

Oracle® Clinical Development Analytics

Installation Guide

Release 2.0.0.3 for Standard Configuration

E22700-01

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Oracle Clinical Development Analytics (Standard Configuration) is an analytical and a transactional reporting application. OCDA extracts clinical data on the execution of clinical trials from either Oracle Clinical or Siebel Clinical or both, providing a data warehouse containing key metrics across the clinical development business process. From this warehouse, OCDA provides key pre-defined reports, and enables the creation of additional custom reports.

In addition to either Oracle Clinical or Siebel Clinical or both, OCDA requires the presence of Informatica PowerCenter, Oracle Business Intelligence Data Warehouse Administration Console, and Oracle Business Intelligence Enterprise Edition (OBIEE), and Oracle Database.

1 Intended Audience

This installation guide is intended for users who are responsible for installing Oracle Clinical Development Analytics Standard Configuration. You should be familiar with:

- Oracle Database
- Oracle Business Intelligence Enterprise Edition (OBIEE) application
- Oracle Business Intelligence Data Warehouse Administration Console (DAC) application
- Informatica PowerCenter application

2 Before You Begin

This section presents an overview of the OCDA requirements. It also describes the tasks that you must complete before you can install the OCDA application. Specifically, this section includes the following topics:

- [Technology Stack and System Requirements](#) on page 1
- [Installing the Prerequisite Software](#) on page 4

2.1 Technology Stack and System Requirements

The requisite technology stack for Oracle Clinical Development Analytics Standard Configuration is provided in the media pack, with the exception of Informatica. It consists of the following products:

- Oracle Database 11.2.0.2
- Oracle Containers for J2EE (OC4J) or Oracle WebLogic Server 10.3.3

Note: OCDA offers a choice of support for Application Server. You can select to have Oracle Containers for J2EE (OC4J) or Oracle WebLogic Server 10.3.3 as your Application Server. OC4J is shipped as part of OBIEE while Oracle WeLogic Server is available as a separate product.

- Oracle Business Intelligence Enterprise Edition (OBIEE) 10.1.3.4.1
- Oracle Business Intelligence Data Warehouse Administration Console 10.1.3.4.1 and patch 10052370.
- Informatica PowerCenter 8.6.1 HotFix 11 or 9.0.1 HotFix 2

Note: Informatica is not part of the media pack. You need to acquire it's license separately.

All references to *media pack server* in this document refer to the computer onto which you download the media pack for Oracle Clinical Development Analytics (Standard Configuration).

Table 1 System Requirements References

Product	Reference
Oracle Database 11.2.0.2	<i>Database Installation Guide for <platform></i>
Oracle Containers for J2EE (OC4J) or Oracle WebLogic 10.3.3	<i>Oracle Application Server Documentation or Oracle WebLogic Server Documentation Library</i>
Oracle Business Intelligence Enterprise Edition (OBIEE) 10.1.3.4.1	<i>System Requirements and Supported Platforms for Oracle Business Intelligence Suite Enterprise Edition</i> <i>Oracle Business Intelligence Infrastructure Installation and Configuration Guide</i>
Oracle Business Intelligence Data Warehouse Administration Console 10.1.3.4.1 and patch 10052370	<i>Oracle Business Intelligence Data Warehouse Administration Console Installation, Configuration, and Upgrade Guide</i> <i>Data Warehouse Administration Console User's Guide</i>
Informatica PowerCenter 8.6.1 HotFix11 or 9.0.1 HotFix 2	<i>Informatica PowerCenter Installation Guide</i>
Other Technology Stack Components	My Oracle Support / Certifications

