# Installation of Pentaho Software

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This document provides details about downloading and installing Pentaho software:

➢ **Step 1. Install the Java Dependencies (JDK 8, NOT JDK 11 or other higher versions).**

➢ **Step 2. Set Up the Environment Variables.**

➢ **Step 3. Download and Install Pentaho Software**

  ✧ **Pentaho Server**

  ✧ **Pentaho Data Integration**

  ✧ **Pentaho Schema Workbench**

## Step 1: Install the Java Dependencies If Required

To run Pentaho, Java Runtime Environment and Java Development Kit are required. To check if you already have these installed, go to this path in your file explorer (for Windows system):
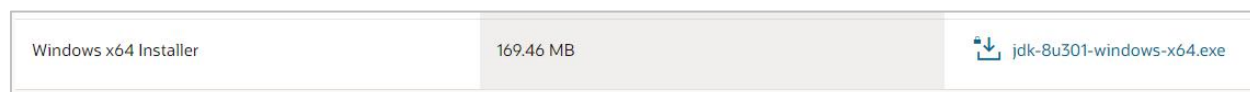
C:\Program Files\Java Or C:\Program Files (x86)\Java

If this folder exists and contains folders like "jdk1.8.0_301" and "jre1.8.0_301" as follows, then you have the required files.
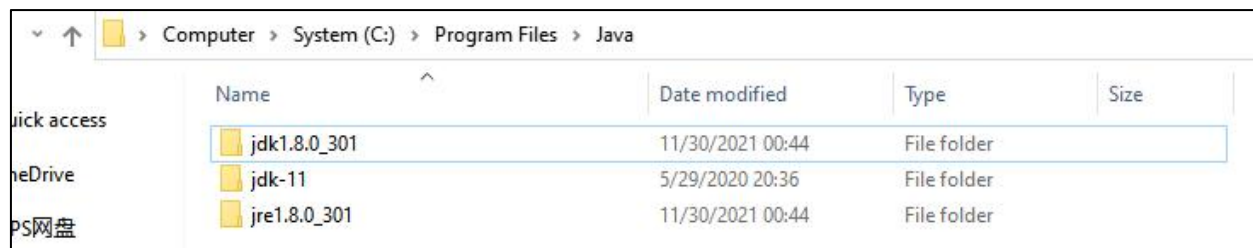


If this folder doesn't exist or you don't see one or both of these folders, then you need to download JDK 1.8. To download JDK 1.8, go to this link:

https://www.oracle.com/java/technologies/javase/javase8u211-later-archive-downloads.html



and download "jdk-8u301-windows-x64.exe". You need an Oracle account to log in when downloading the JDK. After download the jdk, you run the installer to install JDK 1.8 and JRE 1.8. (Notice that JRE 1.8 is included in JDK 1.8, you will install JRE 1.8 when installing JDK 1.8). After successful installation, you can find the following two folders: "jdk1.8.0_301" and "jre1.8.0_301"
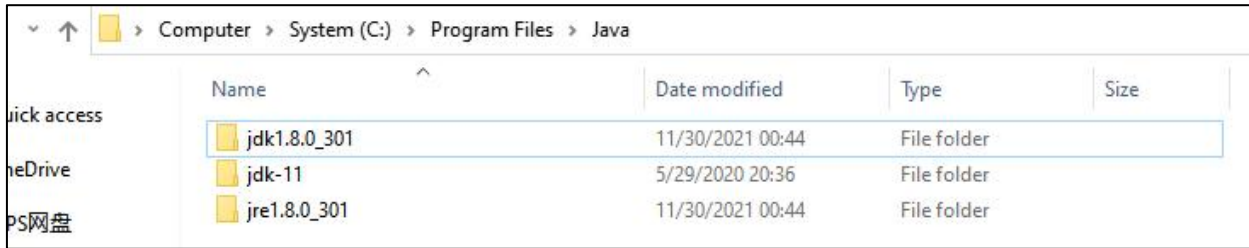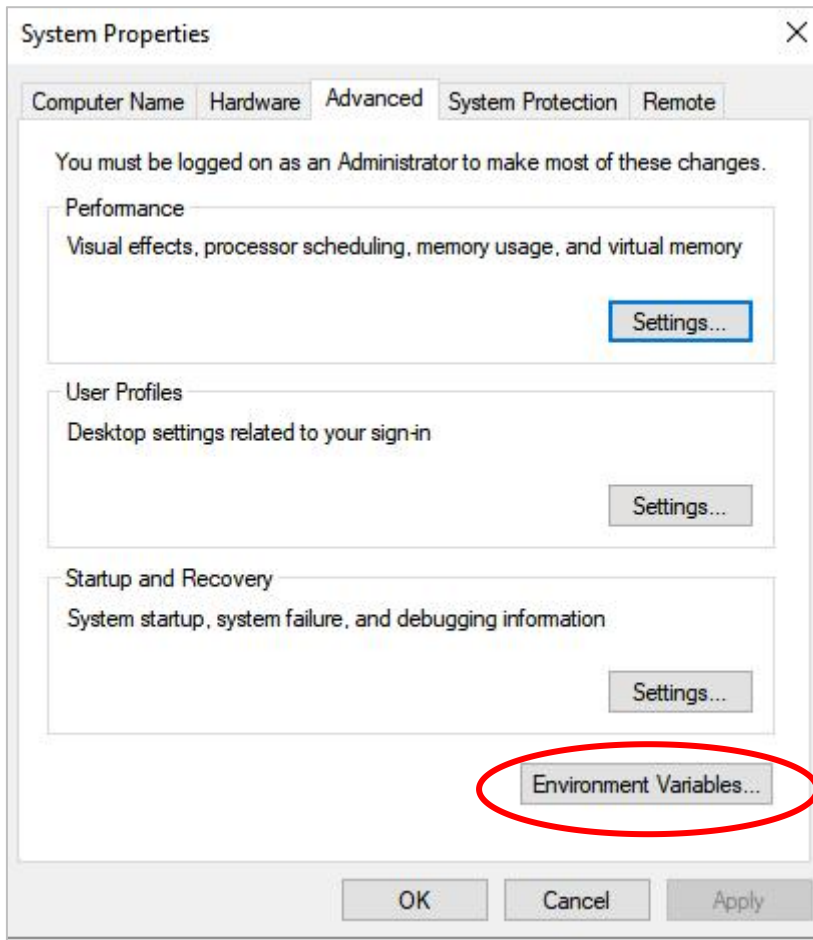
## Step 2: Set Up the Environment Variables

