IBM Database Conversion Workbench 4.0

Installation & Quick Start Guide for Windows

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IBM

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1 Introduction

The IBM® Database Conversion Workbench (DCW) is a no-charge application that offers several tools for converting your databases to IBM DB2 for Linux, UNIX and Windows and IBM Db2 Warehouse.

Database Conversion Workbench 4.0 is available as a full client, which includes all the database conversion features, or as a lite client, which includes only the SQL evaluation and conversion functions. **Go to section 2. IBM Database Conversion Full-Client** to learn more about its usage.

2 IBM Database Conversion Workbench Full-Client

Requirements

The following requirements must be met:

- **Operating System**
  - Windows

- **Oracle JDBC® driver (required for access to Oracle databases)**
  - Needs to be downloaded separately and installed on the same machine where Database Conversion Workbench is installed
  - Required to connect to Oracle databases
- **DB2/ IBM db2 Warehouse JDBC driver (required for access to DB2/IBM Db2 Warehouse databases)**
  - Download the driver from here: IBM Data Server Driver for JDBC and SQLJ (JCC Driver)
  - Download it on your computer

Download Database Conversion Workbench Full-Client

1. Download Database Conversion Workbench from IBM Database Conversion Workbench.
2. Select the latest Database Conversion Workbench version.
3. Select IBM_DCW_Full_Client_<platform>_<version>.zip
   - Eg. *IBM_DCW_Full_Client_Windows_4.0.zip*
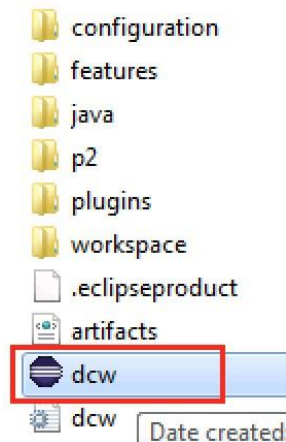4. Extract the contents of the .zip file to a chosen directory.

To learn more about the Database Conversion Workbench usage and functionality, go to heading **Quick Start Guide**.

Quick Start Guide

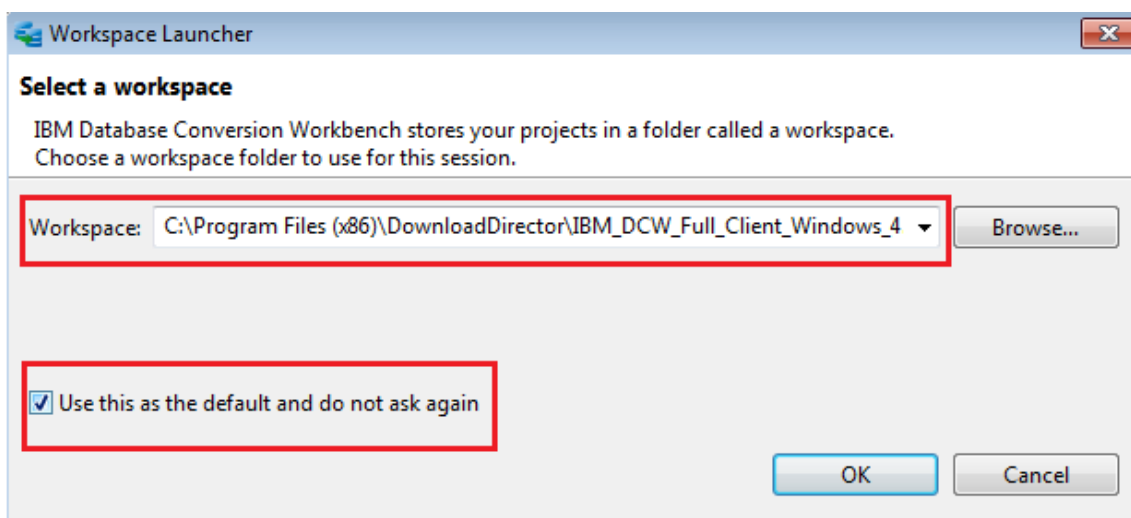In this section, you will learn how to quickly get started using Database Conversion Workbench with your database.