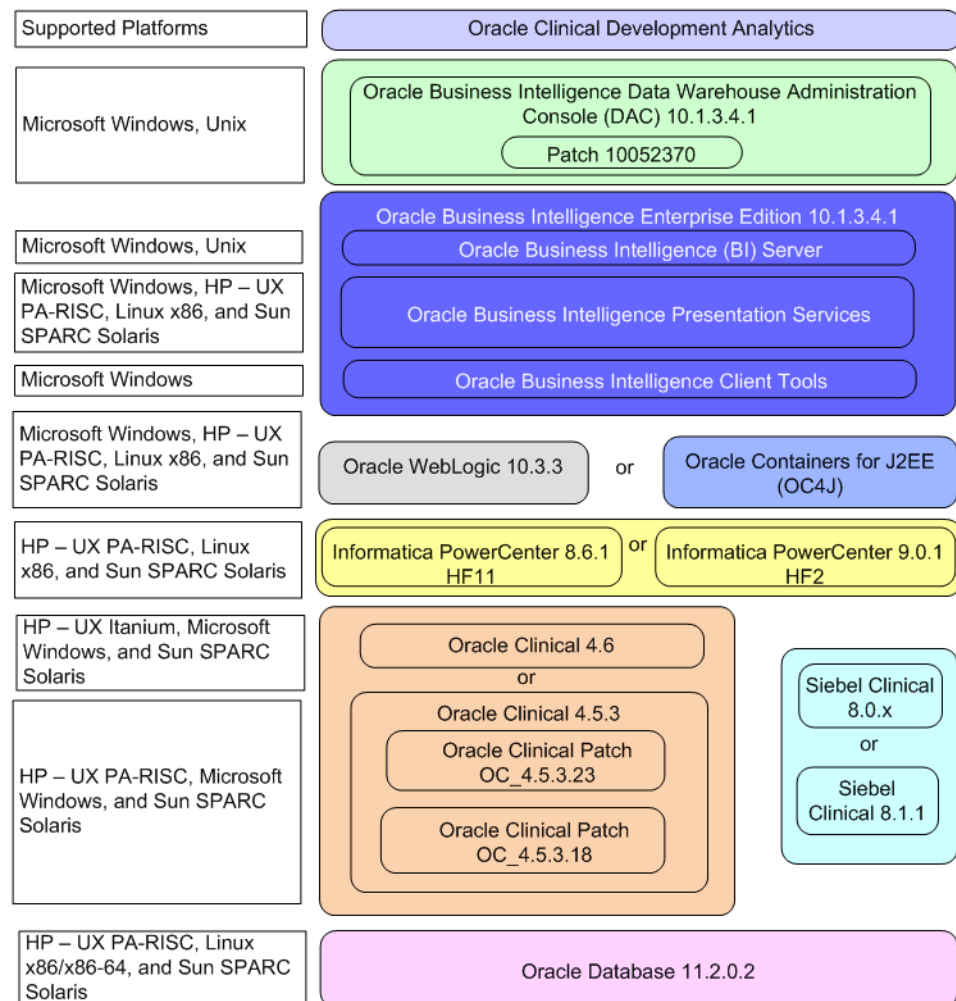
Note: It is important to get the technology stack products from the OCDA media pack because newer versions of the technology stack products may have become available but may not be compatible with OCDA.

Installation Considerations

- Determine the computer on which you will install each component of OCDA (Standard Configuration).
- You may select to install each product on a different server, if required. The OCDA (Standard Configuration) media pack server does not have to act as server for any of the products, though it may. You may consult [Figure 1](#), and the documentation listed in [Table 1](#) for information on installing each product.

- Determine the databases you need to create.
- You must create a database schema to serve as the warehouse for OCDA.
- If you have already installed OCDA for Plus Configuration, you may not create the OCDA schema for Standard Configuration in the same database that has Oracle LSH; doing so would create a name collision.
- It is a good practice to create the schema for the OCDA Standard Configuration warehouse in a new database.
- You may select to create schemas for repositories for the other OCDA components in the same database that will be used for the OCDA warehouse. It minimizes the number of databases that you need to maintain for OCDA. However, if you will be using the the component applications for purposes other than OCDA, Oracle recommends that you create their repositories in instances other than the one holding the OCDA warehouse.

Figure 1 Oracle Clinical Development Analytics Technology



For more information about certifications, refer to [Finding Certification Information](#) on page 17.

2.1.1 Supported Browsers

OCDA supports those Internet browsers supported by OBIEE. For a list of the browsers supported by OBIEE, refer to *System Requirements and Supported Platforms for Oracle Business Intelligence Suite Enterprise Edition*.

2.2 Installing the Prerequisite Software

Before you can install the OCDA application, you must complete the following pre-installation tasks:

- ❑ Install Oracle Database 11.2.0.2

Follow the instructions in *Database Installation Guide for <platform>*.

- ❑ If you have selected to use Oracle WebLogic as the Application Server for OBIEE, install Oracle WebLogic 10.3.3.

Follow the instructions in *Oracle WebLogic Server Documentation Library*.

- ❑ Install Oracle Business Intelligence Enterprise Edition (OBIEE) 10.1.3.4.1 with the following components:

- Oracle Business Intelligence Server (Supported only on Windows and Unix)
- Oracle Business Intelligence Presentation Services (Supported on Windows and Unix)
- Oracle Business Intelligence Client Tools (Supported only on Windows)

Follow the instructions in *Oracle Business Intelligence Infrastructure Installation and Configuration Guide*.

