

Oracle® Business Intelligence Cloud Service Data Sync

Getting Started

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1 About This Guide

This Getting Started guide introduces the Oracle Business Intelligence Cloud Service Data Sync and provides initial installation instructions. For more information, consult the product documentation and the Data Sync help.

2 Business Intelligence Cloud Service Data Sync Overview

The Business Intelligence Cloud Service Data Sync supports the load of on-premises data residing in one or more relational or comma-separated value file sources into the schema provisioned on the Oracle Business Intelligence Cloud Service.

3 Installing the Business Intelligence Cloud Service Data Sync

To install the Data Sync, you must meet the requirements and prerequisites, then unzip and run the application.

3.1 Prerequisites, Supported Databases, and JDBC Requirements

Before installing, you must have the Java 1.7 or later version of Java Developer Kit (JDK). On an on-going basis, any critical updates specific to this version of Java should always be applied.

Note: : Java Developer Kit is required for Business Intelligence Cloud Service Data Sync. The equivalent version of the Java Runtime Environment (JRE) is insufficient to support the installation.

3.1.1 Database Support

Business Intelligence Cloud Service Data Sync supports the following databases:

- Oracle (source and target)
- Microsoft SQL Server (source and target)
- DB2 (source and target)
- Teradata (source and target)
- MySQL (source only)
- Oracle TimesTen (source and target)

3.1.2 JDBC Drivers

Business Intelligence Cloud Service Data Sync is a Java application and uses JDBC to extract data from databases.

While Oracle JDBC version 11.2.x is packaged with the application, this version should be replaced with the JDBC version specific to the source database vendor and version. The appropriate database-specific JDBC drivers must be copied to the \lib directory after installation of the application. For example, if your Oracle version is any different, copy the JDBC driver from your local Oracle installation, which should match with the database version, and overwrite the provided JDBC driver.

Vendor	JDBC Driver Name
Oracle	ojdbc6.jar
MySQL	Mysql-connector-java*.jar
Microsoft SQL Server	sqljdbc.jar
DB2	db2java.zip
TimesTen	ttjdbc6.jar, orai18n.jar, timestenjmsxa.jar, jms.jar, javax.jms.jar
Teradata	terajdbc4.jar, log4j.jar, teradata.jar, tdgssjava.jar, tdgssconfig.jar

3.2 Setting Up the Software

To set up the software, copy the BICSDDataSync.Zip file to an installation directory with no spaces in its name, and unzip the files.

WARNING: The Data Sync tool stores sensitive information, including connection information to your on-premises databases. While the tool can run on any desktop environment, it is highly recommended that it be installed in production in a controlled environment where the operating system and file system privileges are tightly controlled.

Setting the Java Home

Depending on your operating system, edit either the config.bat or config.sh file, modifying the line that sets the JAVA_HOME. Replace the @JAVA_HOME with the directory where the JDK is installed.

Note: If your directory has spaces in the name, then put double-quotes around it.

For example, on Windows:

```
set JAVA_HOME=D:\Java
```

For example, on UNIX:

```
JAVA_HOME=usr/java
```

To run the Oracle Business Intelligence Cloud Service Data Sync application, run `datasync.bat` (Windows) or `datasync.sh` (Linux/UNIX) in the extracted Oracle Business Intelligence Cloud Service Data Sync directory. To access the software easily, you can create a shortcut to the desktop for this file.

Running the Data Sync for the First Time

The first time that the process is run, it recognizes that this is the first time it has run and begins with a configuration setup wizard, which prompts you for the following:

1. A Logical Name for the repository. This name is used to distinguish the repository in multi-repository environments. For example, you could name the instance Development Environment or Production Environment, and that name is then displayed as a tooltip for the system tray Data Sync icon and also on the title bar of the client.
2. A password. Provide a password that can be used to access the client. You can also select to have the tool remember the password.

Note: Because the Data Sync client stores the transactional system passwords, the tool should only be installed in protected environments.

3. Create a project or select an existing one.
4. Set system properties and email configuration. For information about setting up email, see "[Setting Up Email Notifications](#)".

Running the Data Sync After the First Time

Run `datasync.bat` (Windows) or `datasync.sh` (Linux/UNIX) to restart the application. Upon successful launch of the application, it appears as a system tray icon, and the icon's tool tip displays the repository name. Subsequently, a login dialog box is displayed for the client, in which you can specify that the system remember the password if you did not specify this upon first run. If you close the client, you can restart by clicking the system tray icon and selecting **Start UI**. In the login screen, enter or confirm the password and click **Login**, then create a project or select an existing one.

Reconfiguring the Data Sync From the Beginning

To reset the Data Sync to its default state and redo the setup process, run `datasync.bat` (Windows) or `datasync.sh` (Linux/UNIX) in a command window with the `-clean` option.

Uninstalling the Data Sync

To uninstall the Data Sync, delete the install directory.

4 Configuring your connections

Once in the application, navigate to the Connections tab and configure the Target connection with the Oracle Business Intelligence Cloud Service connection information. Note that the type of connection is Oracle (BICS).

Requires user name and password of a user with BI Dataload Author role and Oracle Business Intelligence Cloud Service URL. For example, `https://<servicename-identitydomain>.<PaaS service type>.<dc>.oraclecloud.com`

Note: Do not use URL extensions.

Now, you may choose to add any of your on-premises databases as a new connection. Ensure you choose the appropriate type (driver/url are optional).

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