



Installation instructions are provided for Windows, Ubuntu, and Mac OS.

Java

The software requires Java, preferably a 64-bit version of Oracle JRE 8.

- On Windows, download and install Java from here: <https://java.com/en/download/manual.jsp>
- On Ubuntu, install Java with the following commands:
 - `sudo add-apt-repository ppa:webupd8team/java`
 - `sudo apt update`
 - `sudo apt install oracle-java8-installer`
- On Mac OS, check your Java version on a Terminal with:
 - `java -version`
 - if your version does not match the requirements, download and install Java from here: <https://java.com/en/download/manual.jsp>

MySQL

- On Windows, download and install MySQL from here: <https://dev.mysql.com/downloads/mysql/>
- On Ubuntu, install MySQL with the following command:
 - `sudo apt install mysql-server`
- On Mac OS, download and install MySQL from here: <https://dev.mysql.com/downloads/mysql/>

During installation, you will be asked to set your root password for MySQL.

Creating a MySQL user

- Open a terminal or command-line window and execute:
 - `mysql -u root -p`
 - Provide your root password to login to mysql.
- On the MySQL prompt, execute the following commands:
 - `CREATE USER 'aid'@'localhost' IDENTIFIED BY 'aid';`
 - `GRANT ALL PRIVILEGES ON *.* TO 'aid'@'localhost';`

From now on, you should connect to MySQL with user **aid** and password **aid**.

Pentaho Data Integration

- Download the latest version of Pentaho Data Integration (PDI) from here: <https://sourceforge.net/projects/pentaho/files/Data%20Integration/>
- In your home directory, create a new folder called “Pentaho”.
- Unzip PDI to the “Pentaho” folder. A sub-directory called “data-integration” will be created.
- On Ubuntu, install the following additional package: `sudo apt install libwebkitgtk-1.0-0`

MySQL driver

- Download the MySQL JDBC driver from here:
<https://dev.mysql.com/downloads/connector/j/>
- Unzip the file to the “Pentaho” folder.
- Copy the JAR file (mysql-connector-java-x.x.xx-bin.jar) to the folder:
Pentaho/data-integration/lib/

DataCleaner

- Download the latest version of DataCleaner from here:
<https://sourceforge.net/projects/datacleaner/files/datacleaner%20%28stable%29/>
- Choose DataCleaner-all.zip
- Unzip the file to the “Pentaho” folder.

DataCleaner plugin for PDI

- Open a terminal or command-line window and change to the directory:
Pentaho/data-integration
- Start PDI from the command line:
 - On Windows, run Spoon.bat
 - On Linux, run ./spoon.sh
 - On Mac OS, run ./spoon.sh
- In the Tools menu, select Marketplace
- In the Marketplace, search for DataCleaner
- Install DataCleaner Data Quality for Kettle version 6 or 7
- Restart PDI
- In the Tools menu, select DataCleaner configuration
- Browse to the directory where the file DataCleaner.jar is located

Alternative installation if the Marketplace functionality in PDI is not working:

- Open the Marketplace on the Web: <http://www.pentaho.com/marketplace/>
- Search for DataCleaner
- Select DataCleaner Data Quality for Kettle version 6
- Download the plugin
- Unzip the plugin to Pentaho/data-integration/plugins
- Start (or restart) Spoon
- In the Tools menu, select DataCleaner configuration
- Set the path to the directory where DataCleaner is installed in your system (i.e. the directory where DataCleaner.jar is located).

Pentaho Schema Workbench

- Download the latest version of Pentaho Schema Workbench from here: <https://sourceforge.net/projects/mondrian/files/schema%20workbench/>
- Unzip the file to the “Pentaho” folder.
- Copy the MySQL JDBC driver (mysql-connector-java-x.x.xx-bin.jar) to the folder: Pentaho/schema-workbench/drivers/

Saiku Analytics (Community Edition)

- Download Saiku CE from here: <http://community.meteorite.bi/>
- Unzip the file to the “Pentaho” folder.
- Open a terminal or command-line window and run the following command:
 - On Windows, run start-saiku.bat
 - On Linux, run ./start-saiku.sh
 - On Mac OS, run ./start-saiku.sh
- Open a Web browser and navigate to: <http://localhost:8080/>
 - The first time you open this address, it may take a few minutes to load.
- Try to login with admin/admin, and you will be asked for a license.
- Go to <http://licensing.meteorite.bi/> and sign up with a new username and password
- After logging in, create a new company (Company Name: Instituto Superior Tecnico)
- Then create a new license (License Type: COMMUNITY_EDITION)
- Finally, download the license file.
- Go to <http://localhost:8080/upload.html> and upload the license file.
- Go back to <http://localhost:8080/> and you should now be able to login with admin/admin

Pentaho Report Designer

- Download the latest version of Pentaho Report Designer from here: <https://sourceforge.net/projects/pentaho/files/Report%20Designer/>
- Unzip the file to the “Pentaho” folder.
- Copy the MySQL JDBC driver (mysql-connector-java-x.x.xx-bin.jar) to the folder: Pentaho/report-designer/lib/jdbc/