Oracle® WebCenter Portal

Installation and Configuration Roadmap 11*g* Release 1 (11.1.1.6.0) for Windows

E22628-02

November 2011

Welcome to Oracle WebCenter Portal!

Use this documentation roadmap to find instructions on how to install, upgrade, and/or patch Oracle WebCenter Portal, then perform the necessary configurations. In Figure 1, find the starting point that best describes your current environment, then click the graphic or use the links in Table 1 to jump to the Guide that you need.

Figure 1 Starting Points for WebCenter Portal Installation

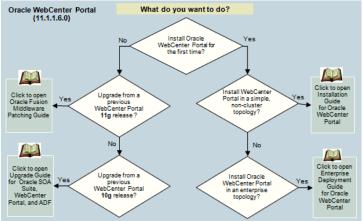


Table 1 Starting Points for WebCenter Portal Installation

| Sta | arting Point | Install Summary | Detailed Instructions | |
|-----|---|-----------------|--|--|
| Ne | w WebCenter Portal Installation | | | |
| • | Install WebCenter Portal in a simple, non-clustered topology? | Roadmap | Oracle Fusion Middleware Installation Guide for Oracle WebCenter Portal | |
| • | Install WebCenter Portal in an enterprise topology? | Roadmap | Oracle Fusion Middleware Enterprise Deployment Guide for Oracle WebCenter Portal | |
| | sting WebCenter Portal stallation | | | |
| • | Upgrade from a previous 11g release to the current version? | Roadmaps | Oracle Fusion Middleware Patching Guide | |
| • | Upgrade from a previous 10g release to the current version? | Roadmap | Oracle Fusion Middleware Upgrade Guide for Oracle SOA Suite, WebCenter Portal, and ADF | |



Before you start, review the installation roadmap for your installation:

Installing WebCenter Portal for the First Time

- New Oracle WebCenter Portal Installations Roadmaps
 - Installing Oracle WebCenter Portal for the First Time Simple Topology
 - Installing Oracle WebCenter Portal for the First Time Enterprise Topology
 - Post-install Configuration for WebCenter Portal Components and Services

Upgrading an Existing WebCenter Portal 11g Installation

- Existing Oracle WebCenter Portal 11g Installation Roadmaps
 - Patching an Oracle WebCenter Portal 11.1.1.4.0 or 11.1.1.5.0 Installation
 - Patching an Oracle WebCenter Portal 11.1.1.2.0 or 11.1.1.3.0 Installation
 - Patching an Oracle WebCenter Portal 11.1.1.1.0 Installation

Upgrading an Existing WebCenter Portal 10g Installation

- Existing Oracle WebCenter Portal 10g Installation Roadmap
 - Upgrading from Oracle WebCenter 10g 10.1.3

Note: For existing installations, note that upgrades may include new features that will need to be configured as described in the section on New Oracle WebCenter Portal Installations - Roadmaps.

New Oracle WebCenter Portal Installations - Roadmaps

The roadmaps in this section provide an overview of the steps required to install Oracle WebCenter Portal and guides you to the documentation. Oracle provides documentation for two installation scenarios:

- **Simple topology** install Oracle WebCenter Portal in a simple, non-clustered environment. Figure 2 illustrates the installation process for a simple topology.
- Enterprise topology install Oracle WebCenter Portal in a distributed environment with built-in security and high availability. Figure 3 illustrates the installation process for an enterprise topology.

Figure 4 shows post-installation steps required to configure WebCenter Portal components and services that are required for both topologies. Click the flow charts for more information on how to complete each step.

Before you start, you might like to read:

Oracle Fusion Middleware Installation Planning Guide

Start Install WebLogic Perform pre-install Verify Install and Create Server and tasks for system configure a create Middleware schemas WebCenter Portal requirements database Download Install Install WebCenter WebCenter WebCenter Portal Portal Portal software Install Oracle Install Oracle Install other Fusion Install Oracle Web Tier WebCenter Middleware products SOA Suite (Oracle HTTP Content Server (BPEL server) Configure Configure Specify domain Configure a domain Create new Select required Start administrator JDBC Configuration domain or extend WebCenter name and for name and component WebCenter Portal Wizard a domain Portal products location password schemas Extend for Create a custom Create a custom Enable Extend the additional managed server managed server Oracle BPM WebCenter Portal WebCenter for Framework for Portlet Process domain (if required) Portal products applications Produce Spaces Launch the Start the Set up and start Launch the Verify the managed servers Node Manager Admin server installation servers Configure Reassociate WebCenter Configure policy and security components LDAP ID store Portal to use single sign-on credential stores LDAP ID store Include Content Set up Content Configure Connect Install and Configure Server context Configure domain for Oracle HTTP Server for WebCenter configure dynamic WebCenter Portal to root in Content Server Server for Inbound Refinery converter Portal single sign-on Content Server connection Install, configure, and Connect to Connect to Configure Register Register connect back-end Connect to analytics discussions Spaces portlet pagelet components for BPEL server collector server workflows producers producer WebCenter Portal Worklists Disussions & Subscription WSRP & PDK-Pagelets ictivity graph Connect to Configure SES Configure Connect to Connect to Done presence Search Personalization mail server events server

Figure 2 Installing Oracle WebCenter Portal for the First Time - Simple Topology

Click the flow chart or use Table 2 to navigate to the appropriate Guide.

Mail

Personal calendar

WebCenter Portal 11.1.1.6.0

server Instant messaging

Table 2 Installing Oracle WebCenter Portal for the First Time - Simple Topology

| Task and link to more information | Mandatory or Optional? | Notes |
|--|---------------------------|--|
| Perform pre-install tasks | Mandatory | |
| Verify system requirements, then install and configure a database | Mandatory | |
| Create schemas for the Spaces application Create schemas for WebCenter Portal applications | Mandatory | If you want to use Spaces as well as build WebCenter Portal applications you must run the RCU twice as both require their own WEBCENTER schema. |
| | | Schemas for the Discussions service and portlets are also required if you plan to use those services. If you plan on using the Recommendation service, then the Activity Graph product needs to be installed. Analytics and Activity Graph can be used only by a single application within a domain. If Activity Graph is installed, the ACTIVITIES schema cannot be shared. |
| Install Oracle WebLogic Server | Mandatory | |
| Install Oracle WebCenter Portal: | Mandatory | |
| ■ Download WebCenter Portal software | | |
| Install WebCenter Portal products | | |
| Install other Fusion Middleware products: Oracle WebCenter Content | Optional | SOA is mandatory for the Worklist service and Spaces workflows. |
| Oracle SOA SuiteOracle Web Tier (Oracle HTTP Server) | | Oracle WebCenter Content is mandatory for Content Presenter, wiki, and the Documents service. |
| | | OHS is recommended for Oracle WebCenter Content Server integration and for single sign-on (SSO) since SSO is needed to stop multiple login prompts), and is required for REST and SOA. |
| Configure a domain for WebCenter Portal | Mandatory | You may choose to create a new domain or extend an existing domain for WebCenter Portal. |
| Extend the WebCenter Portal domain to: | Optional | Oracle does not recommend |
| ■ Install additional WebCenter products | | deploying WebCenter Portal applications or WebCenter Portal |
| Create a custom managed server for Framework applications | | Producer applications to the Administration Server or any of |
| Create a custom managed server for Portlet Producer applications | | the default managed servers created during Oracle WebCenter Portal installation. |
| Enable Oracle BPM Process Spaces | | |

Table 2 (Cont.) Installing Oracle WebCenter Portal for the First Time - Simple Topology

| Task and link to more information | Mandatory or Optional? | Notes |
|--|------------------------|--|
| Start the servers: | Mandatory | |
| ■ Start the Administration Server | | |
| ■ Set up and start the Node Manager | | |
| Start managed servers | | |
| Verify the installation | | |
| Install and configure external LDAP ID store | Mandatory | Mandatory for Oracle WebCenter Content Server and Discussions |
| Configure the domain for Oracle WebCenter Content Server | Optional | Mandatory for Content Presenter, wiki and the Documents service. |
| Install, configure, and connect back-end components for WebCenter Portal services: | Optional | Mandatory for the WebCenter Portal services you want to use |
| Connect to analytics collector | | See also, Post-install |
| ■ Connect to BPEL server | | Configuration for WebCenter Portal Components and Services |
| Connect to discussion server | | Torum Componente una corvicce |
| Configure Spaces workflows | | |
| Register portlet producers | | |
| Register pagelet producer | | |
| ■ Connect to presence server | | |
| ■ Configure SES Search | | |
| Configure personalization | | |
| ■ Connect to mail server | | |
| ■ Connect to events server | | |