The easiest way to open the environment variables menu is to type in "environment variables" in the Windows search bar like this:
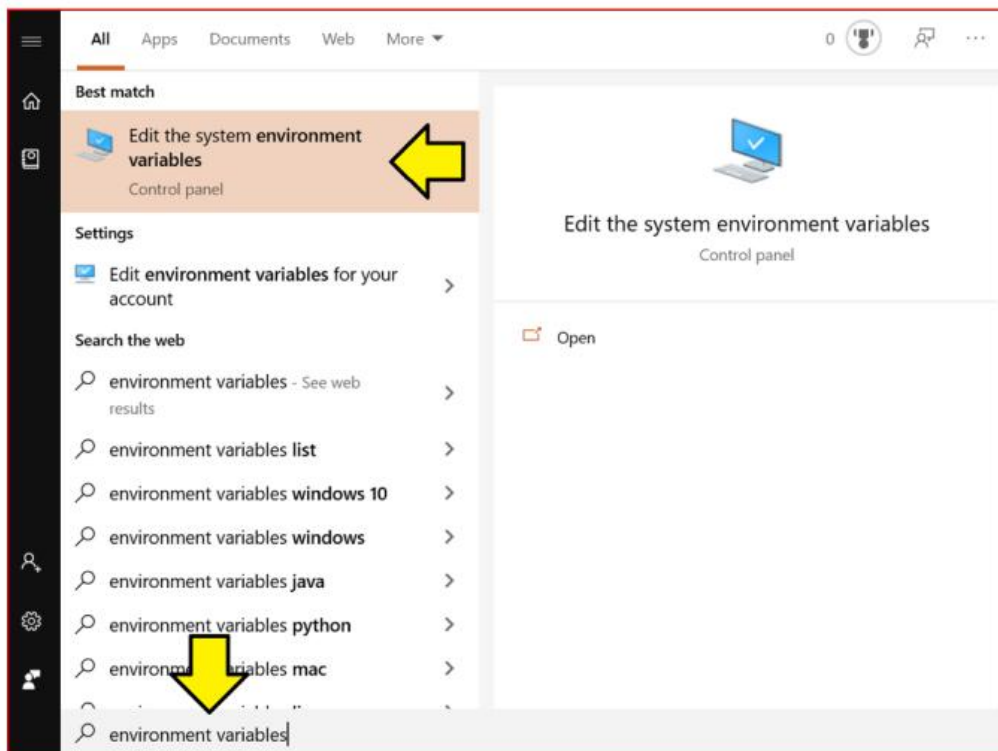


Click the "Edit the system environment variables" option. That will open the "System Properties" window. Click the "**Environment Variables…**" button at the bottom.

