



ORACLE® ESSBASE

Release 12.2.1.2.0

Readme



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Purpose

This document includes important, late-breaking information about this release of Oracle Essbase. Review this Readme thoroughly before installing Essbase in an Oracle Business Intelligence 12.2.1.2.0 environment.

Administration Services and Essbase Studio 11.1.2.4.008 or Later Are Supported in Essbase 12.2.1.2.0

Supported components for Essbase 12.2.1.2.0:

- Essbase 12.2.1.2.0
- Oracle Hyperion Provider Services 12.2.1.1.0
- Oracle Essbase Administration Services 11.1.2.4.008 or later
- Oracle Essbase Studio 11.1.2.4.008 or later

Note: Administration Services and Essbase Studio releases earlier than 11.1.2.4.008 are not supported with Essbase 12.2.1.2.0.

Unsupported Features in Essbase 12.2.1.2.0

These features are not supported in this release:

- Cube Deployment Service (CDS)
- Essbase BI Acceleration

Any references to CDS, Essbase BI Acceleration, and Essbase BI Acceleration Wizard in the Essbase documentation should be ignored.

Installation Information

See the *Oracle Fusion Middleware Installation Guide for Oracle Business Intelligence* for information on installing Essbase in the Oracle Business Intelligence 12.2.1.2.0 environment.

Supported Platforms

See the Oracle Fusion Middleware 12c Certifications on the Oracle Fusion Middleware Supported System Configurations page on the Oracle Technical Network at <http://www.oracle.com/technetwork/middleware/ias/downloads/fusion-certification-100350.html>.

Supported Paths to this Release

You can upgrade to Essbase 12.2.1.2.0 from the Essbase 12.2.1.0.0 or 12.2.1.1.0 releases only.

Note: In Essbase 12.2.1.2.0, you cannot migrate databases that were created in 11.1.2.4.xxx versions of Essbase. However, you can copy dimension build rules files and data load rules files from an Essbase 11.1.2.4.xxx database to create a new database in release 12.2.1.2.0. Then you can define other artifacts (such as location aliases, partitions, and substitution variables) in the 12.2.1.2.0 database. You can also copy calculation scripts created in Essbase 11.1.2.4.xxx for use in databases created in 12.2.1.2.0.

Defects Fixed in this Release

This section includes defects fixed in Release 12.2.1.2.0. To review the list of defects fixed between earlier releases, use the Defects Fixed Finder. This tool enables you to identify the products you own and your current implementation release. With a single click, the tool quickly produces a customized report of fixed-defect descriptions with their associated platforms and patch numbers. This tool is available at:

<https://support.oracle.com/oip/faces/secure/km/DocumentDisplay.jspx?id=1292603.1>

There are no noteworthy fixed defects in this release.

Known Issues in this Release

The following is the noteworthy known issue for this release.

- 21875962, 21888775 -- Essbase Java Agent fails to start out of the box when Essbase is deployed in BI 12.2.1.0.0 or BI 12.2.1.1.0, which is configured with DB2.

Workaround:

1. Login to the Oracle WebLogic Server Administration console.
2. Navigate to **Services**, then **Data Sources**, then **wlsservices_datasource**, and then the **Connection Pool** tab.
3. Use the **Lock & Edit** option.
4. In the **Properties** section, change the user property from:

```
user=<RCU_PREFIX>_WLS_RUNTIME
```

To:

```
user=<RCU_PREFIX>_WLS
```

For example:

```
user=MYBI_WLS
oracle.net.CONNECT_TIMEOUT=10000
SendStreamAsBlob=true
```

5. Save the changes.
6. Navigate to **Environment**, then **Clusters**, then **bi_cluster**, and then the **Migration** tab.
7. In the **Auto Migration Table Name** field, prepend `<RCU_PREFIX>_WLS_RUNTIME` to the exiting `ACTIVE` value:
`<RCU_PREFIX>_WLS_RUNTIME.ACTIVE`
 Using the example from Step 4:
`MYBI_WLS_RUNTIME.ACTIVE`
8. Save the changes.
9. Use the **Activate Changes** option to makes these changes take effect.
10. Restart the BI 12.2.1.1.0 environment.

