

ORACLE WEBCENTER SUITE 10g R3

PRODUCT SUMMARY

SUITE COMPONENTS:

- WebCenter Framework
- WebCenter Services for Web 2.0 collaboration including wikis, discussion forums, analytics and REST-based application integration
- WebCenter Interaction features provide an open and extensible solution for delivering team-based community spaces with support for cross-platform integration (.NET and Java) and capabilities for assembling content and collaborative applications
- WebCenter Anywhere
- Additional capabilities for search, content management, presence and workflow

STANDARDS SUPPORTED

- Application: JSF, MVC
- Security: WS-Security, JAAS
- Portal: JSR 168, WSRP 1.0 & 2.0, and JSR 301
- Content: JCR/ JSR 170 with connectors to Documentum, SharePoint and Notes
- Data Model: JSR 227
- Communication: SIP/ JSR 116
- Deployment: JSR 88

Oracle WebCenter Suite is the industry's most integrated, comprehensive, and standards-compliant user interaction product suite providing Web integration and interface services for deploying a broad range of solutions. These include portals and composite applications with unique capabilities for custom development of Enterprise 2.0 collaborative and social applications that seamlessly combine search, publishing and knowledge management. As part of a SOA environment, Oracle WebCenter Suite provides valuable new capabilities for connecting enterprise systems more effectively with users enhancing information worker productivity and the value of existing IT investments.

Comprehensive and integrated user interaction capabilities

Oracle WebCenter Suite is an integrated set of products used to create social applications, enterprise portals, collaborative communities, and composite applications, and Internet/Intranet web sites with Oracle Enterprise Content Management Suite, all built on a standards-based, service-oriented architecture. The suite combines the development of rich internet applications (RIAs) via dynamic user interface technologies, the flexibility and power of an integrated, multi-channel portal framework and a set of horizontal Enterprise 2.0 services that provide content, collaboration, presence and social networking capabilities. Oracle WebCenter Suite provides an open and extensible solution that allow users to interact directly with services like instant messaging, documents and content, voice over IP, discussion forums, and wiki directly within the context of a portal or an application creating a more accessible and streamlined user experience. Together, these tools and services empower end-users and IT to build and deploy next-generation collaborative applications and portals that improve the productivity of key internal and external business processes.

Major components of Oracle WebCenter Suite 10g R3

WebCenter Framework – declarative Java Server Faces (JSF) based framework that enables embedding of AJAX-based components, portlets and content to create context-rich customizable applications. Provided as an extension to Oracle JDeveloper in providing an integrated development environment for J2EE applications, SOA processes, BI applications and enterprise portals.

WebCenter Services - includes Web 2.0 content, collaboration and communication services that can be embedded directly into applications. Services include discussion forums, wikis, content management, search, presence, REST-based application integration, usage analytics, and BPEL-based workflow.

WebCenter Interaction – a set of features formerly known as BEA AquaLogic User Interaction that can be used to deploy collaborative communities and composite

solutions. These features are designed for diverse platforms with native support for .NET and Java environments and provide a range of capabilities from infrastructure services to collaboration and Microsoft SharePoint integration for knowledge workers.

WebCenter AnyWhere – a robust set of wireless services that provides multi-channel delivery and enables users to connect and work with WebCenter applications from any connected device including desktop, mobile voice, mobile messaging and mobile applications.

KEY BENEFITS

- Enhance information worker productivity by providing user-centric solutions that address the challenges of information management and collaboration complexity
- Improve IT cycle times for application development by seamlessly blending Web 2.0 services, processes, BI, and transactions in an integrated JSF framework
- Decrease overall cost of ownership with certified integrations with Oracle eBusiness Suite, Siebel, PeopleSoft, JD Edwards and SAP

RELATED PRODUCTS

- Oracle Application Server Standard Edition
- Oracle SOA Suite
- Oracle JDeveloper