Start Verify hardware Verify software Install and configure requirements requirements a database Configure Firewallsand Set up shared Configure network Virtual server Load balancers IPs and virtual IPs credential and components names ports storage (optional) policy store Install Orade HTTP Install WebLogic Server and create a Middleware home on SOAHOST1, Install Oracle WebCenter Portal on Server (OHS) on Enable VIP1 in SOAHOST1, SOAHOST2, WCPHOST1, WEBHOST1 & SOAHOST1 SOAHOST2, WCPHOST1, WCPHOST2 WCPHOST2 WEBHOST2 Configure Oracle HTTP Server for Extend domain for Extend domain for Configure Java Object Cache Create domain on Set up and start WebCenter Portal Node Manager SOAHOST1 SOA components WLS_SOAn products* *Includes option to create custom managed server for WebCenter Portal: Framework applications Configure required Connect to Configure Configure Register Register Connect to external WebCenter discussions analytics portlet pagelet BPEL server Portal services server collector workflows producers producer Disussions & Analytics and activity graph Subscription notifications WSRP and PDK-Java portlets Worklists Pagelets To enable: Configure Oracle SES Connect to Configure Connect to Connect to presence personalization mail server events server search server Instant messaging & presence Mail Personal calendar & Search multiple Spaces events Configure inbound Extend domain for Propagate domain to Set up Content Connect WebCenter Configure OHS for efinery and dynamic Oracle WebCenter WCPHOST1 and Portal Content Server converteron Content Server WCPHOST2 WebCenter Portal to Content Server Content Server Enables: *Docu ocument management, wikis, blogs, content presenter Oracle WebCenter Done Oracle Identity Portal 11.1.1.6.0 Management

Figure 3 Installing Oracle WebCenter Portal for the First Time - Enterprise Topology

Click the flow chart or use Table 3 to navigate to the appropriate Guide.

Table 3 Installing Oracle WebCenter Portal for the First Time - Enterprise Topology

| Task and link to more information | Mandatory or Optional? Notes |
|-----------------------------------|------------------------------|
| Verify hardware requirements | Mandatory |
| Verify software requirements | Mandatory |
| Install and configure a database | Mandatory |

Table 3 (Cont.) Installing Oracle WebCenter Portal for the First Time - Enterprise

| | Mandatory | |
|---|--------------|--|
| Task and link to more information | or Optional? | Notes |
| Configure network components | Mandatory | |
| Set up shared storage | Optional | |
| Configure credential and policy store | Mandatory | |
| Install Oracle HTTP Server (OHS) | Mandatory | |
| Install WebLogic Server and create a Middleware home | Mandatory | |
| Install Oracle WebCenter Portal | Mandatory | |
| Enable VIP1 | Mandatory | |
| Create domain | Mandatory | |
| Configure Oracle HTTP Server | Mandatory | |
| Extend domain for SOA components | Optional | |
| Extend domain for WebCenter Portal components | Mandatory | Option to configure the domain for the Spaces application or create a custom managed server for WebCenter Portal applications |
| Set up Node Manager | Mandatory | |
| Configure Java Object Cache | Mandatory | |
| Install and configure back-end components for required WebCenter Portal services: | Optional | Mandatory for the WebCenter Portal services you want to use |
| Connect to analytics collector | | See also, Post-install Configuration for WebCenter Portal Components and Services |
| ■ Connect to BPEL server | | and services |
| Connect to discussion server | | |
| Configure Spaces workflows | | |
| Register portlet producers | | |
| Register pagelet producer | | |
| Connect to presence server | | |
| ■ Configure SES Search | | |
| Configure personalizationConnect to mail server | | |
| Connect to events server | | |
| Extend domain for Oracle WebCenter Content Server | Optional | Mandatory for the Spaces |
| | | application |
| Propagate domain to WebCenter Portal host | | |
| Set up Content Server for WebCenter Portal | | |
| Configure OHS for Content Server | | |
| Connect WebCenter Portal to Content Server | | |
| Integrate with Oracle Identity Management | Mandatory | |

