Oracle® Healthcare Provider Supply Chain Analytics

Installation Guide

Release 1.0.0.1

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Oracle Healthcare Provider Supply Chain Analytics (OHPSCA) is an analytical reporting application. OHPSCA generates both predefined and custom reports of key metrics across the provider supply chain spectrum.

OHPSCA is built on top of Oracle Business Intelligence Enterprise Edition (OBIEE) infrastructure. This document presents instructions for installing OHPSCA. It also describes the tasks that you must complete before you can install the OHPSCA application.

This guide contains the following sections:

1 Technology Stack and System Requirements

The required technology stack for OHPSCA consists of the following products:

- Oracle Database 11.2.0.1

- Oracle Business Intelligence Enterprise Edition (OBIEE) 10.1.3.4.1
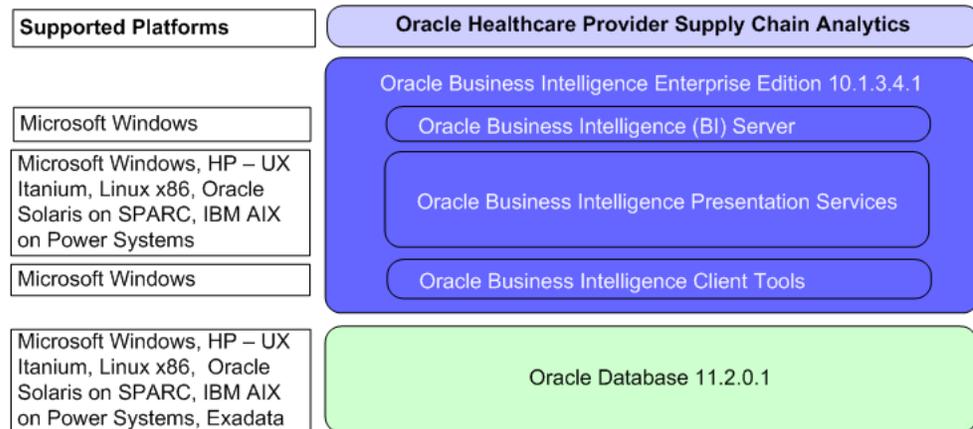
Table 1   System Requirements References

Product	Reference
Oracle Database 11.1.0.7	*Database Installation Guide for <platform>*
Oracle Business Intelligence Enterprise Edition (OBIEE) 10.1.3.4.1	*System Requirements and Supported Platforms for Oracle Business Intelligence Suite Enterprise Edition*
Other Technology Stack Components	My Oracle Support / Certifications

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

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Figure 1 Oracle Healthcare Provider Supply Chain Analytics Technology Stack

Supported Platforms	Oracle Healthcare Provider Supply Chain Analytics
	Oracle Business Intelligence Enterprise Edition 10.1.3.4.1
Microsoft Windows	Oracle Business Intelligence (BI) Server
Microsoft Windows, HP – UX Itanium, Linux x86, Oracle Solaris on SPARC, IBM AIX on Power Systems	Oracle Business Intelligence Presentation Services
Microsoft Windows	Oracle Business Intelligence Client Tools
Microsoft Windows, HP – UX Itanium, Linux x86, Oracle Solaris on SPARC, IBM AIX on Power Systems, Exadata	Oracle Database 11.2.0.1

1.1 Supported Browsers

OHPSCA 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.*

1.2 Supported Platforms

OHPSCA supports the following platforms:

- Microsoft Windows32 (Windows 2003/ Windows 2008)
- Oracle Solaris on SPARC (64-bit)
- HP-UX Itanium
- Linux x86
- IBM AIX 6.1 PowerPC (64-bit)
- Exadata 2.0

2 Prerequisite Software

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

❑ Install Oracle Database 11.2.0.1

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

❑ 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)

> **Notes:**
>
> Oracle recommends that you enable HTTPS on the middle-tier computer that is hosting the Web services, since the trusted user name and password that are passed can be intercepted.
>
> The rest of the instructions in Section 3 assume that OBIEE is installed on Windows32 in the c:\oracleBI and c:\oracleBIdata folder and on UNIX in the /oracleBI and /oracleBIdata folders.

3 Installing Oracle Healthcare Provider Supply Chain Analytics

To install the OHPSCA application on Windows and Unix:

1. Create a directory on the server and copy the contents of the software folder on the media to this directory.

2. Install the Oracle database.

3. Connect to the database as the SYSTEM user.

4. Run the CREATE_PSCA_USER.SQL script. This script creates two users EHA_PSCA and EHA_PSCA_RPD.

5. The script prompts for the Default_Table_Space name. Enter the default tablespace for the users. You can enter any valid tablespace name for the users. Oracle recommends that you use the Apps tablespace APPS_TS_TX_DATA as the default tablespace.