- 23259118 -- Creating an application might fail if IPV4 is disabled and only IPV6 is enabled in the environment in which Essbase is installed.

Workaround:

If IPV4 is disabled, enable IPV4 and restart the BI 12.2.1.1.0 environment.

- 22596350 -- Drill-through reports with recursive hierarchy based cube deployments from Essbase Studio do not work if Dynamic Time Series functions exist in the Oracle Smart View for Office grid.

Documentation Updates

Subtopics

- [Loading ODBC Drivers in Release 12.2.1.2.0](#)
- [Oracle Help Center Libraries to Use for the Essbase 12.2.1.2.0 Release](#)
- [Adding 7.1 Driver Descriptors to the odbcinst.ini File \(23317170\)](#)
- [Changes to the “SSL for Essbase” Documentation](#)
- [ESSVRSTARTUPWAITTIME Configuration Setting](#)
- [FUSIONAPPID Configuration Setting Value is Lowercase \(obi\)](#)
- [Copying and Pasting Code Snippets from PDFs](#)

Loading ODBC Drivers in Release 12.2.1.2.0

In releases previous to 12.2.1.2.0, Essbase loads ODBC drivers by reading the `odbcinst.ini` from `$DOMAIN_HOME/config/fmwconfig/bienv/core/odbcinst.ini`.

Starting in release 12.2.1.2.0, Essbase discovers ODBC drivers by reading the common Data Direct configuration file that is used by the BI stack. The common Oracle Data Direct configuration file is `$DOMAIN_HOME/config/fmwconfig/biconfig/core/ddpath.properties`.

By default, in release 12.2.1.2.0, this configuration file points to `$BI_ORACLE_HOME/modules/oracle.bi.datadirect.odbcc/8.0.1`; the `odbcinst.ini` used by Essbase is under this location.

Note: the BPM driver descriptor based entries in the Essbase configuration file (`essbase.cfg`) correspond to the driver names listed in the `odbcinst.ini`. If you change the driver version and location defined in `ddpath.properties`, then you need to modify the driver descriptor entries in `essbase.cfg` so that they match the drivers loaded in the corresponding `odbcinst.ini`.

Example

If you modify `ddpath.properties` to point to Data Direct version 7.1.4, edit the value as follows:

```
DD_PATH=/ExampleRoot/Oracle/bi/modules/oracle.bi.datadirect.odbcc/7.1.4
```

This makes Essbase point to `/ExampleRoot/Oracle/bi/modules/oracle.bi.datadirect.odbcc/7.1.4/odbcinst.ini` and load the version 7.1.4 drivers. You must align the driver descriptor entries in `essbase.cfg` to match the ones loaded through this `odbcinst.ini`. For example:

```
BPM_DB2_DriverDescriptor      "Oracle 7.1 DB2 Wire Protocol"
BPM_MySQL_DriverDescriptor    "Oracle 7.1 MySQL Wire Protocol"
BPM_Oracle_DriverDescriptor   "Oracle 7.1 Oracle Wire Protocol"
BPM_SQLServer_DriverDescriptor "Oracle 7.1 SQL Server Wire Protocol"
BPM_Teradata_DriverDescriptor "Oracle 7.1 Teradata"
```

Oracle Help Center Libraries to Use for the Essbase 12.2.1.2.0 Release

For the Essbase 12.2.1.2.0 release, use these Oracle help center libraries:

- [Oracle Essbase Documentation Release 12.2.1.0.0](#) library—The guides available on this library pertain to the Essbase 12.2.1.2.0 release. Updated documents:
 - The *Oracle Essbase Database Administrator's Guide* was updated for Release 12.2.1.1.0
 - In addition to the Essbase Readme for 12.2.1.0.0, this Essbase 12.2.1.2.0 Readme is also on the library.
- [Oracle Essbase Documentation Release 11.1.2.4.000](#) library—If you are using Oracle Essbase Administration Services 11.1.2.4.008 or Oracle Essbase Studio 11.1.2.4.008 with Essbase 12.2.1.2.0, use the respective product documentation on this library.