That will open a window that looks like this:
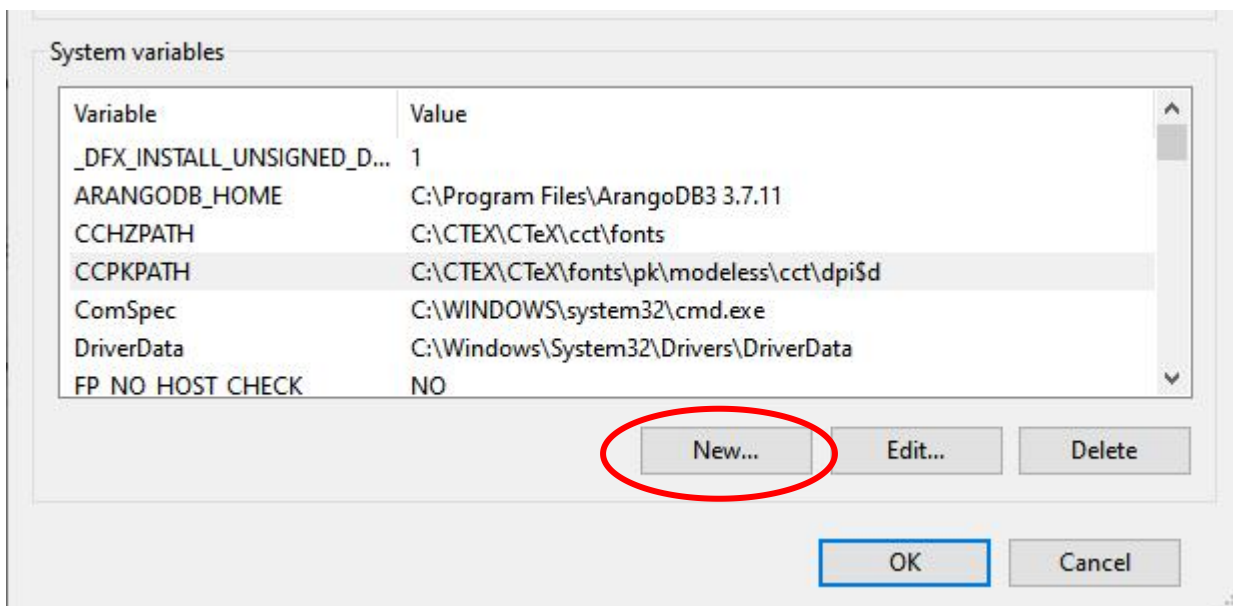


Click the "**New…**" button under "System variables" and enter the following three new System variables:

✓ PENTAHO_JAVA_HOME: C:\Program Files\Java\jre1.8.0_301

✓ PENTAHO_JAVA: C:\Program Files\Java\jre1.8.0_301\bin\java.exe

✓ JAVA_HOME: C:\Program Files\Java\jdk1.8.0_301

Make sure your variable value file path is the same one on your computer.

## Step 3: Download and Install Pentaho Software

### (1) Download the software

You should install the community edition of Pentaho. The latest version (9.2.0.0) is available from the SourceForge website.

- Go to https://sourceforge.net/projects/pentaho/
- Click "Files" tab

- Click "Pentaho-9.2" folder

- Click "server" directory



- Click "pentaho-server-ce-9.2.0.0-290.zip" to download the Pentaho Server

- Go back to the "Pentaho-9.2" directory and click "client-tools"



- Click "pdi-ce-9.2.0.0-290.zip" and "psw-ce-9.2.0.0-290.zip" to download the Pentaho Data Integration and Pentaho Schema Workbench:

## (2) Install Pentaho Server

- Unzip the downloaded "pentaho-server-ce-9.2.0.0-290" file to any folder, you will get a pentaho-server folder.

- Windows users should copy the folder "pentaho-server" to the folder C:\Program Files\Pentaho. Mac and Linux users (including Oracle Virtual Box) may move the file to any folder.