    The script also prompts for both the OHPSCA user passwords. Enter valid passwords for both the users and continue.

6. Inspect the log file create_PSCA_user_*<DB_name>*.log located in the working directory for errors. <DB_name> is the database name.

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

    Username: `EHA_PSCA`

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

8. Run the DDL script, EHA_PSCA_DDL_1.0.sql, to create the database objects such as tables, views, indexes, procedures, functions, constraints, and triggers.

9. The script prompts for the Index_Table_Space for the EHA_PSCA user. Enter the tablespace for the indexes. You can enter any valid tablespace name. Oracle recommends that you use the Apps tablespace APPS_TS_TX_IDX as the index table space.

10. Inspect the log file PSCA_DDL_1_*<DB_name>*.log located in the working directory for errors. <DB_name> is the database name.

11. Run the EHA_PSCA_INSERT_SEED_DATA.SQL script. The script inserts seed data for OHPSCA application into the database. Inspect this log file after each step to see the output log and check for errors during the setup.

12. Inspect the log file PSCA_insert_seed_data_*<DB_name>*.log located in the working directory for errors. <DB_name> is the database name.

13. Connect to the database as the new user EHA_PSCA_RPD with the following credentials:

Username: `EHA_PSCA_RPD`

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

14. Run the EHA_PSCA_SYNONYMS.SQL script. The script creates synonyms for all the OHPSCA tables created in the EHA_PSCA schema.

15. Place the OracleHealthcarePSCAnalyticsApps.rpd in the following folder:

    - Windows32 - *<DRIVE>*:\OracleBI\server\Repository

    - UNIX - OracleBI/server/Repository

16. Modify the repository section of the following file to include an entry for the RPD file:

    - Windows32 - *<DRIVE>*:\OracleBI\server\Config\NQSConfig.INI

    - UNIX - /OracleBI/server/Config/NQSConfig.INI

    For example,

    `Star=OracleHealthcarePSCAnalyticsApps.rpd,DEFAULT;`

17. Unzip OracleHealthcarePSCAnalyticsApps.zip in the following folder:

    - Windows32 - *<DRIVE>*:\OracleBIdata\web\catalog

    - UNIX - /OracleBIdata/web/catalog

18. Modify the catalog path line in the following file to point it to the correct Web Catalog:

    - Windows32 - *<DRIVE>*:\OracleBIdata\web\config\instanceconfig.xml

    - UNIX - OracleBIdata/web/config/instanceconfig.xml

    For example,

    - Windows32 -
      `<CatalogPath><DRIVE>:\OracleBIdata\web\catalog\OracleHealt`
      `hcarePSCAnalyticsApps</CatalogPath>`

    - Unix–
      `<CatalogPath>/OracleBIdata/web/catalog/OracleHealthcarePSC`
      `AnalyticsApps</CatalogPath>`

19. Unzip s_psca.zip to extract the s_psca folder in:

    - Windows32 - *<DRIVE>*:\OracleBI\web\app\res

    - UNIX - /OracleBI/web/app/res

20. Unzip s_psca.zip to extract the s_psca folder in:

    - Windows32 - *<DRIVE>*:\OracleBI\oc4j_
      bi\j2ee\home\applications\analytics\analytics\res

    - UNIX - /OracleBI/oc4j_bi/j2ee/home/applications/analytics/analytics/res

21. Unzip help.zip in:

    - Windows32 - *<DRIVE>*:\OracleBI\web\app\res\help

    - UNIX - /OracleBI/web/app/res/help

22. Unzip help.zip in:

- Windows32 - *<DRIVE>*:\OracleBI\oc4j_
  bi\j2ee\home\applications\analytics\analytics\res\help

- UNIX - /OracleBI/oc4j_
  bi/j2ee/home/applications/analytics/analytics/res/help

23. In the Oracle BI Administration Tool, open the newly installed Oracle BI repository (OracleHealthcarePSCAnalyticsApps.rpd) in the offline mode to configure static variables and database connections.

> **Note:** Oracle BI Administration Tool is supported only on Windows. If Oracle Healthcare Provider Supply Chain Analytics is installed on Unix, copy OracleHealthcarePSCAnalyticsApps.rpd to a Windows system to perform modifications described in the following sections. Once the modifications are complete, copy the OracleHealthcarePSCAnalyticsApps.rpd back to the Unix system.

  1. In the Oracle BI Administration Tool, select **File** > **Open** > **Offline**.

  2. Navigate to the OracleHealthcarePSCAnalyticsApps.rpd, and then click **Open**.

24. In the Open Offline dialog box, enter the following credentials to log into the OracleHealthcarePSCAnalyticsApps.rpd file, and then click **OK**.