Start the application

Go into the folder where you extracted the zip file contents and you will see the executable named **dcw**. Double-click on the **dcw** executable.
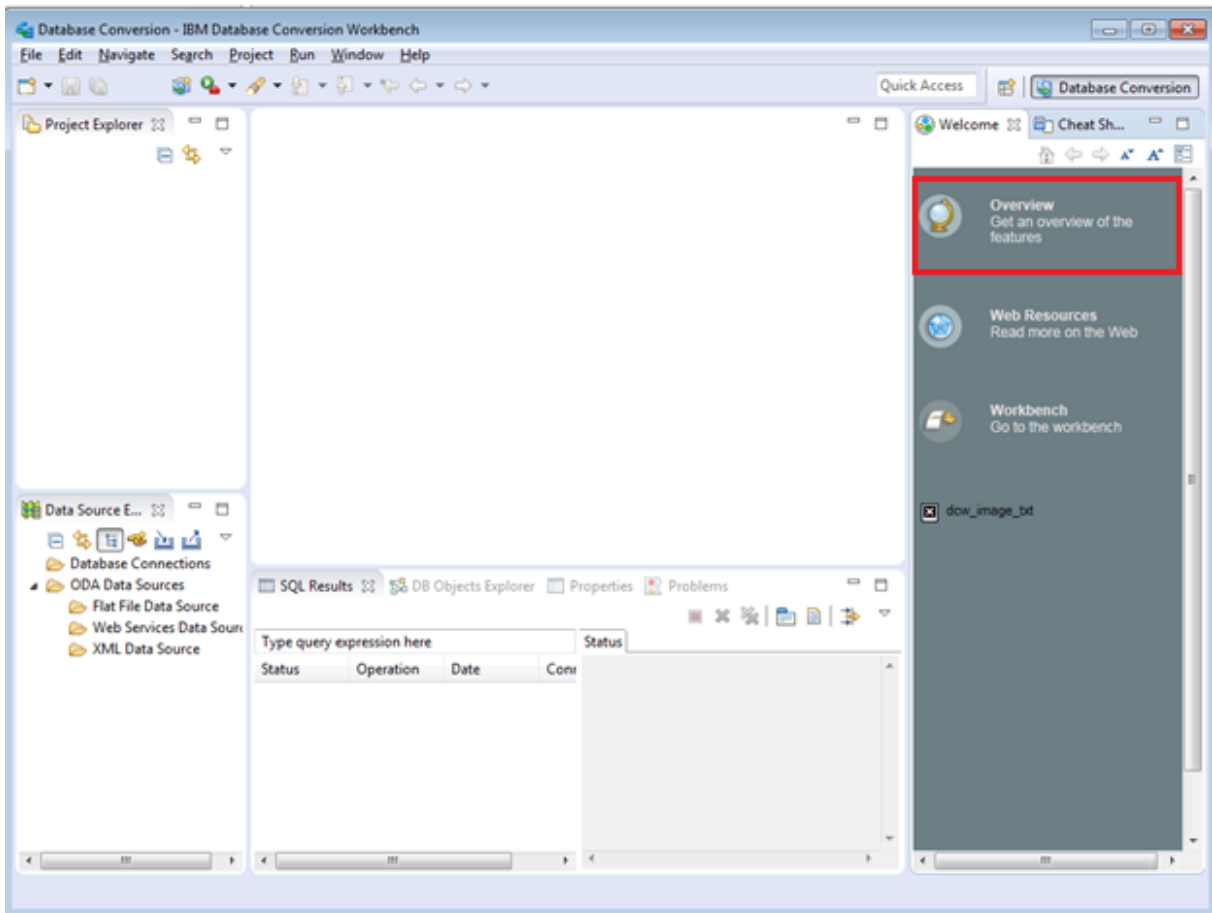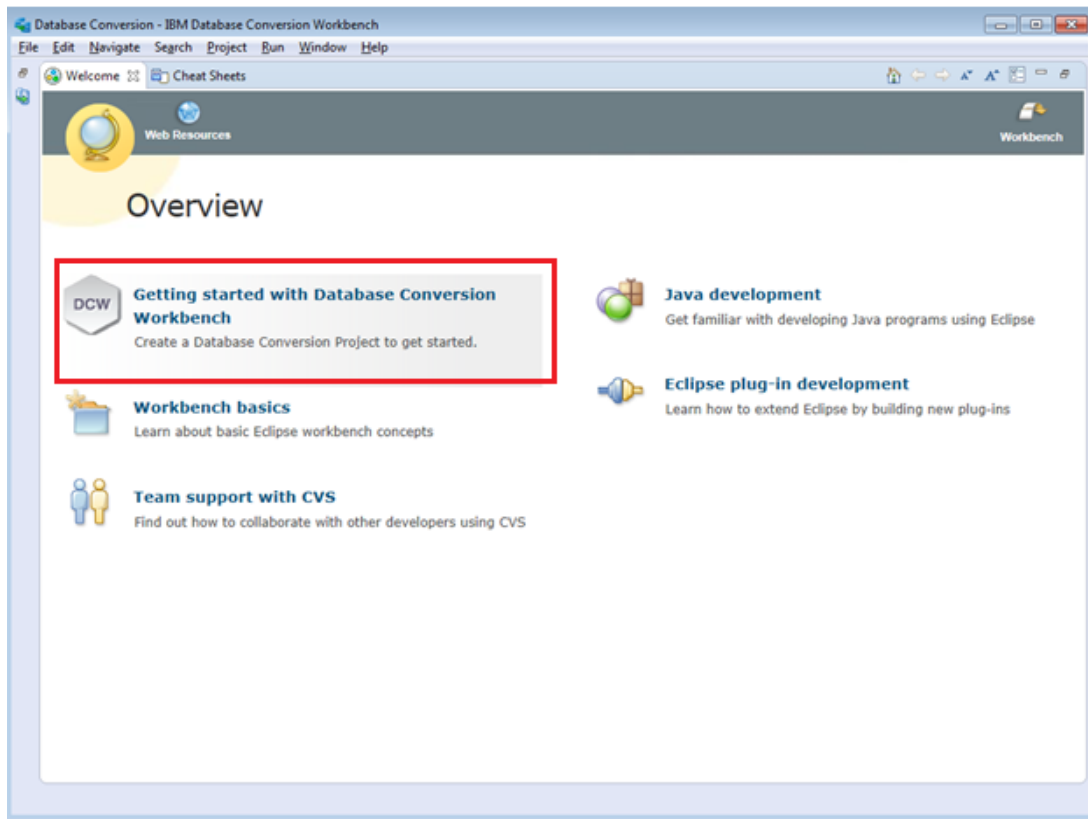