- ❑ Install Oracle Business Intelligence Data Warehouse Administration Console (DAC) 10.1.3.4.1

- Install Oracle Business Intelligence Data Warehouse Administration Console (DAC)

Follow the instructions in *Oracle Business Intelligence Data Warehouse Administration Console Installation, Configuration, and Upgrade Guide*.

- Install patch number 10052370

The patch is available in OCDA_HOME/software. Follow the instructions in the patch readme to install it.

- ❑ Install Informatica PowerCenter 8.6.1 HotFix 11 or 9.0.1 HotFix 2

Follow the instructions in *Informatica PowerCenter Installation Guide*.

Note:

Oracle recommends that you enable HTTPS on middle-tier computers that are hosting the Web services, since otherwise the trusted user name and password that are passed can be intercepted.

3 Oracle Clinical Development Analytics Standard Configuration Installation

This section describes the OCDA Installation tasks that you must complete. This section includes the following topics:

- [Installing Oracle Clinical Development Analytics Standard Configuration](#) on page 5
- [Handling Deletions in Siebel Clinical](#) on page 14

Note:

- The instructions in this section assume that the BI Server and Presentation software are installed in <DRIVE>:\oracleBI and <DRIVE>:\oracleBIdata, respectively, if on Windows; and in /oracleBI and /oracleBIdata, respectively, if on UNIX.
 - All references to \${INFA_INSTALL_DIR}, \${DAC_INSTALL_DIR}, and \${MEDIA_PACK} in this document refer to Informatica installation folder, DAC installation folder, and Media Pack folder respectively.
 - If you install any part of the technology stack on other computers, you need to copy the relevant software files to those computers, if the client is not available on the computer onto which you have unloaded the Media Pack
-

3.1 Installing Oracle Clinical Development Analytics Standard Configuration

OCDA application installation consists of seven components:

- [Preparing the OCDA Warehouse](#)
- [Preparing an Informatica Repository for OCDA](#)
- [Preparing a DAC Repository for OCDA](#)
- [Emplacing the OCDA Help and Image Files](#)
- [Preparing the OBIEE Web Catalog and Repository for OCDA](#)
- [Starting Up OBIEE for OCDA](#)

Perform the following steps to install the OCDA application on Windows and Unix:

3.1.1 Preparing the OCDA Warehouse

You will be using ocda_standard_ddl_scripts.zip, and ocda_standard_cda_packages files in this section.

1. Create a database as a container for the OCDA warehouse.
2. Unzip OCDA_HOME/software/ocda_standard_ddl_scripts.zip to create the ocda_standard_ddl_scripts folder.
3. Connect to the database as the SYSTEM user.
4. Run ocda_standard_install.sql from OCDA_HOME/software/ocda_standard_ddl_scripts folder. This script does the following:
 - a. Create a user called RXI
 - b. Create a read only user called RXI_RPD
 - c. Creates all the warehouse tables under RXI
 - d. Creates synonyms in RXI_RPD for the objects under RXI

5. The script prompts for the following:

- a. Password to be set for the user/schema
- b. Default tablespace
- c. Default temporary tablespace

Default_Table_Space name. Enter any valid tablespace name for the user as the default tablespace.

The script also prompts for the RXI and RXI_RPD user passwords. Enter a valid password and continue.

6. Inspect the following log files, for errors, located in the working folder:

- ocda_rxi_schema_creation.log
- ocda_rxi_rpd_schema_creation.log
- ocda_standard_ddl.log
- ocda_table_grants.log
- ocda_synonyms_creation.log

7. Connect to the database as the new user RXI with the following credentials:

Username: RXI

Password: Enter the same password entered in the step 5.

8. Unzip OCDA_HOME/software/ocda_standard_cda_packages.zip to create the cda_standard_cda_packages folder. From that folder, run the following scripts:

- OCDA_DUALG_POP.SQL
- OCDA_S_DUAL_D_POP.SQL
- OCDA_ETL_RUN_S_POP.SQL
- OCDA_SC_PARTY_HIERARCHY_PRG.SQL
- OCDA_W_RXI_LOV_S_seed.sql

These scripts create OCDA specific packages and the requisite seed data for OCDA application in the database.

3.1.2 Preparing an Informatica Repository for OCDA

You will be using ocda_standard_informatica_mappings.zip file in this section.

1. Unzip ocda_standard_informatica_mappings.zip to create a ocda_standard_informatica_mappings folder.
2. Create a new Informatica repository, or login to an existing Informatica repository, through Repository Manager as Administrator and create the following folders:
 - SDE_OC_46_CDA_Adapter - contains SDEs that fetch data from Oracle Clinical.
 - SDE_SBL_81_CDA_Adapter - contains SDEs that fetch data from Siebel Clinical.
 - SILOS_CDA - contains SILs that load the data from staging tables to the warehouse.