   Username: `Administrator`

   Password: `SADMIN`

25. Do the following to change the default password using the Oracle Business Intelligence Administration Tool:

  1. Select **Manage** > **Security**

  2. In the Security Manager dialog box, select **Users** in the left pane.

  3. In the right pane, right-click the user whose password you want to change.

  4. Select **Properties** from the shortcut menu.

  5. In the **User** tab, enter the new password.

  6. In the Confirm Password text box, type the password again, and then click **OK**.

26. In the Oracle BI Administration Tool, select **Manage** > **Variables**.

27. In the Variable Manager dialog box, expand the **Repository** > **Variable** in the left pane, then click **Static**.

28. Double-click and modify the following static variables:

Table 2   Static Variables

Variable Name	Instruction
OLAP_DSN	Enter the Service Name of database hosting OHPSCA database schema.

Table 2   (Cont.) Static Variables

Variable Name	Instruction
OLAP_USER	Enter the name of OHPSCA read-only database schema, for example, EHA_PSCA_RPD.
OLAPTBO	Enter the name of OHPSCA read-only database schema, for example, EHA_PSCA_RPD.
LOW_VALUE_PO	Enter the value of the low value purchase order. Any purchase order having value less than this value is considered a low value purchase order.

29. Click **OK** after each modification.

30. Close the Variable Manager.

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

    1. In the physical layer, expand the EHI Applications Data Warehouse node and double-click **EHI Applications Data Warehouse Connection Pool**.

    2. Change the password to the password of the EHA_PSCA user.

    3. Click **OK**.

    4. Expand the Externalized Metadata Strings node and double-click **Internal System Connection Pool**.

    5. Change the password to the password of the EHA_PSCA user.

    6. Click **OK**.

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

33. Navigate to<*OracleBIdata*>\web\config.

34. Add the following settings after </AdvancedReporting> tag in the instanceconfig.xml file:

    <ReportAggregateEnabled>true</ReportAggregateEnabled>

    <HardenXSS>false</HardenXSS>

35. Save instanceconfig.xml.

36. Start the OC4J manually, in the Windows Start Menu, select **All Programs** > **Oracle Business Intelligence** > **Start OC4J**.

37. Start the Oracle BI Java Host, Oracle BI Server, and Oracle BI Presentation Server services from Windows Start Menu, select **Control Panel** > **Administration Tools** > **Services**.

38. To start Oracle Business Intelligence, in the Windows Start menu, select **All Programs** > **Oracle Business Intelligence** > **Presentation Services**.

4 Accessing Oracle Healthcare Provider Supply Chain Analytics

Your security privileges determine what reports you can see and what you can do in OHPSCA. To log in to OHPSCA, you must have a browser on your computer and a URL, username, and password provided by your company.

4.1 Logging In

1. Open your browser and enter the URL provided by your company.

Figure 2 displays the OHPSCA login page.

Figure 2   Oracle Healthcare Provider Supply Chain Analytics Login Page

2. Enter the following user ID and password.

   Username: Administrator

   Password: SADMIN

3. Click **Login**.

   After your login credentials are authenticated, your default dashboard page is displayed.

5 Finding Information and Patches on My Oracle Support

Your source for the latest information about Oracle Healthcare Provider Supply Chain Analytics is Oracle Support's self-service Web site, My Oracle Support (formerly MetaLink).

Before you install and use an Oracle software release, always visit the My Oracle Support Web site for the latest information, including alerts, release notes, documentation, and patches.

5.1 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.

5.2 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.

5.3 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.

5.4 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.

5.5 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 Healthcare Provider Supply Chain Analytics.

4. Click the Go to Certifications icon.

   The right pane displays the certification information.

5. Select a certification to view the certification details.

6 Finding Oracle Documentation

The Oracle Web site contains links to all Oracle user and reference documentation. You can view or download a single document or an entire product library.

6.1 Finding Oracle Health Sciences Documentation

To get user documentation for Oracle Health Sciences applications, go to the Oracle Health Sciences documentation page at:

http://www.oracle.com/technetwork/documentation/hsgbu-154445.html

> **Note:** Always check the Oracle Health Sciences Documentation page to ensure you have the latest updates to the documentation.

6.2 Finding Other Oracle Documentation

To get user documentation for other Oracle products:

1. Go to the following Web page:

   http://www.oracle.com/technology/documentation/index.html

   Alternatively, you can go to http://www.oracle.com, point to the Support tab, and then click **Documentation**.

2. Scroll to the product you need and click the link.

3. Click the link for the documentation you need.

7 Documentation Accessibility

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