Choose a Workspace

You will be asked to choose a directory where your workspace is created. The workspace is where all files and projects you create will be stored. Click OK to continue.
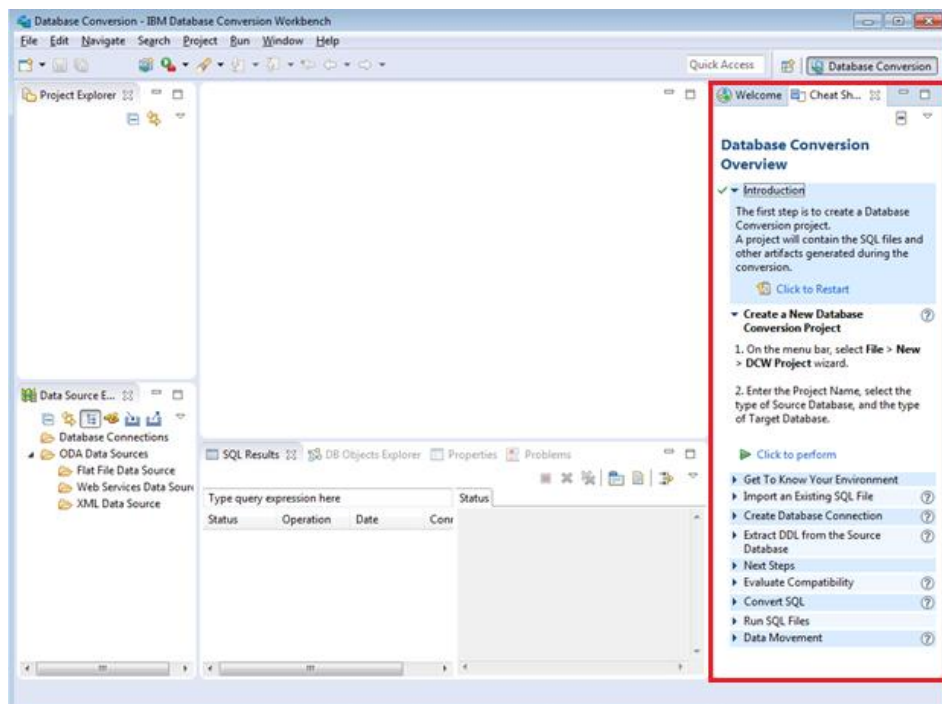
Welcome Page

Once you've chosen a workspace, Database Conversion Workbench will open up and you will see a Welcome Screen. On the Welcome Screen, **Overview Page**, Click on **Getting started with Database Conversion Workbench**.