3. Import the following files, from the ocda_standard_informatica_mapping folder, containing Informatica objects into their respective folders:

Table 2 Files Containing Informatica Objects

XML File	Folder
SDE_OC_46_CDA_Adapter.XML	SDE_OC_46_CDA_Adapter
SDE_SBL_81_CDA_Adapter.XML	SDE_SBL_81_CDA_Adapter
SILOS_CDA.XML	SILOS_CDA

4. Perform the following to create the Relational Connections for Source and Target Databases in Informatica Workflow Manager:

- a. In Informatica PowerCenter Workflow Manager, select **Connections**, then select **Relational** to display the Relational Connection Browser.
- b. Click **New** to display the Select Subtype dialog.
- c. Select **Oracle** as database type, then click **OK**. The Connection Object Definition dialog box is displayed with options for the selected database platform.
- d. Enter values in the following fields according to Source and Target database connection:

User Name — Enter the user name.

Password — Enter the database password.

Connection String — Enter the Connect string for connecting to the database.

Note: These values will also be required in setting up DAC. Make note of them to ensure that you enter the same during DAC setup.

Important: You need to repeat step a through d for each required source and target connection.

5. Connect to Informatica PowerCenter Administration Console.
6. Connect to the Informatica integration service.
7. Navigate to the **Custom Properties** window.
8. Enter AggSupprtWithNoPartLic in the **Name** field.
9. Enter Yes in the **Value** field.

3.1.3 Preparing a DAC Repository for OCDA

You will be using ocda_standard_dac_metadata.zip file in this section.

1. Create a new DAC repository, or connect to an existing DAC repository, as Administrator.
2. Unzip OCDA_HOME/software/ocda_standard_dac_metadata.zip onto the computer where you will run DAC client.
3. Import the OCDA Warehouse Application metadata.

- a. Start the Data Warehouse Administration Console (DAC) client.
 - b. From the **Tools** menu select **DAC Repository Management**, and then select **Import**.
 - c. Click **Change import/export folder** to navigate to the folder where you unzipped ocda_standard_dac_metadata.zip in step 2 of [Section 3.1.3, Preparing a DAC Repository for OCDA](#).
 - d. Click **OK** to display the Import dialog box.
 - e. Select the following categories of metadata you want to import: **Logical**, **Overwrite log file**, and **User Data**.
 - f. Select **CDA_Warehouse** application in the ApplicationList.
 - g. Click **OK**.
 - h. Enter the verification code and **Yes** in the secondary window that is displayed after the import.
 - i. You can inspect the import log in `${DAC_INSTALL_DIR}\log\import.log` to verify if import is successful.
4. Configure Informatica Repository Service in DAC.
- a. Navigate to the **Setup** view, then select the **Informatica Servers** tab.
 - b. Click **New** to display the Edit tab below or select an existing Informatica server from the list.
- If you are configuring a new installation, the Informatica Servers tab will be empty. If you are upgrading an existing installation, the Informatica Servers tab might contain existing Informatica servers.
- c. Enter values in the following fields:

Name — Enter the Logical name for the Informatica server (for example, INFO_REP_SERVER).

Type — Select `Repository`.

Server Hostname — Enter the host machine name where Informatica Server is installed.

Server Port — Enter the port number Informatica Server or Informatica Repository Server use to listen to requests.

Login — Enter the Informatica user login.

Password — Enter the Informatica Repository password.

Repository Name — Enter the Informatica Repository Name.
 - d. Test the connection to verify the settings.
 - e. Click **Save** to save the details.
5. Configure Informatica Integration Service in DAC.

Note: Make sure that you use the same Login and Password that you have used in setting up Informatica.

