Oracle® WebCenter Interaction

Deployment Overview Guide

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ORACLE

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Contents

1. Welcome

Products Covered by the Deployment Guide 1-1

How to Use This Book 1-2

Audience 1-2

Organization. 1-2

Typographical Conventions 1-3

Oracle Documentation and Resources 1-4

2. Documentation Overview

Deployment Documentation 2-1

Deployment Planning Guide 2-1

Customization and Localization Guide 2-2

Maintenance Guide 2-2

Networking and Authentication Guide 2-2

Other Documentation 2-2

Product Documentation 2-2

Online Help 2-2

Development Documentation 2-3

3. Oracle WebCenter Architecture

Oracle WebCenter Interaction. 3-1

Oracle WebCenter Interaction Components 3-1

Portal. 3-1

Document Repository 3-1
Search. 3-2
Automation Service 3-2
Image Service. 3-2
Portal Features. 3-2
Experience Definitions. 3-2
Knowledge Directory. 3-2
Oracle WebCenter Analytics 3-2
Oracle WebCenter Collaboration 3-2
Oracle-BEA AquaLogic Interaction Publisher. 3-3
Oracle WebCenter BPM Workspace Extensions 3-3
Oracle-BEA AquaLogic Interaction Studio 3-3
Developer Tools 3-3
Oracle WebCenter Interaction Development Kit (IDK) 3-3
Oracle WebCenter Application Accelerator for .NET 3-3
Integration Services 3-4
Documentum 3-4
Oracle WebCenter Content Service for Documentum 3-4
Oracle-BEA AquaLogic Interaction Portlet Suite - Documentum 3-4
IBM/Lotus Notes. 3-4
Oracle WebCenter Content Service for Lotus Notes 3-4
Oracle-BEA AquaLogic Interaction Portlet Suite - Lotus Notes. 3-4
IMAP. 3-5
Oracle-BEA AquaLogic Interaction Portlet Suite - IMAP 3-5
LDAP 3-5
Oracle WebCenter Interaction Identity Service for LDAP 3-5
Microsoft. 3-5
Oracle WebCenter Content Service for Windows Files. 3-5

Oracle WebCenter Interaction Identity Service for Active Directory 3-5
Oracle-BEA AquaLogic Interaction Portlet Framework - Microsoft Excel . . 3-5
Oracle WebCenter Content Service for Microsoft Exchange. 3-6
Oracle-BEA AquaLogic Interaction Portlet Suite - Microsoft Exchange 3-6
Oracle WebCenter Console for Sharepoint 3-6
PeopleSoft 3-6
Oracle-BEA AquaLogic IDK Extension - PeopleSoft. 3-6
SAP 3-6
Oracle-BEA AquaLogic IDK Extension - SAP 3-6
Siebel 3-7
Oracle-BEA AquaLogic IDK Extension - Siebel. 3-7

CHAPTER 1

Welcome

This book provides an overview of the Oracle WebCenter products and the resources to assist in deploying Oracle WebCenter.

Products Covered by the Deployment Guide

This section lists the products covered by all of the Deployment Guide books. The Deployment Guide books are:

- Deployment Overview Guide
- Deployment Planning Guide
- Customization and Localization Guide
- Maintenance Guide
- Networking and Authentication Guide

The following table lists the versions of all products covered by the Deployment Guide books:

Table 1-1 Products Covered by the Deployment Guide

Product	Versions
Oracle WebCenter Interaction	10.3.0
Oracle WebCenter Analytics	10.3.0
Oracle WebCenter Collaboration	10.3.0

Table 1-1 Products Covered by the Deployment Guide

Product	Versions
Oracle WebCenter Interaction Development Kit (IDK)	10.3.0
Oracle-BEA AquaLogic Interaction Publisher	6.4, 6.3, 6.2
Oracle-BEA AquaLogic Interaction Studio	2.2 MP1, 2.2, 2.1 SP1

How to Use This Book

Audience

This guide is written to provide guidance to people responsible for the design and deployment of the Oracle WebCenter system. Access to resources with strong knowledge of the platform operating system, database, web and application servers, and any other third-party software is recommended.

Organization

This guide includes the following chapters:

- This chapter provides information on how to use this guide and describes general resources available to assist in the Oracle WebCenter deployment.
- Chapter 2, "Documentation Overview," describes documentation resources available to assist in planning, implementing, and administering an Oracle WebCenter deployment.
- Chapter 3, "Oracle WebCenter Architecture," provides an overview of the components of Oracle WebCenter.