- Run the file start-pentaho.bat by double clicking on it. If you get a permission error or cannot execute the bat file, you should right click and select "Run as Administrator". For Mac and Linux users, run the start-pentaho.sh from terminal
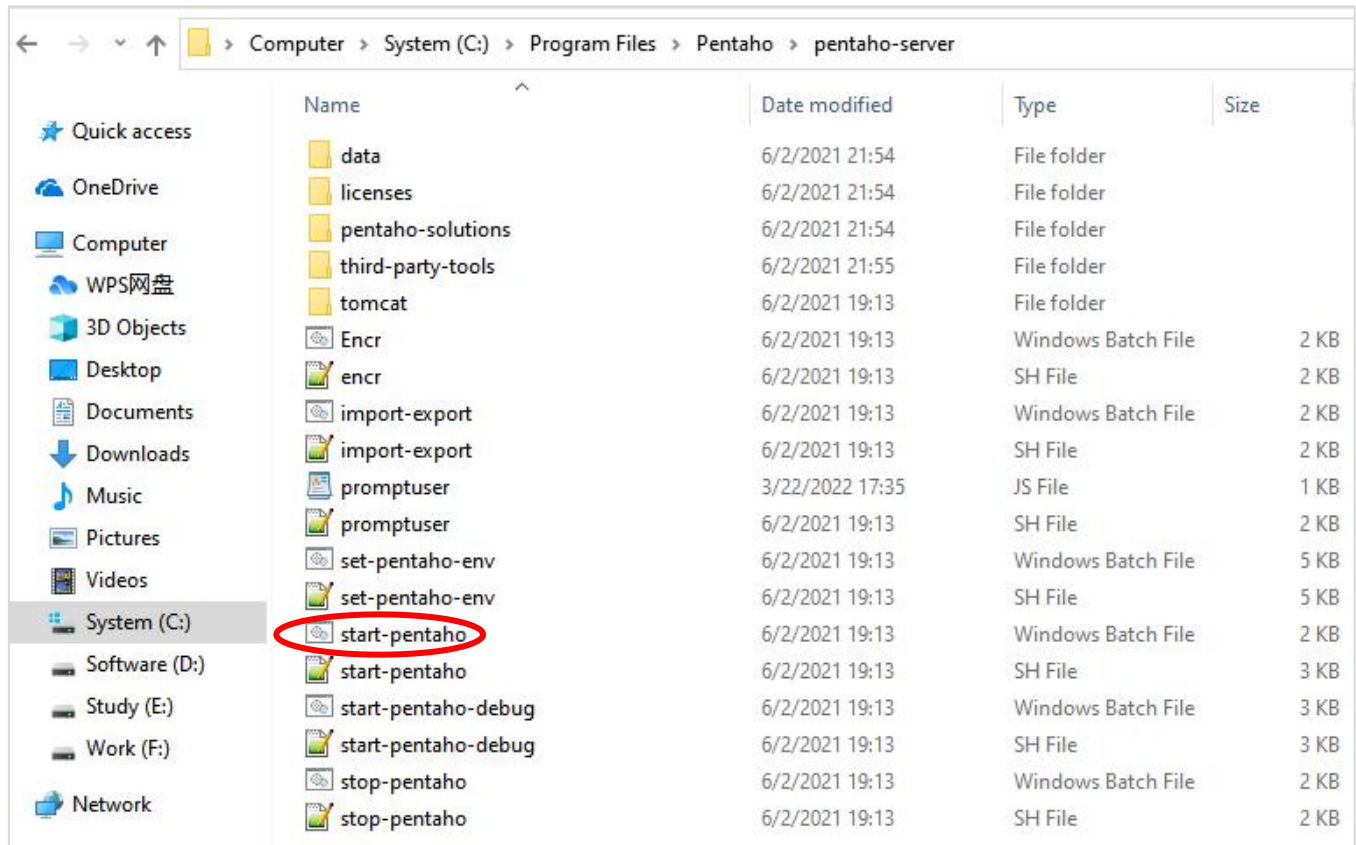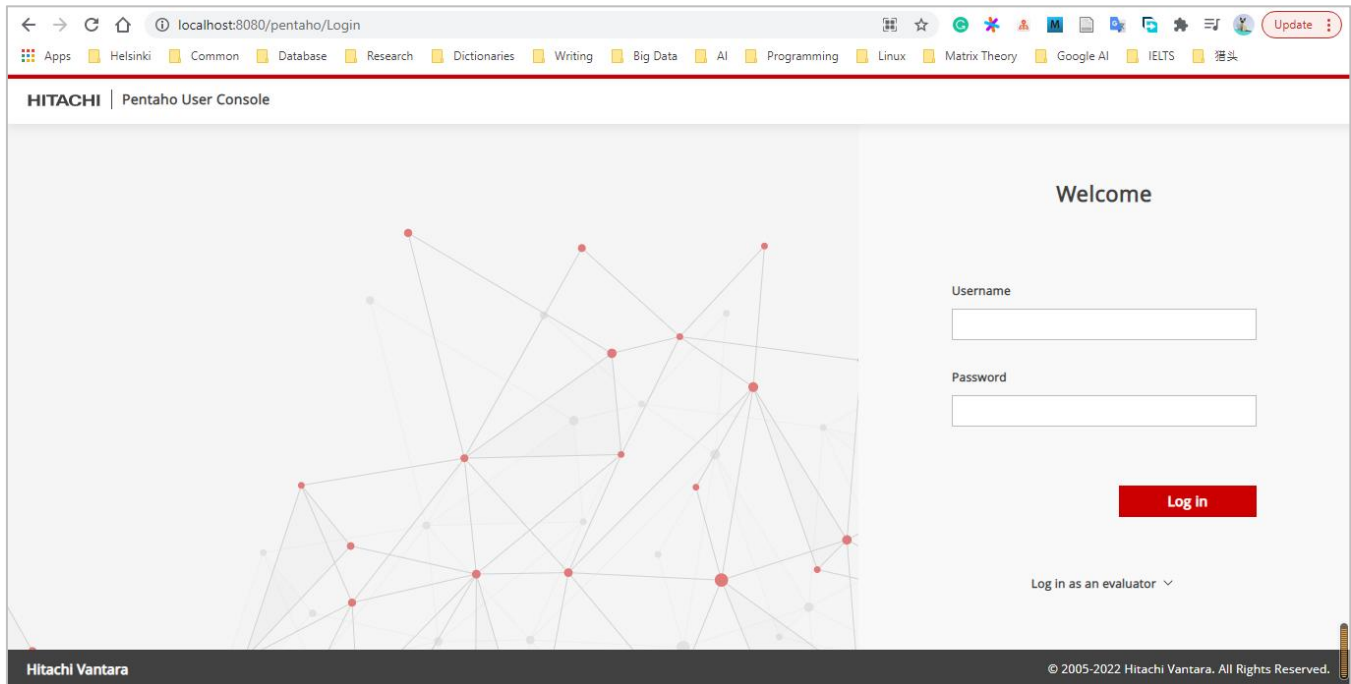
A window will be open as follows:



After about 7-10 minutes, the server will be started successfully.

Open a browser and input: http://localhost:8080/pentaho to open the Pentaho User Console as follows:



Input the username and password as follows:

- Username: admin

- Password: password
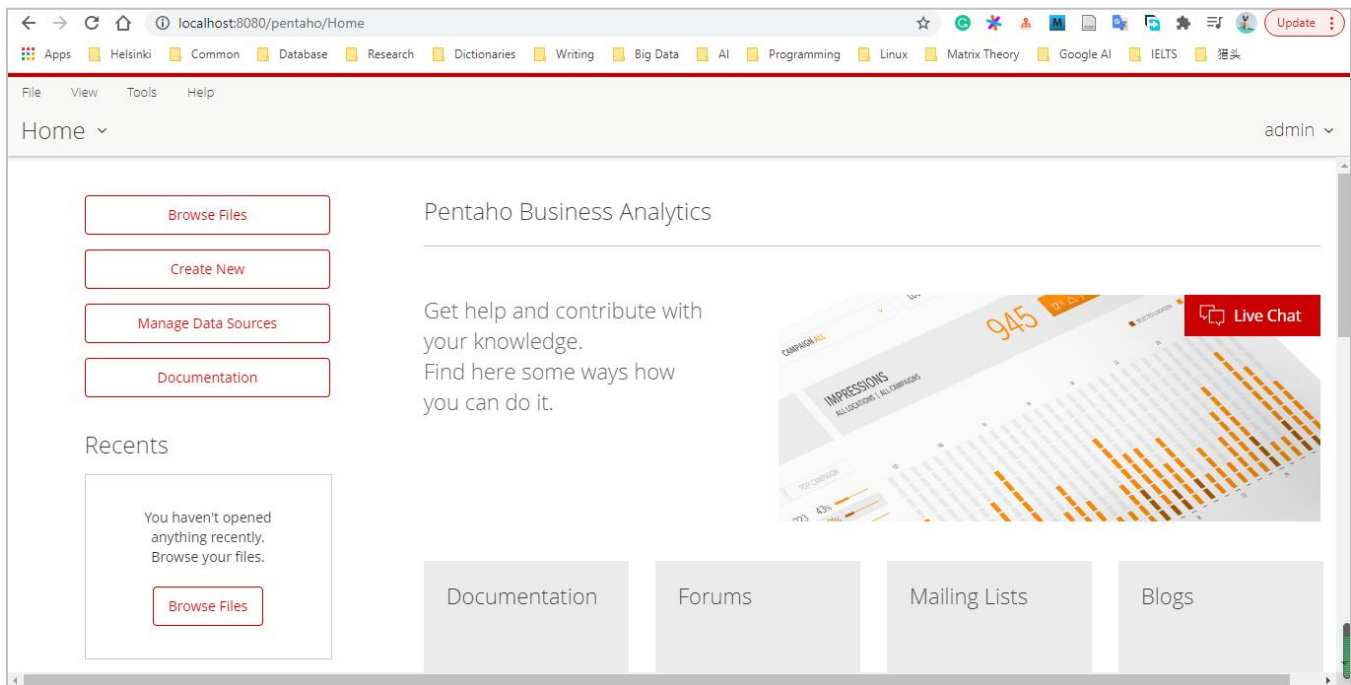


- Click Home Menu and then click "Marketplace"
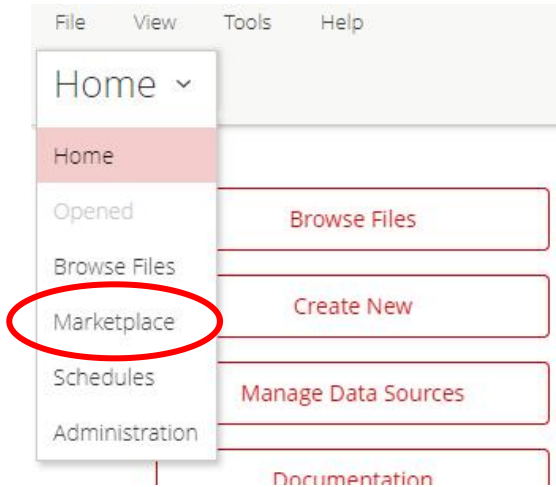
- In the opened window, click the install button of "Saiku Chart Plus" to install this tool.