Figure 4 Post-install Configuration for WebCenter Portal Components and Services

| Get the Spaces application working | Start WC_Spaces | Verify installation | Configure application settings | Connect to backend servers | Configure workflows | Restart the Spaces managed server |
|---|---|--|--|--------------------------------------|------------------------------------|---|
| Get Documents service working | Install content repository | Complete prerequsiste configuration | Connect to content repository | Restart the S managed s | | |
| Get Activity Stream working | up steps requi | e Content Serv red by the Docu service | | | | |
| Get Discussion / Announcement service working | Start WC_Collabor ation | Verify installation | Configure WS-Security | Configure cluster support | Connect to discussion server | Restart the Spaces managed server |
| Get portlet producers working | Start WC_Portlet | Verify installation | Configure WS-Security | Register portlet producers | | HA - Indicates specific configuration |
| Get pagelet producers working | Start WC_Portlet | Verify installation | Register pagelet producer | | | for a cluster |
| Get Analytics service working | Start WC_Utilities | Configure analytics collector | Connect to analytics collector | Restart the Sp managed se | | |
| Get Activity Graph service working | Enable one activity graph engine only HA | Start WC_Utilities | Verify installation | Connect to analytics collector | Restart the managed | |
| Get Personalizations working | Start WC_Utilities | Verify installation | Configure personalizati | Restart the | | |
| Get IMP service working | Install presence server | Complete prerequisste configuration | Connect to presence server | Restart the Sp managed se | | |
| Get Event service working | Install events server | Complete prerequsiste configuration | Connect to events server | Restart the Sp managed se | | |
| Get Mail service working | Install mail server | Complete prerequisste configuration | Configure mail server connection | Restart the Sp managed se | | |
| Get Search service working | Install Oracle SES | Complete prerequsiste configuration | Set search options | Connect to Oracle SES | Restart the S managed s | |
| Get Worklist service working | Install SOA Suite | Complete prerequsiste configuration | Connect to BPEL server | Restart the Sp managed se | | |
| Get RSS and Activity Stream working | Set up proxy server | | | | | |
| Get REST working | Configure credential store | Configure identity asserter | Set up proxy server | | | |
| Get Subscription Notifications wor | | elfor setsha | ared Ir using | g BPEL, ure UMS | | |

Click the flow chart or use Table 4 to navigate to the appropriate Guide.

Table 4 Getting WebCenter Portal Components and Services Working

| WebCenter Portal Component/Service | Feature | Documentation |
|--|---|--|
| Spaces application | | Get Spaces up and running |
| Documents service | Document management, wikis, blogs, content presenter | Connect to content repository |
| Activity Stream service | Activity streaming | Requires Oracle WebCenter Content Server to be set up for the Document service |
| Discussions and Announcement | Discussion forums and | Connect to discussion server |
| services | announcements | In a clustered environment, additional configuration is required. More |
| Portlet producers | WSRP, PDK-Java portlets | Register portlet producers |
| Pagelet producers | Pagelets | Register pagelet producer |
| Analytics service | Analytics reports | Connect to analytics collector |
| Activity Graph service | Recommendation and | Connect to analytics collector |
| | similar item task flows | In a clustered environment, the activity graph engine must be be targeted to a single managed server (not the cluster). More |
| Personalization service | Personalization scenarios | Configure personalization |
| Instant Messaging and Presence service | Presence status, other presence options (such as send mail, send instant message, start phone conference) | Connect to presence server |
| Event service | Personal calendar and Space event management | Connect to events server |
| Mail service | Mail task flow | Connect to mail server |
| Search service | Search task flows | Configure SES Search |
| Worklist service | Worklist task flows | Connect to BPEL server |
| RSS News Feeds | External RSS news feeds | Configure proxy for RSS |
| REST services | RESTful interface to WebCenter Portal services | Configure REST |
| Subscriptions and Notifications | Notifications about subscribed services and objects | Configure notifications |

Existing Oracle WebCenter Portal 11g Installation - Roadmaps

The roadmaps in this section provide an overview of the steps required to apply the latest Oracle WebCenter Portal patch (11.1.1.6.0) and guides you to the documentation. Oracle provides documentation for the following installation scenarios:

- Patching an Oracle WebCenter Portal 11.1.1.4.0 or 11.1.1.5.0 Installation
- Patching an Oracle WebCenter Portal 11.1.1.2.0 or 11.1.1.3.0 Installation
- Patching an Oracle WebCenter Portal 11.1.1.1.0 Installation

Before you start, you may also like to read:

• Oracle Fusion Middleware Installation Planning Guide

Patching an Oracle WebCenter Portal 11.1.1.4.0 or 11.1.1.5.0 Installation

Figure 5 illustrates the steps required to update an Oracle WebCenter Portal 11g (11.1.1.4.0 or 11.1.1.5.0) installation to 11.1.1.6.0. Click the flow chart or use Table 5 to navigate to information for each step.