- a. Click **New** to display the Edit tab below or select an existing Informatica server from the list.
 If you are configuring a new installation, the Informatica Servers tab will be empty. If you are upgrading an existing installation, the Informatica Servers tab might contain existing Informatica servers.
 - b. Enter values in the following fields:
Name — Enter the Logical name for the Informatica server (for example, INFO_SERVER).
Type — Select **Informatica**.
Domain — Enter the Informatica domain name.
Login — Enter the Informatica Repository user login.
Password — Enter the Informatica Repository password.
Repository Name — Enter the Informatica Repository Name.
 - c. Test the connection to verify the settings.
 - d. Click **Save** to save the details.
6. In this step, you configure source databases (Oracle Clinical, Siebel Clinical) and the target database (the OCDA warehouse). For each database with which DAC will interact for OCDA, perform the following steps:
 - a. Navigate to the **Setup** view, then select the **Physical Data Sources** tab.
 - b. Click **New** to display the Edit tab below or select an existing database connection from the list.
 - c. Enter values in the following fields:
Name — Enter the Logical name for the database connection.
Type — Select **Source** when you create the database connection for a transactional (OLTP) database. Select **Warehouse** when you create the database connection for a data warehouse (OLAP) database.
Connection Type — Select a connection type for the database connection.
Instance or TNS Name — Enter the Data Mart database instance name.
Table Owner — Enter the Data Mart schema name.
Table Owner Password — Enter the Data Mart schema password.
DB Host — Enter the Data Mart host name.
Port — Enter the Data Mart host port.
Dependency Priority — Enter the user-defined priority of the data source.
Data Source Number — Enter the user-defined number of the data source.
Num Parallel Indexes Per Table — Enter a number to specify how many indexes are to be created in parallel.
 - d. Test the connection to verify the settings.
 - e. Click **Save** to save the details.
 7. Perform the following steps to modify *\$DBConnection_OC_OLTP* and *\$DBConnection_SC_OLTP* and *\$DBConnection_OLAP*

- a. Navigate to the **Execute** view, then select the **Execution Plans** tab.
 - b. If Oracle Clinical and Siebel Clinical are your source systems , select **CDA - Complete Warehouse** from the list.
 If Oracle Clinical is your only source system, select **CDA - Oracle Clinical Warehouse** from the list.
 If Siebel Clinical is your only source system, select **CDA - Siebel Clinical Warehouse** from the list.
 - c. Click **Parameters** subtab in the bottom pane.
 - d. Select a new data source name from the **Value** list for *\$DBConnection_OC_OLTP* or *\$DBConnection_SC_OLTP* and *\$DBConnection_OLAP*.
 - e. Click **Save**.
8. Perform the following steps in DAC to run the CDA - Complete Warehouse Execution Plan.
- a. Navigate to the **Execute** view, then select the **Execution Plans** tab.
 - b. Select **OCDA - Complete Warehouse** from the list.
 - c. Display the **Parameters** tab.
 - d. Enter 1 as value for number of copies of parameters, and click **Generate**.
 - e. On the **Execution Plans** tab, click **Build**.
 - f. On the **Execution Plans** tab, click **Run Now** to execute the ETLs.

Note: If Oracle Clinical and Siebel Clinical are your source systems , use CDA - Complete Warehouse.

If Oracle Clinical is your only source system, use CDA - Oracle Clinical Warehouse.

If Siebel Clinical is your only source system, use CDA - Siebel Clinical Warehouse.

DAC Configurable Parameters

Following is the list of DAC configurable parameters:

Table 3 DAC Configurable Parameters

Parameter	Description
START_TS	This is last refresh time of the source tables minus prune days.
END_TS	Current Execution Plan's actual start time adjusted adjusted to source database timezone minus prune days.
DATASOURCE_NUM_ID	The ID associated with every source system. The default ID is 1 for Oracle Clinical and 2 for Siebel Clinical.
TENANT_ID	The ID associated for every tenant. The default value is 0.

Table 3 (Cont.) DAC Configurable Parameters

Parameter	Description
DELETE_FLOW	The default value is N and set it to Y if Deletes have to be captured in the data warehouse.
MATCH_MERGE_FLOW	The default value is N and set it to Y if match and merge functionality is required.
Prune Days	This is used for setting START_TS and END_TS for incremental load.

3.1.4 Emplacing the OCDA Help and Image Files

You will be using ocda_help_html.zip and ocda_images.zip files in this section.

3.1.4.1 Placement of Files for Oracle Containers for J2EE (OC4J) Application Server You need to manually deploy OCDA's help and images files on OC4J. Perform the following steps:

1. Unzip ocda_help_html.zip and ocda_images.zip in:
 - Windows32 - <DRIVE>:\OracleBI\web\app\res\s_oracle10\
 - UNIX - /OracleBI/web/app/res/s_oracle10/
2. Unzip ocda_help_html.zip and ocda_images.zip in:
 - Windows32 -
<DRIVE>:\OracleBI\{webserver}\home\applications\analytics\analytics\res\s_oracle10\
 - UNIX -
/OracleBI/{webserver}/home/applications/analytics/analytics/res/s_oracle10/

See Also:

- *Oracle Application Server Documentation*

3.1.4.2 Placement of Files for Oracle WebLogic Managed Server You need to manually deploy OCDA's help and images files on Oracle WebLogic Managed Server. Perform the following steps:

1. Stop the Oracle WebLogic Server.
2. Navigate to <OBIEE_HOME>\web and extract analytics.war to the same location.
<OBIEE_HOME> is the OBIEE installation folder.
3. In a temporary staging location, unzip the help and images files.
4. Copy the help and images folders to the following locations:
 - <OBIEE_HOME>\web\app\res\s_oracle10
 - <OBIEE_HOME>\web\analytics\res\s_oracle10
5. Start Administration Server for Oracle WebLogic Server Domain.
6. Start Node Manager.
7. Launch Admin Serve Console.
This opens the Oracle WebLogic Server Administration Console.