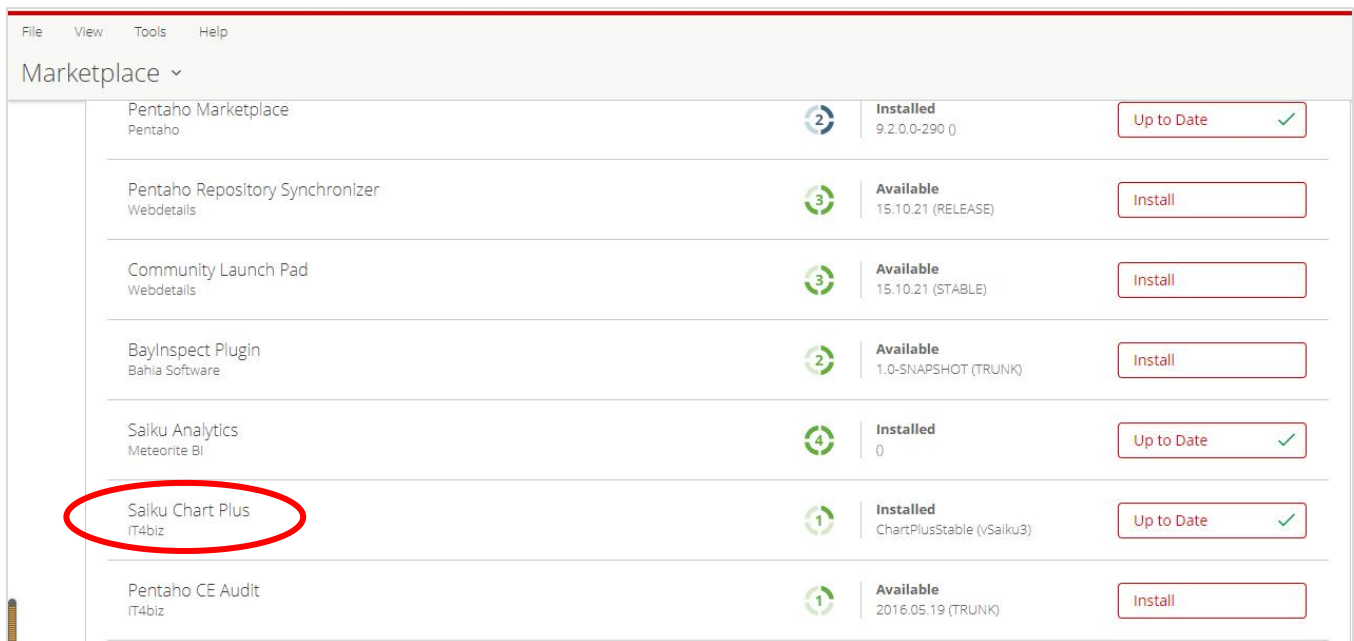


Notice that the Pentaho Community Edition does not support "Saiku Analytics" free, so we cannot directly install in this window.

- Download Saiku Analytics from https://github.com/ambientelivre/saiku-fix/releases, click saiku-fix-pentaho9.zip to download the file.
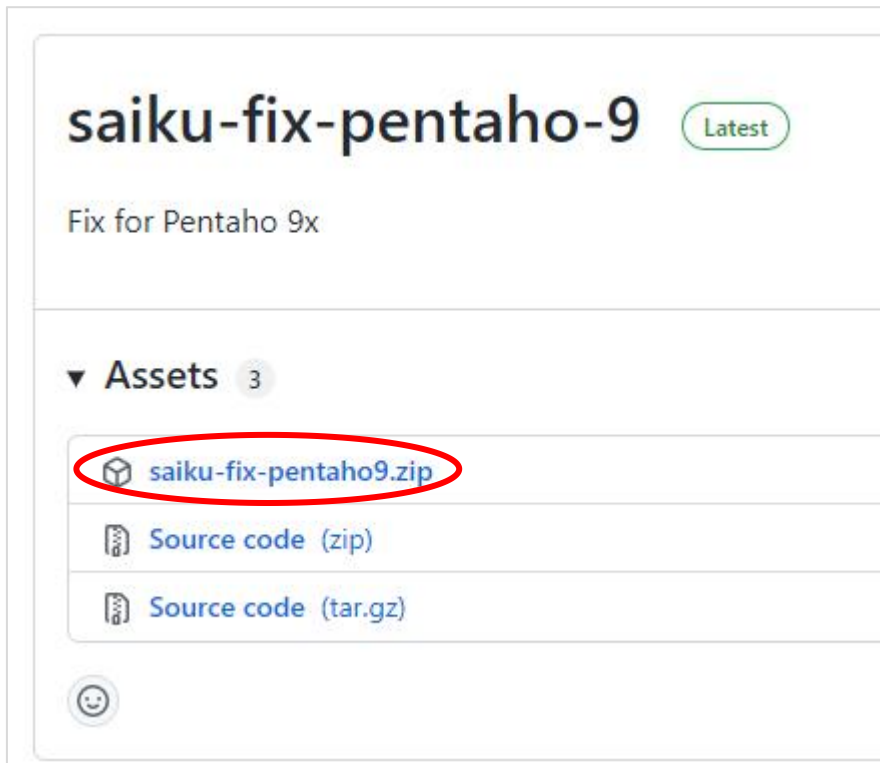
- Unzip the downloaded "saiku-fix-pentaho9.zip" file to any folder, you will get a saiku folder.