Figure 5 Applying the Latest Patch to Oracle WebCenter Portal 11.1.1.4.0 or 11.1.1.5.0

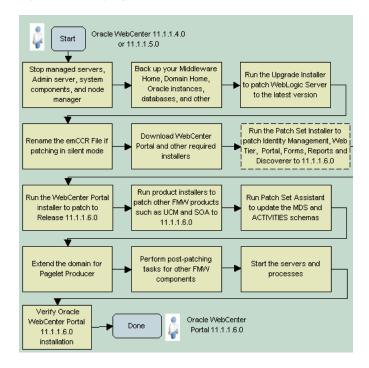


Table 5 Applying the Latest Patch to Oracle WebCenter Portal 11.1.1.4.0 or 11.1.1.5.0

| Task and link to more information | Mandatory or Optional? Notes |
|--|------------------------------|
| Stop managed servers, Admin server, system components, & node manager | Mandatory |
| Back up your current WebCenter Portal environment | Mandatory |
| Patch WebLogic Server to the latest version | Mandatory |
| Rename the emCCR File for Silent Patching | Mandatory |
| Download the installer for WebCenter Portal and other required products | Mandatory |

Table 5 (Cont.) Applying the Latest Patch to Oracle WebCenter Portal 11.1.1.4.0 or

| Task and link to more information | Mandatory or Optional? | Notes |
|---|------------------------|--|
| Run Patch Set Installer to patch the following Fusion Middleware products to | Optional | Mandatory for the products you have installed |
| 11.1.1.6.0: Oracle Identity Management | | Oracle HTTP server is recommended for OCS |
| Oracle Web Tier (Oracle HTTP server) | | integration |
| Oracle Portal, Forms, Reports and Discoverer | | |
| Run the WebCenter Portal installer to patch Oracle WebCenter Portal to 11.1.1.6.0 | Mandatory | |
| Run product installers to patch other Fusion Middleware products to 11.1.1.6.0, such as: | Mandatory | SOA is mandatory for the Worklist service and Spaces Workflows. |
| Oracle WebCenter Content (previously Enterprise Content Management ECM) | | Oracle WebCenter Content is mandatory for Content Presenter, |
| Oracle SOA Suite | | and is recommended for the Documents service. |
| | | OHS is recommended for Oracle WebCenter Content Server integration and for SSO (since SSO is needed to stop multiple login prompts), and is required for REST and SOA. |
| Update the MDS and ACTIVITIES schemas | Mandatory | |
| Extend the domain for Pagelet Producer | Optional | |
| Perform post-patching tasks for other FMW components | Mandatory | |
| Start the servers and processes | Mandatory | |
| Verify Oracle WebCenter Portal 11.1.1.6.0 | Mandatory | |

Patching an Oracle WebCenter Portal 11.1.1.2.0 or 11.1.1.3.0 Installation

Figure 6 illustrates the steps required to update an Oracle WebCenter Portal 11g (11.1.1.2.0 or 11.1.1.3.0) installation to 11.1.1.6.0. Click the flow chart or use Table 6 to navigate to information for each step.