8. Log in to Oracle WebLogic Server Administration Console.
 9. In the left pane of the Administration Console, select **Deployments**.
 10. In the right pane, click **Install**.
This opens the Install Application Assistant.
 11. In Path, enter the path as <OBIEE_HOME>\web
where:
<OBIEE_HOME> is the OBIEE installation folder.
 12. Select **analytics** and click **Next**.
 13. In Choose targeting style, select **Install this deployment as an application** and click **Next**.
 14. In Available targets for analytics, select the servers in the cluster on which you want to deploy OCDA.
 15. Click **Next**.
 16. In the General section, enter the name of this deployment as **analytics**.
 17. In the Security section, select **DD Only: Use only roles and policies that are defined in the deployment descriptors**.
 18. In the Source accessibility section, select **I will make the deployment accessible from the following location**, and enter the following path in Location:
<OBIEE_HOME>\web\analytics
 19. Click **Next**.
 20. Select **Yes, take me to the deployment's configuration screen** and click **Finish**.
 21. Start all the servers in the clusters.
 22. Start the following servers:
 - Oracle BI Java Host
 - Oracle BI Presentation Server
 - Oracle BI Server
 23. Select the **analytics** deployment.
 24. Click the **Testing** tab.
The Test Point column lists the links.
 25. Click on all the links in the Test Point column.
- See Also:**
- *Oracle WebLogic Server Documentation Library*

3.1.5 Preparing the OBIEE Web Catalog and Repository for OCDA

You will be using ocda_obiee_webcat.zip and ocda_obiee_repository.rpd files in this section.

1. Unzip ocda_obiee_webcat.zip in the following folder:
 - Windows32 - <DRIVE>\OracleBIData\web\catalog
 - UNIX - /OracleBIData/web/catalog

2. Modify the catalog path line of the following file to point it to the Web Catalog::

- Windows32 - <DRIVE>:\OracleBIData\web\config\instanceconfig.xml
- UNIX - OracleBIData/web/config/instanceconfig.xml

For example,

- Windows32 -
<CatalogPath><DRIVE>:\OracleBIData\web\catalog\OCDA</CatalogPath>
- Unix -
<CatalogPath>/OracleBIData/web/catalog/OCDA</CatalogPath>

3. Navigate to<OracleBIData>\web\config.

4. Add the following setting after </AdvancedReporting> tag in the instanceconfig.xml file:

```
<ReportAggregateEnabled>true</ReportAggregateEnabled>
```

5. Place the ocda_obiee_repository.rpd in the following folder:

- Windows32 - <DRIVE>:\OracleBI\server\Repository
- UNIX - OracleBI/server/Repository

6. Take a backup of the NQSCfg.INI file, found in the following locations:

- Windows32 - <DRIVE>:\OracleBI\server\Config\NQSCfg.INI
- UNIX - /OracleBI/server/Config/NQSCfg.INI

In the Repository section of the NQSCfg.INI file, set the value of Star to ocda_obiee_repository.rpd

```
Star=ocda_obiee_repository.rpd, DEFAULT;
```

7. Create an ODBC entry for the warehouse.

8. In the Open dialog box, select the OracleBI\server\Repository\ocda_obiee_repository.rpd (use forward slashes for Unix). Enter the following credentials:

Username: Administrator

Password: {blank}

Note: You should change the default password using the Oracle Business Intelligence Administration Tool. For more information, refer to *Oracle Business Intelligence Server Administration Guide*.

9. Click **OK** to login.

10. Modify the connection pools in the RPD as following:

- a. In the physical layer, expand the OCDA Data Warehouse node and double-click **Connection Pool** object to open Connection Pool dialog box.
- b. Set **Data source name** field to the ODBC entry for the warehouse.
- c. Change the username to the username of the OCDA read-only schema.
- d. Change the password to the password of the OCDA read-only schema.