On the right-hand side, you will see a Cheat Sheet, which describes how to start using Database Conversion Workbench. We suggest that you complete the Cheat Sheet to get familiar with the environment and how to use the database conversion functions.
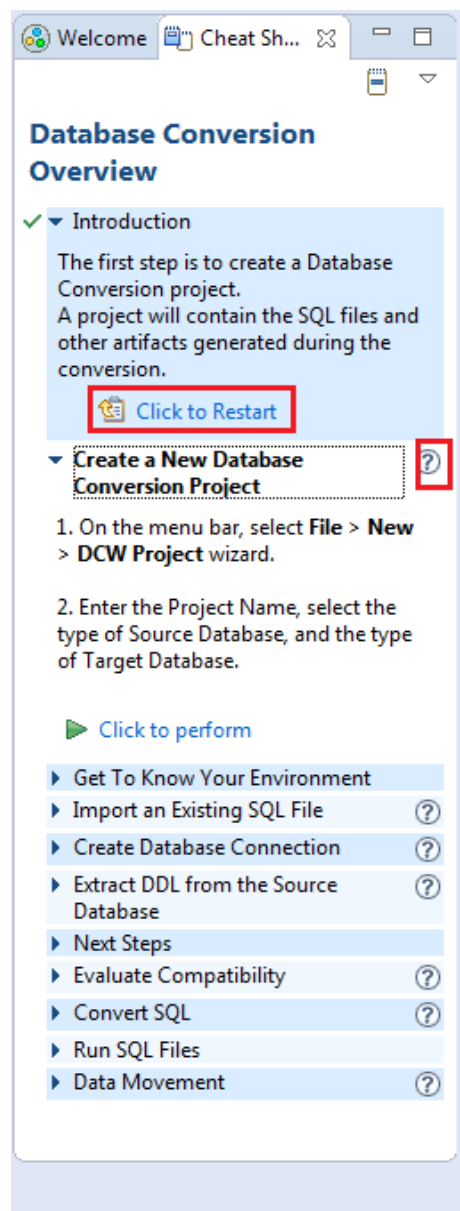
Working with Cheat Sheet

To start working with the cheat sheet, click on "Click to Restart".

To navigate the cheat sheet, finish a certain task and it will be automatically marked as completed.
Continue through the tasks by performing one of the commands you come across:

- Click to perform
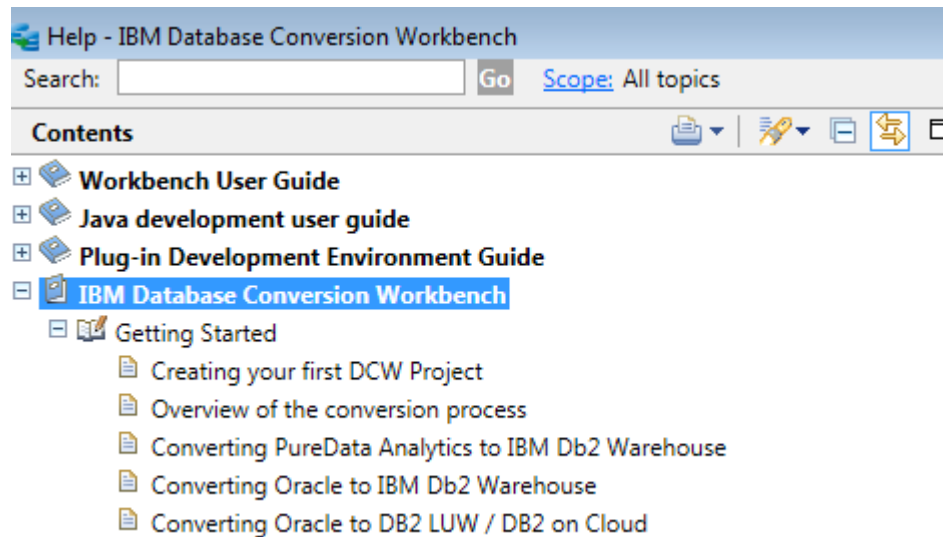- Click when complete
- Click to skip