Oracle WebCenter 11.1.1.2.0 or 11.1.1.3.0 Start Back up your Middleware Home, Domain Home, Oracle instances, databases, and other configuration information Stop managed servers, Admin server, system components, and node manager Save OmniPortlet and WebClipping customizations Run purgeMetadata() for WebCenter Spaces Upgrade Oracle UCM Upgrade WebLogic Rename emCCR if ver to the latest version atching in silent mode Download WebCenter Portal and other required installers Run Patch Set Installer to patch Identity Management, Web Tier, Portal, Forms, Reports and Discoverer to 11.1.1.6.0 Run other product installers to patch other FMV products such as UCM, SOA to 11.1.1.6.0 (as required) Run the WebCenter Portal installer to patch Oracle WebCenter to 11.1.1.6.0 dleware products Update schemas Run the upgrade.py script Ensure Node Manager is properly configured in Create the Upgrade the Spaces Use automated application script? Stop Admin server. Start Admin server and Pack and Start managed servers Run Run upgrade Set up trus all managed servers and start WLST unpack your domain and run upgrade WebCenterApplication run upgrade /ebCenterPermission VebCenterDomaii No Perform post-patch tasks for Fusion Middleware products (includes updating OVVSM policies) Perform post-patch tasks for Oracle WebCenter Portal Migrate content Restore Remove Redeploy applications Remove LD_LIBRARY_PATH Migrate Oracle Update multi-Install Oracle Update Migrate presenter OmniPortlet and OpenUsage to upgraded custom REST API WSM Policy VVSRP portlet preferences custom WebClipping properties in setDomainEnv portal managed from setDomainEnv script blogs configuration layouts Manager Set Web Context Root on the Reconfigure the Update timezone attribute for the Perform post-patch tasks for the Spaces application Configure Update group Choose the Upgrade Process default page template for group spaces figrate Space: group space workflows space display mode default start Content Server Spaces application Spaces page connection Perform post-patch tasks for WebCenter Portal security Configure WS-Security for the Update list of authentication providers discussions Extend the domain to add Activity Add new Oracle WebCenter Portal features Add WebCenter Portal: Fraph, Analytics, Pagelet Producer Framework features to Personalization, WebCenter custom applications Services portlets

Figure 6 Applying the Latest Patch to Oracle WebCenter Portal 11g (11.1.1.2.0 or 11.1.1.3.0)

Click the flow chart or use Table 6 to navigate to the appropriate Guide.

Start the servers and processes

Table 6 Applying the Latest Patch to Oracle WebCenter Portal 11g (11.1.1.2.0 or 11.1.1.3.0)

| Task and link to mor | re information | Mandatory or Optional? | Notes |
|--|---|------------------------|--|
| Stop managed servers system components, a | | Mandatory | |
| Back up your current environment | WebCenter Portal | Mandatory | |
| Perform pre-patch tas Portal: | sks for WebCenter | Mandatory | |
| Save OmniPortle customizations | t and WebClipping | | |
| Run purgeMetad | lata() for Spaces | | |
| Upgrade Oracle | UCM10g | | |
| Patch WebLogic Serve | er to the latest version | Mandatory | |
| Rename the emCCR I silent mode | File if patching in the | Mandatory | |
| Download the installed Portal and other requ | | Mandatory | |
| Run Patch Set Installe following Fusion Mid 11.1.1.6.0: | | Optional | Mandatory for the products you have installed |
| | Aanagomont | | Oracle HTTP server is recommended for OCS |
| | Oracle Identity Management Oracle Web Tier (Oracle HTTP Server) | | integration |
| | rms, Reports and | | |
| Run WebCenter Porta Oracle WebCenter Po | | Mandatory | |
| Middleware products | s to patch other Fusion s to 11.1.1.6.0, | Optional | WebCenter Content and SOA are mandatory for Spaces |
| Including:Oracle WebCenter Content (previously Enterprise Content Management ECM) | | | OHS is recommended for Oracle WebCenter Content Server integration |
| Oracle SOA Suite | 2 | | |
| Update schemas | | Mandatory | |
| Update the Spaces ap the following: | plication using one of | Mandatory | |
| Node Manager a | nd Automated Script | | |
| WLST command | s | | |
| Perform post-patch ta Fusion Middleware p updating the OWSM | roducts. This includes | Mandatory | |
| Perform post-patch to WebCenter Portal | sks for Oracle | Mandatory | |
| Perform post-patch ta | asks for Spaces | Mandatory | Mandatory for Spaces |
| Perform post-patch ta Portal security | sks for WebCenter | Optional | |

Table 6 (Cont.) Applying the Latest Patch to Oracle WebCenter Portal 11g (11.1.1.2.0 or 11.1.1.3.0)

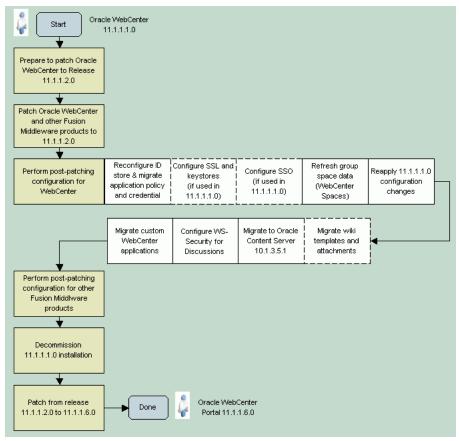
| Task and link to more information | Mandatory or Optional? Notes |
|---|------------------------------|
| Add new Oracle WebCenter Portal features | Optional |
| Start the servers and processes | Mandatory |
| Verify Oracle WebCenter Portal 11.1.1.6.0 | Mandatory |

Patching an Oracle WebCenter Portal 11.1.1.1.0 Installation

If you are currently running Oracle WebCenter Portal 11g (11.1.1.1.0), you must update your Oracle Fusion Middleware environment to 11g (11.1.1.2.0) before applying the Oracle WebCenter Portal 11g (11.1.1.6.0) patch. Figure 7 illustrates the steps required.