Adding 7.1 Driver Descriptors to the odbcinst.ini File (23317170)

The process for adding 7.1 driver descriptor information involves opening the `odbcinst.ini` file in one location to copy the driver descriptor information and then opening the `odbcinst.ini` file in another location to paste the driver descriptor information.

► To add 7.1 driver descriptors to the `odbcinst.ini` file:

1 Navigate to the following directory:

```
Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/8.0.1
```

2 Open the `odbcinst.ini` file.

The `odbcinst.ini` file in this directory contains a list of supported drivers and driver descriptor information.

3 Copy the descriptor information for the driver that you want to use.

For example, for the 7.1 DB2 driver, copy this block of text:

```
[Oracle 7.1 DB2 Wire Protocol]
Driver=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARdb227.so
APILevel=0
ConnectFunctions=YYY
DriverODBCVer=3.52
FileUsage=0
HelpRootDirectory=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/help
Setup=Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARdb227.so
SQLLevel=0
```

Note: In the `odbcinst.ini` file, absolute paths are given for the `Driver`, `HelpRootDirectory`, and `Setup` paths. The `Oracle_Home` variable is used in the documentation for illustration purposes only. In the `odbcinst.ini` file, you cannot use variables in the path.

4 Navigate to the following directory:

```
domain_home/bi/config/fmwconfig/bienv/core
```

5 Open the `odbcinst.ini` file in this directory and make these changes:

- a. Somewhere after the [ODBC Drivers] section, add a new line and paste the driver description information that you copied in [step 3](#).

For example, for the 7.1 DB2 driver, paste this block of text:

```
[Oracle 7.1 DB2 Wire Protocol]
Driver=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARdb227.so
APILevel=0
ConnectFunctions=YYY
DriverODBCVer=3.52
FileUsage=0
HelpRootDirectory=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/help
Setup=Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARdb227.so
SQLLevel=0
```

- b. In the [ODBC Drivers] section at the beginning of the `odbcinst.ini` file, add a new line and enter the name of the driver, excluding the brackets ([]), using this syntax:

```
driver_name=Installed
```

For example, for the 7.1 DB2 driver, enter this line of text:

```
Oracle 7.1 DB2 Wire Protocol=Installed
```

- c. Save the `odbcinst.ini` file in the `$domain_home/bi/config/fmwconfig/bienv/core` directory.

The saved `odbcinst.ini` file might look similar to this example:

```
[ODBC Drivers]
Oracle 7.1 Oracle Wire Protocol=Installed
Oracle 7.1 DB2 Wire Protocol=Installed
Oracle 7.1 SQL Server Wire Protocol=Installed
Oracle BI Server=Installed

[Oracle 7.1 Oracle Wire Protocol]
Driver=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARora27.so
APILevel=0
ConnectFunctions=YYY
DriverODBCVer=3.52
FileUsage=0
HelpRootDirectory=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/help
Setup=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARora27.so
SQLLevel=0

[Oracle 7.1 DB2 Wire Protocol]
Driver=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARdb227.so
APILevel=0
ConnectFunctions=YYY
DriverODBCVer=3.52
FileUsage=0
HelpRootDirectory=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/help
Setup=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARdb227.so
SQLLevel=0

[Oracle 7.1 SQL Server Wire Protocol]
Driver=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/lib/ARsqls27.so
APILevel=1
ConnectFunctions=YYY
DriverODBCVer=3.52
FileUsage=0
HelpRootDirectory=/Oracle_Home/bi/modules/oracle.bi.datadirect.odbc/7.1.5/help
SQLLevel=0

[Oracle BI Server]
Driver=/Oracle_Home/bi/bifoundation/server/bin/libnqsodbc64.so
APILevel=3
ConnectFunctions=YYN
DriverODBCVer=3.52
FileUsage=0
SQLLevel=2
```