To learn more information about a task, you will see a question mark near the task heading. Clicking on the question mark will redirect you to the Help page.
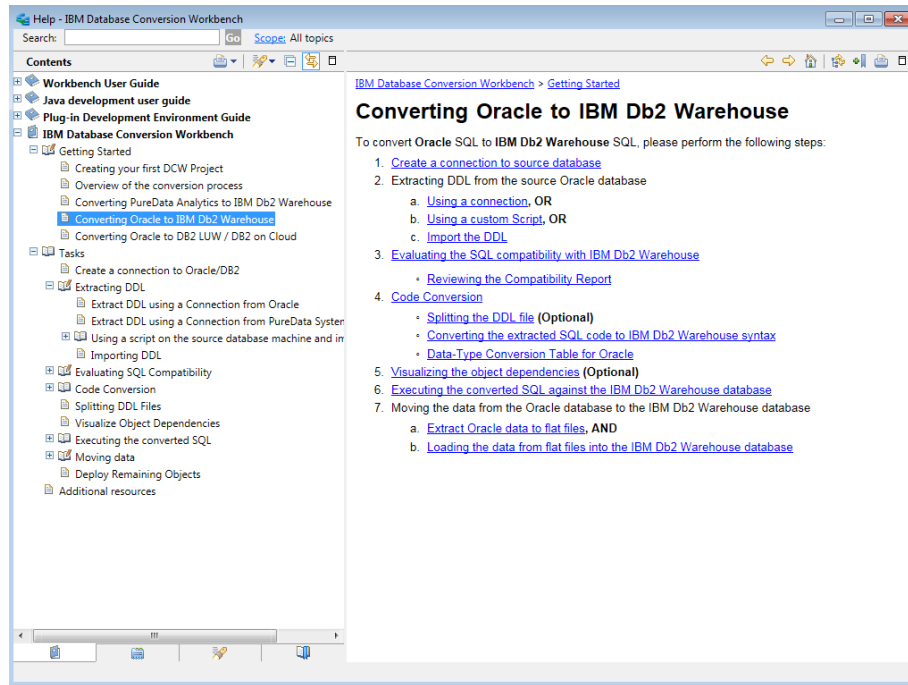
3 Access the Help System

Database Conversion has detailed step-by-step information on how to use its many features. Follow these steps on how to navigate the Help system.

1. Once your Database Conversion application is launched, on the menu bar, select **Help** > **Help Contents**
2. This will display the window titled **Help – IBM Database Conversion Workbench.** Select the plus (+) sign on the last item titled **IBM Database Conversion Workbench**
3. You will see many subtitles within the main item **IBM Database Conversion Workbench**. Within each sub-item, you can find extensive details on a task.

a. For example, if you want to find details on how to convert the database from Oracle to IBM Db2 Warehouse, you would double-click on the following items sequentially:
   i. *IBM Database Conversion Workbench*
   ii. *Getting Started*
   iii. *Converting Oracle to* IBM Db2 Warehouse – this will provide you details (ie. Further links or information on how to perform this task). When you click on a link it will redirect you to one of the pages within this Help system.

Converting Oracle to IBM Db2 Warehouse

To convert **Oracle** SQL to **IBM Db2 Warehouse** SQL, please perform the following steps:

1. Create a connection to source database
2. Extracting DDL from the source Oracle database
    a. Using a connection, **OR**
    b. Using a custom Script, **OR**
    c. Import the DDL
3. Evaluating the SQL compatibility with IBM Db2 Warehouse
    - Reviewing the Compatibility Report
4. Code Conversion
    - Splitting the DDL file **(Optional)**
    - Converting the extracted SQL code to IBM Db2 Warehouse syntax
    - Data-Type Conversion Table for Oracle
5. Visualizing the object dependencies **(Optional)**
6. Executing the converted SQL against the IBM Db2 Warehouse database
7. Moving the data from the Oracle database to the IBM Db2 Warehouse database
    a. Extract Oracle data to flat files, **AND**
    b. Loading the data from flat files into the IBM Db2 Warehouse database

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