Typographical Conventions

This book uses the following typographical conventions.

Table 1-2 Typographical Conventions

Convention	Typeface	Examples/Notes
• Items you need to take action on (such as files or screen elements)	**bold**	• Upload **Procedures.doc** to the portal. • To save your changes, click **Apply Changes**.
• User-defined variables • New terms • Emphasis • Object example names	*italic*	• The migration package file is located in *install_dir*\serverpackages. • *Portlets* are Web tools embedded in your portal. • The URI *must* be a unique number. • The example Knowledge Directory displayed in Figure 5 shows the *Human Resources* folder.

• Text you enter
• Computer generated text (such as error messages)
• Code samples
	`computer`	• Type `Marketing` as the name of your community.
		• This script may generate the following error: `ORA-00942 table or view does not exist`
		• Example:
		`<setting name="SSOCookieIsSecure">`
		`<value xsi:type="xsd:integer">0</value>`
		`</setting>`

• Environment variables	ALL_CAPS	• ORACLE_HOME specifies the directory where Oracle products are installed.

Oracle Documentation and Resources

This section describes other documentation and resources provided by Oracle.

Table 1-3 Oracle Documentation and Resources

Resource	Description
Installation and Upgrade Guides	These guides describe the prerequisites (such as required software) and procedures for installing or upgrading the various Oracle WebCenter components. These guides are available on the Oracle Technology Network at http://www.oracle.com/technology/documentation/bea.html.
Release Notes	The release notes provide information about new features, issues addressed, and known issues in the release of various Oracle WebCenter products. They are available on the Oracle Technology Network at http://www.oracle.com/technology/documentation/bea.html.
Administrator Guides	These guides describe how to manage, maintain, and troubleshoot the various Oracle WebCenter components. These guides are available on the Oracle Technology Network at http://www.oracle.com/technology/documentation/bea.html.
Online Help	The online help is written for all levels of Oracle WebCenter users. It describes the user interface for Oracle WebCenter components and gives detailed instructions for completing tasks in Oracle WebCenter products. To access online help, click the help icon.
Oracle Technology Network (OTN)	The Oracle Technology Network is the world's largest community of developers, DBAs, and architects using Oracle products and industry-standard technologies. Every day, members collaborate via OTN to share real-world insight, expertise, and best practices on how to build, deploy, manage, and optimize applications. As a member of the Oracle Technology Network you will enjoy access to software downloads, discussion forums, documentation, wikis, podcasts, blogs, plus much more. Access the Oracle Technology Network at http://www.oracle.com/technology/index.html.
Oracle Support	The Oracle Support site provides access to all Oracle support resources including online support, software and patches, technical articles, and contact numbers. Access the Oracle Support site at http://www.oracle.com/support/index.html.

CHAPTER 2

Documentation Overview

This chapter provides an overview of documentation available to assist in planning, implementing, and maintaining an Oracle WebCenter deployment.

Caution: All users must follow all guidance documentation to ensure correct operation.

Deployment Documentation

In addition to this guide the following documentation will assist in the deployment of Oracle WebCenter.

Deployment Planning Guide

The *Oracle WebCenter Interaction Deployment Planning Guide* provides guidance in planning an Oracle WebCenter deployment. This includes:

- Planning portal structure and content.
- Defining portal administrative roles.
- Planning for your security needs.
- Using migration and staging in developing and deploying an Oracle WebCenter system.
- Provisioning hardware for the Oracle WebCenter deployment.

Customization and Localization Guide

The *Oracle WebCenter Interaction Customization and Localization Guide* provides an overview of UI customizations and information on localizing the various Oracle WebCenter components.

Maintenance Guide

The *Oracle WebCenter Interaction Maintenance Guide* provides guidance for maintaining your Oracle WebCenter deployment. This includes developing maintenance plans and tuning application servers.

Networking and Authentication Guide

The *Oracle WebCenter Interaction Networking and Authentication Guide* provides information on network considerations. This includes:

- Network security
- Load balancing and redundancy
- SSO and authentication

Other Documentation

Product Documentation

Installation and Upgrade Guides, Administrator Guides, and other documentation is available for each Oracle WebCenter component. These guides are located in the product specific page on the Oracle Technology Network at http://www.oracle.com/technology/documentation/bea.html.

Online Help

Online help is accessible through the user interface of each of the Oracle WebCenter products. Online help covers context specific usage as well as procedures for performing end-user and administrative tasks.