Changes to the “SSL for Essbase” Documentation

Subtopics

- [Location of the orapki Command-Line Tool](#)
- [Configuring a BI Client to Connect to Essbase in SSL Mode](#)

The following information updates the “SSL for Essbase” documentation in the *Oracle Essbase Database Administrator's Guide* for 12.2.1.0.0.

Location of the orapki Command-Line Tool

In Essbase 12.2.1.1.0, the Oracle public key infrastructure (PKI) command-line tool, `orapki`, is located in the following directory:

```
ORACLE_HOME/oracle_common/bin
```

(23097401)

Configuring a BI Client to Connect to Essbase in SSL Mode

When Essbase is in SSL mode, you must set up the certificates needed for a BI client to connect to Essbase as a datasource while creating a new BI repository.

The following instructions assume that you have completed the instructions in the “Setting Up Wallets” section of the *Oracle Essbase Database Administrator's Guide* for setting up the root, Essbase Server, and Essbase client wallets and for configuring the WALLETPATH configuration setting in the `essbase.cfg` file.

➤ To configure a BI client to connect to Essbase in SSL mode:

- 1 From the Essbase Server installation, copy the `cwallet.sso` and `ewallet.p12` files to the BI client installation in the following directory:

```
ORACLE_HOME\oui\config\fmwconfig\biconfig\essbase\walletssl
```

Note: This directory is where configuration files are typically located in a BI client installation. However, you can copy these files to another directory that is within the BI client installation.

- 2 Create an `essbase.cfg` file that includes only the WALLETPATH configuration setting that specifies the directory in [step 1](#).

- 3 Copy this version of the `essbase.cfg` file to the following directory:

```
ORACLE_HOME\oui\config\fmwconfig\biconfig\essbase
```

- 4 Set the `ESSBASE_CONFIG_PATH` variable to add the path to the directory where the `essbase.cfg` is located in [step 3](#) to the BI client `nqinit.cmd` file so that the BI client picks up the Essbase wallet files when loading. For example:

```
ESSBASE_CONFIG_PATH=ORACLE_HOME\oui\config\fmwconfig\biconfig\essbase to ORACLE_HOME\bi\bi\foundation\server\bin\nqinit.cmd
```


The BI client should be able to connect to Oracle Essbase in secure mode using this URL syntax:

```
Host:secure_port:secure
```

(23097447)

ESSSVRSTARTUPWAITTIME Configuration Setting

Specifies the maximum amount of time (in seconds) that the Essbase Java Agent waits for the application process (ESSSVR) to start. If the process does not start before the specified maximum amount of time, the start up is considered failed.

Syntax:

```
ESSSVRSTARTUPWAITTIME n
```

n—Specifies the maximum number of seconds that the Essbase Java Agent waits for the application process (ESSSVR) to start. The default value is 180 seconds.

Example:

```
ESSSVRSTARTUPWAITTIME 300
```

Specifies 300 seconds as the maximum number of seconds that the Essbase Java Agent waits for the application process (ESSSVR) to start.

(23198805)

FUSIONAPPID Configuration Setting Value is Lowercase (obi)

In the 12.2.1.0.0 version of the *Oracle Essbase Technical Reference*, the syntax for the FUSIONAPPID configuration setting is expressed as:

```
FUSIONAPPID OBI
```

The value of this configuration setting should be lowercase. Revised FUSIONAPPID configuration setting syntax:

```
FUSIONAPPID obi
```

(21975522)

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