle Universal Content Management Server. In addition, Oracle Portal allows you to surface content from third-party Content Management Systems via certified out-of-the-box standards-based portlets. For a more tailored solution, custom portlets built in JDeveloper that utilize Java Content Repository (JCR) adapters to connect to Content Management Systems can be easily consumed into Oracle Portal. Available adapters include Oracle Universal Content Management, Oracle Content DB, file systems, and third-party content management systems (separately licensed) such as Microsoft SharePoint, IBM Lotus Domino and EMC Documentum. The Portal JCR 1.0 adapter can be leveraged to directly access the Portal MetaData Repository content outside of Oracle Portal. WebDAV can be used to move Oracle Portal content over to the Enterprise Content Repository and then accessed enterprise-wide.

### **Extended Core Portal Functionality and Streamlined Administration**

Portal administrators can choose whether to use Oracle Portal's native capability or to leverage an Oracle BPEL workflow for routing and approval of content managed within Oracle Portal. In addition, portal administrators have the ability to choose among four HTML output types generated by Oracle Portal - HTML 4.01 Transitional, HTML 4.01 Strict, XHTML 1.0 Transitional, and XHTML 1.0 Strict. To enable streamlined administration, Oracle Portal is integrated with Oracle Enterprise Manager Fusion Middleware Control 11g, which introduces many important new features for monitoring and configuring portal components, viewing performance metrics for portal pages, portlets, and providers in real time, using the Oracle Enterprise Manager interface.

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<sup>2</sup> Requires the purchase of Oracle WebCenter Services

**Improved Lifecycle Support Improves Reliability**

A two-step portal export/import model supports Webmasters who wish to perform frequent, content-oriented exports. Based on database links configured between source and target portal instances, this export/import model eliminates the need to manually transfer export files via the command line from source to target instances. Export/import operations are performed entirely from within the Web browser. Formatting improvements in generated export log files assist portal administrators in understanding export results and troubleshooting issues. A direct-access user interface also makes it easier to manage and monitor export/import transport sets. The export/import utilities include several enhanced capabilities for Oracle Portal including pre-check improvements, Schema Validation Unit improvements, improved error logging, enhanced user guidance, export improvements, user interface enhancements, and new cloning functionality.

**Simplify and Extend Security**

Oracle Portal integrates with the Oracle Identity Management Suite and leverages the robust security capabilities of the underlying Oracle WebLogic Server platform. Oracle Portal uses the mod\_osso authentication module for Oracle SSO integration, in line with the recommended strategy for J2EE applications. Oracle Portal's support for Web Services (WS)-Security also makes it easy to secure a WSRP producer with WS-Security and select an appropriate token type to use for identity propagation. Finally, the optimization of Oracle Internet Directory Integration lets you adjust for login performance and specify how soon the effects of provisioning changes in groups affect user authorizations. The above capabilities exemplify Oracle Portal's adoption of best practices around security.

**Deeper Integrations with Oracle Technology and Applications**

Oracle Portal provides comprehensive out-of-the-box integrations with Oracle Fusion Middleware components. New certified portlets (licensed through the respective Oracle Fusion Middleware components) include: Oracle Secure Enterprise Search for delivering comprehensive search results across enterprise resources; Oracle BPEL for a more complete view of business process notifications, task analysis, and reporting; Oracle Business Intelligence Enterprise Edition (Siebel BI Tools) and Hyperion System 9 Business Performance Management to deliver the intelligence organizations need to keep their competitive edge.

Out-of-the-box integrations with Oracle Applications further support the compelling interoperability capabilities of Oracle Portal. Some of the key integrations include PeopleSoft Enterprise Applications Release 9 and its set of WSRP-based PeopleSoft Release 9 portlets; Oracle E-Business Suite (EBS) 12.1+ and its JSR 168/WSRP 1.0 based portlets, as well as the JPDK portlets from Oracle E-Business Suite 11i; JD Edwards 8.95+'s FDA-based portlets. ADF task flows using Web Services and JSR 227-based data controls can be leveraged to surface content from Enterprise applications (EBS, PeopleSoft, Siebel, JD Edwards, Oracle Agile, Oracle Retail). These task flows can then be portletized using the Oracle JSF Portlet Bridge for consumption into Oracle Portal.

### Maximize Visibility and Protect Investments with Oracle Portal

Oracle Portal provides a rich, declarative environment for creating enterprise-wide and line-of-business specific portal web interfaces, publishing and managing information, accessing dynamic data, and customizing the portal experience, all with an extensible framework for J2EE-based application access. Oracle Portal's hot-pluggability with Oracle WebCenter Services, other Oracle Fusion Middleware products, and Oracle Applications enables access to vital enterprise resources to improve business visibility, reduce integration costs, and ensure investment protection.

### Contact Us

For more information about Oracle Portal, please visit [oracle.com](http://oracle.com) or call +1.800.ORACLE1 to speak to an Oracle representative.



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

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