Development Documentation

The development documentation describes how to install and use the Oracle WebCenter Interaction Development Kit (IDK), the Oracle WebCenter Application Accelerator for .NET, and other development tools.These guides are located in the product specific page on the Oracle Technology Network at http://www.oracle.com/technology/documentation/bea.html.

In addition, the Oracle Technology Network provides articles and discussion about Oracle WebCenter development.

CHAPTER 3

Oracle WebCenter Architecture

This chapter provides an overview of the Oracle WebCenter architecture.

Oracle WebCenter Interaction

Oracle WebCenter Interaction provides the framework for applications, supports virtual community workspaces, and integrates them all into a cohesive Web work environment.

Oracle WebCenter Interaction Components

Portal

The portal serves end user portal pages and content, and provides a gateway to backend systems.

The portal enables end users to access portal content via My Pages, community pages, the knowledge directory, and search. The portal also enables some administrative actions, such as setting preferences on portlets or managing communities.

Document Repository

The Document Repository Service stores content uploaded into the portal, such as images or documents uploaded into Oracle WebCenter Collaboration or Oracle-BEA AquaLogic Interaction Publisher.

Search

Search provides indexing and query services for content that is in the Oracle WebCenter deployment. Content that is indexed in the Oracle WebCenter system includes documents, portlets, communities, users, and other Oracle WebCenter objects.

Automation Service

The automation service runs jobs that perform tasks such as crawling documents into the knowledge directory, synchronizing groups and users with external authentication sources, and maintaining the search collection.

Image Service

The image service serves images, javascript, and other static content for use by the Oracle WebCenter system.

Portal Features

Experience Definitions

Experience definitions allow different audiences to be presented with different branding and features in the portal.

Knowledge Directory

The knowledge directory is a portal area that users can browse to discover documents that have been uploaded by users or imported by content crawlers.

Oracle WebCenter Analytics

Oracle WebCenter Analytics delivers comprehensive reporting on activity and content usage within portals and composite applications, allowing you to know and meet user information needs.

Oracle WebCenter Collaboration

Oracle WebCenter Collaboration helps people work together via the Web, supporting task management, projects, communities, calendars, discussions, and document sharing with version control.

Oracle-BEA AquaLogic Interaction Publisher

Oracle-BEA AquaLogic Interaction Publisher allows publication and management of Web content for portals and Web applications, with forms-based publishing, branding, templates, workflow, approvals, and content expiration.

Oracle WebCenter BPM Workspace Extensions

Oracle WebCenter BPM is used to create and manage departmental, enterprise, and inter-enterprise business processes. Oracle WebCenter BPM Workspace Extensions is an extended version of Oracle WebCenter BPM, designed to integrate with the Oracle WebCenter Interaction portal to provide an enhanced set of administrative features and end user experiences.

Oracle-BEA AquaLogic Interaction Studio

Oracle-BEA AquaLogic Interaction Studio lets portal managers create portlets, such as telephone lists, work order processes, calendars and surveys, without any coding.

Developer Tools

Oracle WebCenter Interaction Development Kit (IDK)

The Oracle WebCenter Interaction Development Kit (IDK) enables Java and .NET developers to rapidly build, deliver, and improve user-centric composite applications through Oracle WebCenter Interaction. The IDK provides interfaces for Integration Web Services -- authentication, profile, crawler, and search -- that integrate enterprise systems into Oracle WebCenter Interaction. IDK Extensions provide a framework for customized Oracle WebCenter Interaction-based applications. Additional developer tools include Oracle WebCenter Logging Utilities, standardized support for .NET Web Controls, WSRP, and JSR-168.

Oracle WebCenter Application Accelerator for .NET

The Oracle WebCenter Application Accelerator for .NET is a collection of libraries and Visual Studio .NET integration features that support easy authoring of ASP.NET 2.0 portlets. Portlets authored using the Oracle WebCenter Application Accelerator for .NET can be consumed in both Oracle portal environments: Oracle WebCenter Interaction and Oracle WebLogic Portal (WLP).

Integration Services

Integration services provide ways to combine the functionality of commonly deployed enterprise systems into composite applications. Services connect with a range of enterprise systems, including Documentum, IBM/Lotus Notes, Siebel, SAP and most Microsoft applications, including Active Directory, Excel, Exchange, Windows, and Sharepoint.

Documentum

Oracle WebCenter Content Service for Documentum

Oracle WebCenter Content Service for Documentum scans Documentum Docbases for new content, categorizing links to Documentum content in the organized, searchable structure of the Oracle WebCenter Interaction Knowledge Directory.