- Copy the folder saiku to the folder C:\Program Files\Pentaho\pentaho-server\pentaho-solutions\system.
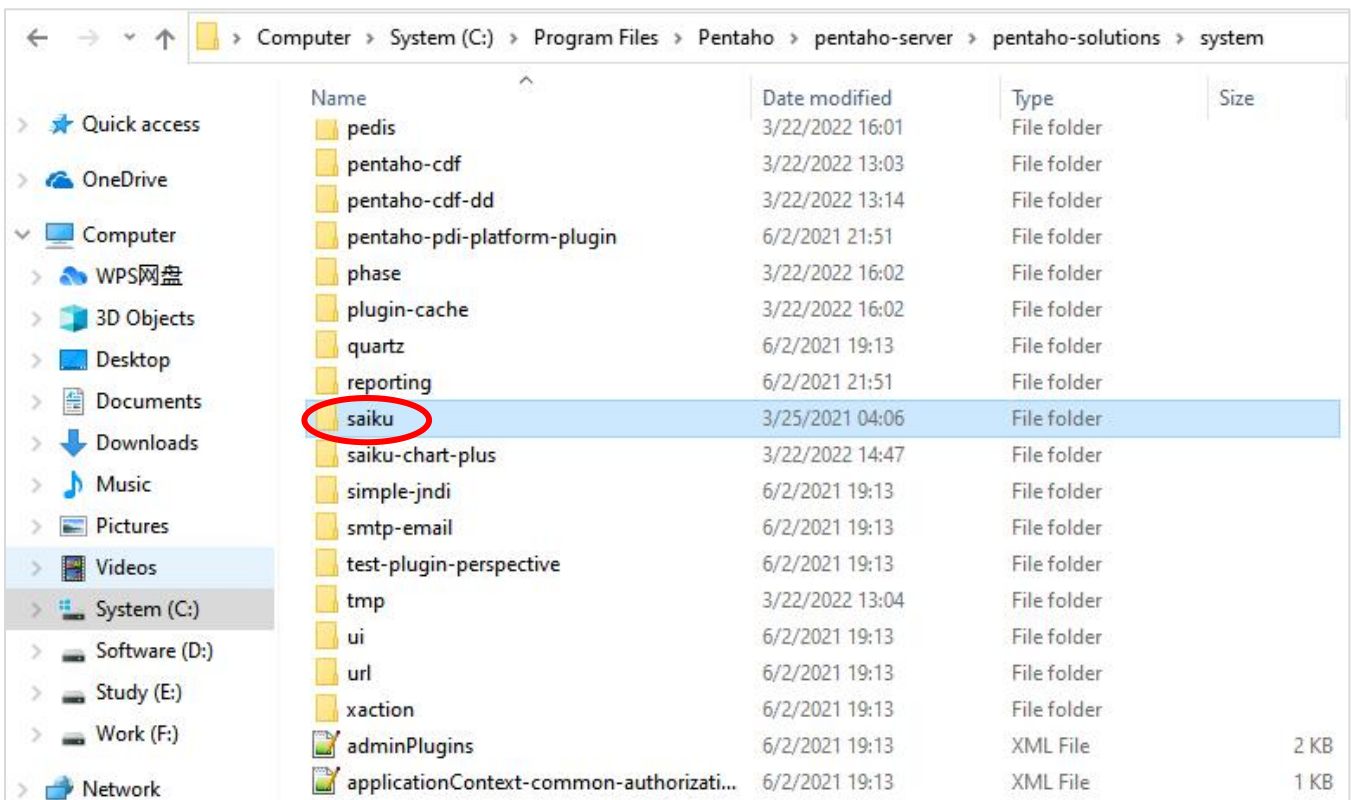


- Restart the Pentaho Server and login into the User Console, click "Create New" button, you will see Saiku Analytics, this means that you have successfully installed Saiku.

## (3) Install Pentaho Data Integration

- Unzip the downloaded "pdi-ce-9.2.0.0-290.zip" file to any folder, you will get a data-integration folder.