Build context-rich, customizable solutions – WebCenter Framework

WebCenter Framework supports the creation and execution of context-rich applications by augmenting the JSF environment with additional components, integration, and runtime options. The WebCenter Framework integrates capabilities historically included in portal products directly into the ‘fabric’ of the JSF environment – such as the ability to bind portlets and customize the application at runtime. A complete, standards-based portlet development environment and business user tools support rapid creation of JSR 168-based portlets and deployment of WSRP 1.0 and 2.0-based portlet producers. The Framework also includes a JSF-Portlet Bridge that allows easy conversion of any JSF application into a JSR 168 portlet. Content is easily integrated and published using data controls built to the JCR/JSR 170 standard. Content repositories supporting the JCR standard can be configured, and adapters are available for Oracle Content Repository, Oracle Portal, file systems, and leading third party content management systems such as Documentum, Microsoft SharePoint and Lotus Notes. In addition, the WebCenter Framework is delivered as an Oracle JDeveloper extension, providing a unified development environment for developers to build and deliver SOA process models, BI applications, enterprise portals and composite applications.

Embed Web 2.0 into applications–WebCenter Services

WebCenter Services include a complete set of Web 2.0 content, search, collaboration, and communication services that can be embedded directly into applications built with the WebCenter Framework and existing Oracle Portal, Oracle WebLogic Portal and Oracle WebCenter Interaction deployments. In addition, these services can be deployed into custom application. These services include:

- Oracle Content Repository for storing and managing files and documents
- Oracle Secure Enterprise Search for locating and accessing enterprise data and documents delivered as part of a WebCenter application or portal
- SIP-based Instant Messaging and Online Presence for real-time connections via text, voice, or video
- Telephony infrastructure components for voice-based applications
- Discussion forums for sharing community knowledge
- Wikis for collaborative authoring of documents and sharing of ideas
- Oracle Ensemble for REST-based application integration blending Web resources via mashups to any existing application built in PHP, PERL, .NET, Ruby and other development frameworks

- Oracle WebCenter Analytics for metrics-based reporting analytics on user activity and content usage

Seamlessly bridge diverse platforms – WebCenter Interaction Features

The collection of WebCenter Interaction features (formerly BEA AquaLogic User Interaction) provides an open and extensible solution for delivering team-based community spaces for heterogeneous environments. These capabilities support cross-platform integration (.NET and Java) and can be used for assembling content and collaborative applications. These features include:

- Oracle WebCenter Interaction provides a platform independent community that enables teams to work together within and across organizations
- Oracle WebCenter Collaboration provides project team collaboration for documents, tasks and events
- Oracle WebCenter .NET Application Accelerator allows developers to integrate new or existing Microsoft ASP.NET applications and services directly into any complaint WSRP consumer, including solutions built with Oracle WebCenter Suite
- Oracle WebCenter SharePoint Console is a packaged integration solution for Microsoft Windows SharePoint Services that allows users to easily discover and retrieve SharePoint resources for use in enterprise-class WebCenter deployments.

Access WebCenter applications on any device–WebCenter Anywhere

WebCenter Anywhere leverages Oracle’s robust wireless platform and standards-based framework for rapidly developing enterprise mobile applications (ADF Mobile) to bring the benefits of a unified work environment to all types of mobile technologies, including connected devices like PDAs and Smartphones, Mobile Voice, Mobile Messaging, and even Telnet-based devices for industrial users. With WebCenter Anywhere, the productivity and efficiency of context-rich WebCenter applications are available to users no matter what device they use and wherever they happen to be.

Summary

To go beyond the business agility benefits of SOA and achieve new levels of information worker productivity requires new approaches for building more effective, user-centric applications and portals that address the worker challenges of information management and collaboration complexity. By integrating Enterprise 2.0 capabilities with enterprise systems and applications, the Oracle WebCenter Suite empowers information workers and IT to build next-generation collaborative portals and applications that transform how users work privately and with others, within and across the enterprise. The suite offers an integrated multi-channel, composite user interface environment (or portal) that personalizes access to desktop tools, enterprise applications, business processes, business intelligence and documents. Based on industry standards, the solution provides an integrated development environment for building new applications and unifies the disparate user interactions required with today’s web sites, transactional applications and enterprise portals to create a more effective and social user experience.