11. From the File menu, select **Save** to save the rpd.

3.1.6 Starting Up OBIEE for OCDA

1. Start the Web Server (OC4J or WebLogic).
2. Open the Windows Services dialog box **Control Panel > Administration Tools > Services**.
3. Start the following services:
 - Oracle BI Java Host
 - Oracle BI Server
 - Oracle BI Presentation Server
4. Start a Presentation Server browser session by selecting **All Programs > Oracle Business Intelligence > Presentation Services** from the Windows Start menu.

Note: Make note of the URL. This will be the URL you distribute to users, for them to use OCDA's dashboards.

3.2 Handling Deletions in Siebel Clinical

OCDA provides an optional feature to manage hard deletion of records in Siebel Clinical. You create triggers in the source system to handle deletion of records. To do this:

1. Navigate to the temporary staging location where the OCDA installer copies the installation files.
2. Connect to the Siebel Clinical data source and run the OCDA_HOME/software/ocda_sc_del_triggers.sql script delivered with OCDA. This script creates the RXI_DELETE_LOG_S table and triggers on tables provided as input. The following are the tables in Siebel Clinical for which OCDA supports creating triggers:

- S_CL_PTCL_LS
- S_PROD_INT
- S_CL_SUBJ_LS
- S_CONTACT
- S_CL_PGM_LS
- S_PTCL_SITE_LS
- S_EVT_ACT

Provide a list of comma separated values of table names for which the triggers needs to be created as the script's input. For example, S_CL_PTCL_LS,S_PROD_INT,S_CL_SUBJ_LS. The tables names that you provide can only be a subset of the tables listed above.

For information on how to handle deletion of records in Siebel Clinical, refer to *Oracle Clinical Development Analytics User and Administrator Guide* (Chapter 5, Extract Transform Load Programs).

4 Migrating from OCDA 2.0.0.3 (Plus Configuration) to OCDA 2.0.03 (Standard Configuration)

Since there is no release of OCDA in the Standard Configuration prior to 2.0.0.3, there is no upgrade from a prior Standard Configuration.

If you are migrating from OCDA 2.0.0.3 (Plus Configuration) to OCDA 2.0.03 (Standard Configuration), perform the following steps:

1. Install OCDA 2.0.0.3 (Standard Configuration)
2. If you made any modifications to database tables or ETL System Dependent Extract (SDE) or System Independent load (SIL) in your Plus Configuration, apply the same changes to their counterparts in the Standard Configuration (Informatica PowerCenter and DAC).
3. Perform an initial load of data from the transactional source(s). You can do this in two ways:

Option A

- a. Create a datamart in the Oracle LSH database, export it from Oracle LSH, and then import it into the Standard Configuration warehouse.
- b. Connect to DAC repository, navigate to the **Setup** tab and **Physical Data Sources** subtab.
- c. Select the source system(s) and navigate to **Refresh Date** subtab.
- d. Reset the dates to the last ETL run date in the Plus Configuration, and click **Save**.
- e. Run the Execution Plan.

This performs incremental load, bringing the warehouse up to date.

Option B

- a. Perform a full load of the warehouse using CDA- Warehouse Execution Plan.

You can refer to "Defining Data Marts" in the *Oracle Life Sciences Data Hub Application Developer's Guide* for steps for creation of data mart. When you define the LSH datamart, include all of the tables in the warehouse which are populated by OCDA ETL.

5 Related Documents

For more information, see the following documents in the Oracle Business Intelligence Data Warehouse Administration Console 10.1.3.4.1 documentation set and the Oracle Business Intelligence Enterprise Edition Release 10.1.3.4.1 documentation set.

Oracle Business Intelligence Data Warehouse Administration Console (DAC) Documentation

The Oracle Business Intelligence Data Warehouse Administration Console (DAC) documentation set includes:

- *Oracle Business Intelligence Data Warehouse Administration Console User's Guide* (Part E12652)
- *Oracle Business Intelligence Data Warehouse Administration Console Installation, Configuration, and Upgrade Guide* (Part E12653)

Oracle Business Intelligence Enterprise Edition (OBIEE) Documentation

The Oracle Business Intelligence Enterprise Edition (OBIEE) documentation set includes:

- *System Requirements and Supported Platforms for Oracle Business Intelligence Suite Enterprise Edition* (Part E10417)
- *Oracle Business Intelligence Infrastructure Installation and Configuration Guide* (Part E31765)
- *Oracle Business Intelligence Answers, Delivers, and Interactive Dashboards User Guide* (Part B31767)
- *Oracle Business Intelligence Presentation Services Administration Guide* (Part B31766)
- *Oracle Business Intelligence Server Administration Guide* (Part B31700)
- *Oracle Business Intelligence Web Services Guide* (Part B31769)

6 Finding Information and Patches on My Oracle Support

Your source for the latest information about Oracle Clinical Development Analytics Standard Configuration is Oracle Support's self-service Web site, My Oracle Support (formerly MetaLink).