Click the flow chart for more information on how to complete each step.

Figure 7 Applying the Latest Patch to Oracle WebCenter Portal 11.1.1.1.0



Click the flow chart or use Table 7 to navigate to the appropriate Guide.

Table 7 Applying the Latest Patch to Oracle WebCenter Portal 11.1.1.1.0

| Optional? | Notes |
|-----------|---|
| Mandatory | |
| Mandatory | |
| Mandatory | |
| Mandatory | |
| Optional | Only if used in 11.1.1.1.0 |
| Optional | Only if used in 11.1.1.1.0 |
| Mandatory | Spaces only |
| Mandatory | |
| Mandatory | |
| Mandatory | Spaces only |
| Mandatory | |
| Optional | |
| Mandatory | |
| Mandatory | |
| Mandatory | |
| | Mandatory Mandatory Mandatory Mandatory Optional Optional Mandatory Mandatory |

Existing Oracle WebCenter Portal 10g Installation - Roadmap

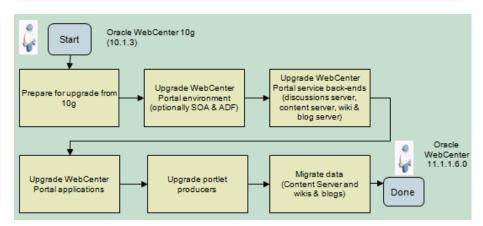
If you are currently running Oracle WebCenter 10g (10.1.3) you must upgrade your Oracle Application Server 10g environment to Oracle Fusion Middleware 11g, and then upgrade your WebCenter Portal applications from 10g (10.1.3) to 11g (11.1.1.6.0). Figure 8 illustrates the steps required.

Click the flow chart for more information on how to complete each step.

Before you start, you may also like to read:

- Oracle Fusion Middleware Upgrade Planning Guide
- Oracle Fusion Middleware Installation Planning Guide
- Oracle Fusion Middleware Repository Creation Utility User's Guide
- Oracle Fusion Middleware Concepts

Figure 8 Upgrading from Oracle WebCenter 10g 10.1.3



Click the flow chart or use Table 8 to navigate to the appropriate Guide.

Table 8 Upgrading from Oracle WebCenter 10g 10.1.3

| Mandatory or Optional? | Notes |
|---------------------------|--|
| Mandatory | |
| Mandatory | Optionally upgrade SOA & ADF |
| Mandatory | Only mandatory for services that you use |
| | |
| | |
| | |
| | Mandatory Mandatory |

Documentation Accessibility

For information about Oracles commitment to accessibility, visit the Oracle Accessibility Program website at

http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc

Access to Oracle Support

Oracle customers have access to electronic support through My Oracle Support. For information, visit http://www.oracle.com/support/contact.html or visit http://www.oracle.com/accessibility/support.html if you are hearing impaired.

Oracle Fusion Middleware Administrator's Guide for Oracle WebCenter Portal, 11g Release 1 (11.1.1.6.0) for Windows E22628-02

Copyright © 2009, 2011, Oracle and/or its affiliates. All rights reserved.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, the following notice is applicable:

U.S. GOVERNMENT RIGHTS Programs, software, databases, and related documentation and technical data delivered to U.S. Government customers are "commercial computer software" or "commercial technical data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, duplication, disclosure, modification, and adaptation shall be subject to the restrictions and license terms set forth in the applicable Government contract, and, to the extent applicable by the terms of the Government contract, the additional rights set forth in FAR 52.227-19, Commercial Computer Software License (December 2007). Oracle America, Inc., 500 Oracle Parkway, Redwood City, CA 94065.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Opteron, the AMD logo, and the AMD Opteron logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark licensed through X/Open Company, Ltd.

This software or hardware and documentation may provide access to or information on content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