Oracle-BEA AquaLogic Interaction Portlet Suite - Documentum

Oracle-BEA AquaLogic Interaction Portlet Suite -Documentum provides Documentum content management capabilities within the context of Oracle WebCenter Interaction. The portlets provide personalized access to docbases, inboxes, documents, workflows, and workareas.

IBM/Lotus Notes

Oracle WebCenter Content Service for Lotus Notes

Oracle WebCenter Content Service for Lotus Notes scans Notes databases for new content, categorizing links to Notes content in the organized, searchable structure of the Oracle WebCenter Interaction Knowledge Directory. This allows customers to avoid the costs of replicating Notes databases by publishing Notes content in an enterprise-wide knowledge management system.

Oracle-BEA AquaLogic Interaction Portlet Suite - Lotus Notes

Oracle-BEA AquaLogic Interaction Portlet Suite - Lotus Notes allows users to access Lotus Notes email, calendar and contacts within Oracle WebCenter Interaction. The Portlet Suite increases productivity by providing enterprise users portal-based access to commonly used functions.

IMAP

Oracle-BEA AquaLogic Interaction Portlet Suite - IMAP

Oracle-BEA AquaLogic Interaction Portlet Suite - IMAP allows users to access email from IMAP-compliant mail servers on their My Page, community pages or through wireless devices like mobile phones or handheld devices.

LDAP

Oracle WebCenter Interaction Identity Service for LDAP

Oracle WebCenter Interaction Identity Service for LDAP enables you to import and synchronize users and groups with associated profile information into Oracle WebCenter Interaction from an external LDAP source. At the time of login, the user's username and password are passed to the LDAP source for purposes of authentication, replacing native LDAP authentication.

Microsoft

Oracle WebCenter Content Service for Windows Files

Oracle WebCenter Content Service for Windows Files scans Windows file systems for new content, categorizing links to content in the organized, searchable structure of the Oracle WebCenter Interaction Knowledge Directory. Windows NT, Windows 2000, and Windows 2003 are supported.

Oracle WebCenter Interaction Identity Service for Active Directory

Oracle WebCenter Interaction Identity Service for Active Directory enables the authentication and synchronization of users between Microsoft's Active Directory (AD) and Oracle WebCenter Interaction. The Identity Service retrieves user information from AD, allowing for user information to be mapped (and leveraged) within Oracle WebCenter Interaction.

Oracle-BEA AquaLogic Interaction Portlet Framework - Microsoft Excel

Oracle-BEA AquaLogic Interaction Portlet Framework - Microsoft Excel lets business users create portlets that display information from Excel spreadsheets, tables and charts. Placed in a community or personalized portal page, an Excel portlet can appear as a table, a dropdown menu, or a chart, and can present virtually any kind of information.

Oracle WebCenter Content Service for Microsoft Exchange

Oracle WebCenter Content Service for Microsoft Exchange scans Exchange Servers for new content, categorizing links to Microsoft Exchange content in the organized, searchable structure of the Oracle WebCenter Interaction Knowledge Directory.

Oracle-BEA AquaLogic Interaction Portlet Suite - Microsoft Exchange

Oracle-BEA AquaLogic Interaction Portlet Suite - Microsoft Exchange allows users to access their Exchange calendars and email inboxes from personalized portal pages, and search Microsoft Exchange Contacts.

Oracle WebCenter Console for Sharepoint

Oracle WebCenter Console for Sharepoint imports, indexes, and returns Microsoft Windows Sharepoint Services resources via Oracle WebCenter Interaction Search.

PeopleSoft

Oracle-BEA AquaLogic IDK Extension - PeopleSoft

Oracle-BEA AquaLogic Interaction Development Kit (IDK) Extension - PeopleSoft is a flexible and comprehensive integration solution for PeopleSoft. This solution provides customers and partners with a framework and methodology for building custom, Oracle WebCenter Interaction-based applications that interface with PeopleSoft.

SAP

Oracle-BEA AquaLogic IDK Extension - SAP

Oracle-BEA AquaLogic Interaction Development Kit (IDK) Extension - SAP is a flexible and comprehensive integration solution for SAP. This solution provides customers and partners with a framework and methodology for building custom, Oracle WebCenter Interaction-based applications that interface with SAP.

Siebel

Oracle-BEA AquaLogic IDK Extension - Siebel

Oracle-BEA AquaLogic Interaction Development Kit (IDK) Extension - Siebel is a flexible and comprehensive integration solution for Siebel. This solution provides customers and partners with a framework and methodology for building custom, Oracle WebCenter Interaction-based applications that interface with Siebel.