Always visit the My Oracle Support Web site for the latest information, including alerts, release notes, documentation, and patches.

6.1 Creating a My Oracle Support Account

You must register at My Oracle Support to obtain a user name and password account before you can enter the Web site.

To register for My Oracle Support:

1. Open a Web browser to <http://support.oracle.com>.
2. Click the **Register here** link to create a My Oracle Support account. The registration page opens.
3. Follow the instructions on the registration page.

6.2 Signing In to My Oracle Support

To sign in to My Oracle Support:

1. Open a Web browser to <http://support.oracle.com>.
2. Click **Sign In**.
3. Enter your user name and password.
4. Click **Go** to open the My Oracle Support home page.

6.3 Searching for Knowledge Articles by ID Number or Text String

The fastest way to search for product documentation, release notes, and white papers is by the article ID number.

To search by the article ID number:

1. Sign in to My Oracle Support at <http://support.oracle.com>.

2. Locate the Search box in the upper right corner of the My Oracle Support page.
3. Click the sources icon to the left of the search box, and then select Article ID from the list.
4. Enter the article ID number in the text box.
5. Click the magnifying glass icon to the right of the search box (or press the Enter key) to execute your search.

The Knowledge page displays the results of your search. If the article is found, click the link to view the abstract, text, attachments, and related products.

In addition to searching by article ID, you can use the following My Oracle Support tools to browse and search the knowledge base:

- **Product Focus** — On the Knowledge page, you can drill into a product area through the Browse Knowledge menu on the left side of the page. In the Browse any Product, By Name field, type in part of the product name, and then select the product from the list. Alternatively, you can click the arrow icon to view the complete list of Oracle products and then select your product. This option lets you focus your browsing and searching on a specific product or set of products.
- **Refine Search** — Once you have results from a search, use the Refine Search options on the right side of the Knowledge page to narrow your search and make the results more relevant.
- **Advanced Search** — You can specify one or more search criteria, such as source, exact phrase, and related product, to find knowledge articles and documentation.

6.4 Finding Patches on My Oracle Support

Be sure to check My Oracle Support for the latest patches, if any, for your product. You can search for patches by patch ID or number, or by product or family.

To locate and download a patch:

1. Sign in to My Oracle Support at <http://support.oracle.com>.
2. Click the **Patches & Updates** tab.

The Patches & Updates page opens and displays the Patch Search region. You have the following options:

- In the Patch ID or Number is field, enter the primary bug number of the patch you want. This option is useful if you already know the patch number.
 - To find a patch by product name, release, and platform, click the Product or Family link to enter one or more search criteria.
3. Click **Search** to execute your query. The Patch Search Results page opens.
 4. Click the patch ID number. The system displays details about the patch. In addition, you can view the Read Me file before downloading the patch.
 5. Click **Download**. Follow the instructions on the screen to download, save, and install the patch files.

6.5 Finding Certification Information

Certifications provide access to product certification information for Oracle and third party products. A product is certified for support on a specific release of an operating

system on a particular hardware platform, for example, Oracle Database 10g Release 2 (10.2.0.1.0) on Sun Solaris 10 (SPARC). To find certification information:

1. Sign in to My Oracle Support at <http://support.oracle.com>.
2. Click the **Certifications** tab. The Certifications page opens and displays the Find Certifications region.
3. In Select Product, enter Oracle Clinical Development Analytics.
4. Click the Go to Certifications icon.
The right pane displays the certification information.
5. Select a certification to view the certification details.

7 Finding Documentation on Oracle Technology Network

You can also use the Oracle Technology Network Web site to open PDF versions of user and reference documentation.

Visit the Oracle Technology Network Web site at the following address:

<http://www.oracle.com/technology/index.html>

Use the Documentation menu and the Documentation Index to find the manual you want, and then click its title to download and open the PDF version of the manual.

8 Documentation Accessibility

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Deaf/Hard of Hearing Access to Oracle Support Services

To reach Oracle Support Services, use a telecommunications relay service (TRS) to call Oracle Support at 1.800.223.1711. An Oracle Support Services engineer will handle technical issues and provide customer support according to the Oracle service request process. Information about TRS is available at

<http://www.fcc.gov/cgb/consumerfacts/trs.html>, and a list of phone numbers is available at <http://www.fcc.gov/cgb/dro/trsphonebk.html>.

Oracle® Clinical Development Analytics Installation Guide, Release 2.0.0.3 for Standard Configuration
E22700-01

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