- Windows users should copy the folder "data-integration" to the folder C:\Program Files\Pentaho. Mac and Linux users (including Oracle Virtual Box) may move the file to any folder.

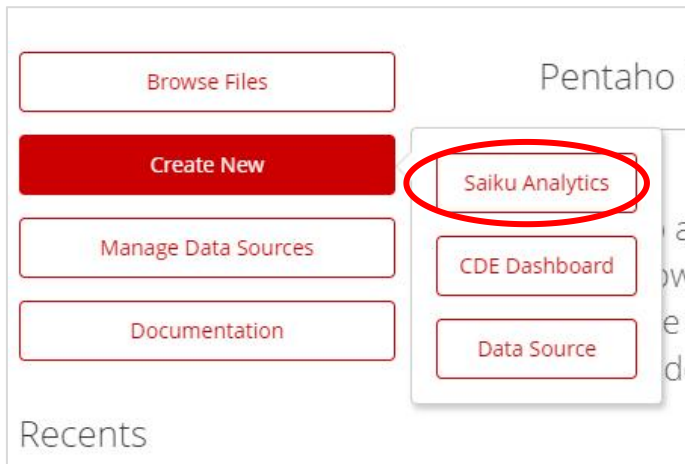- Run the file Spoon.bat by double clicking on it. If you get a permission error or cannot execute the bat file, you should right click and select "Run as Administrator". For Mac and Linux users, run the Spoon.sh from terminal.
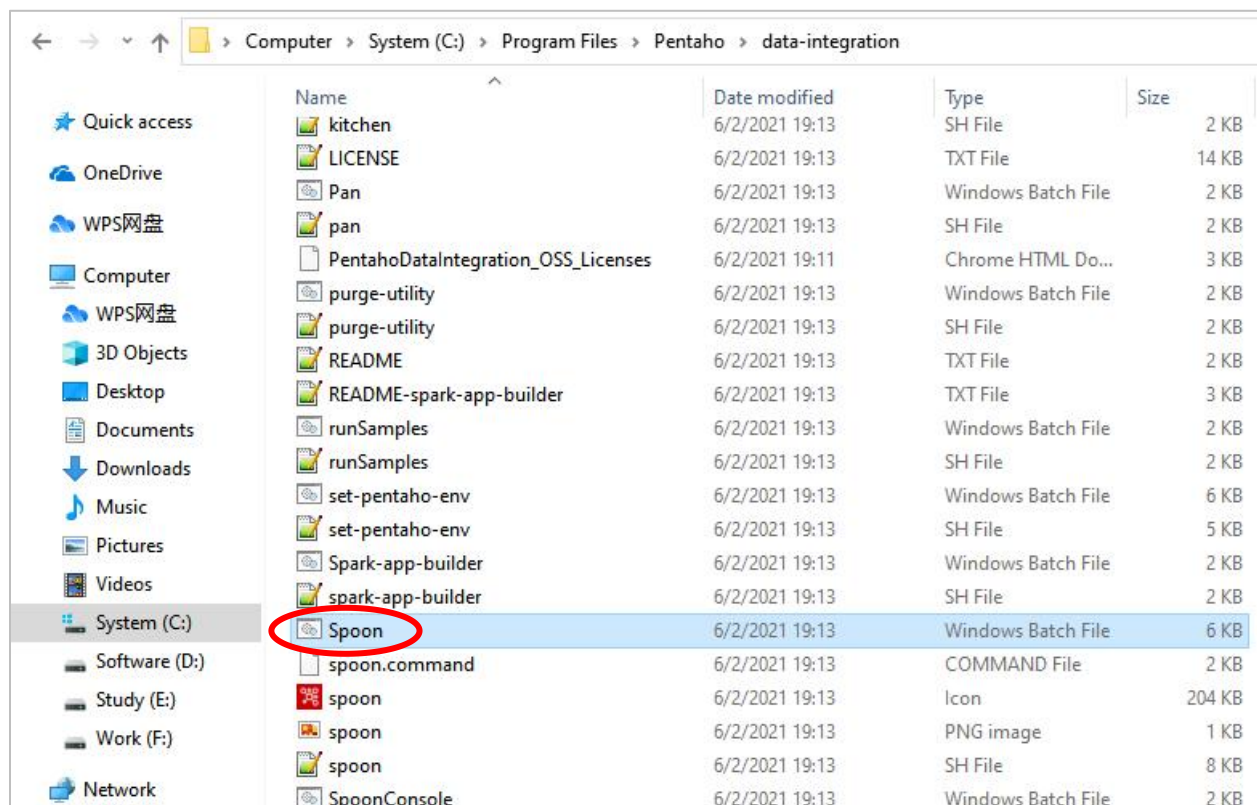
- After you launch Pentaho Data Integration, you will see the Welcome window and then the Spoon designer.
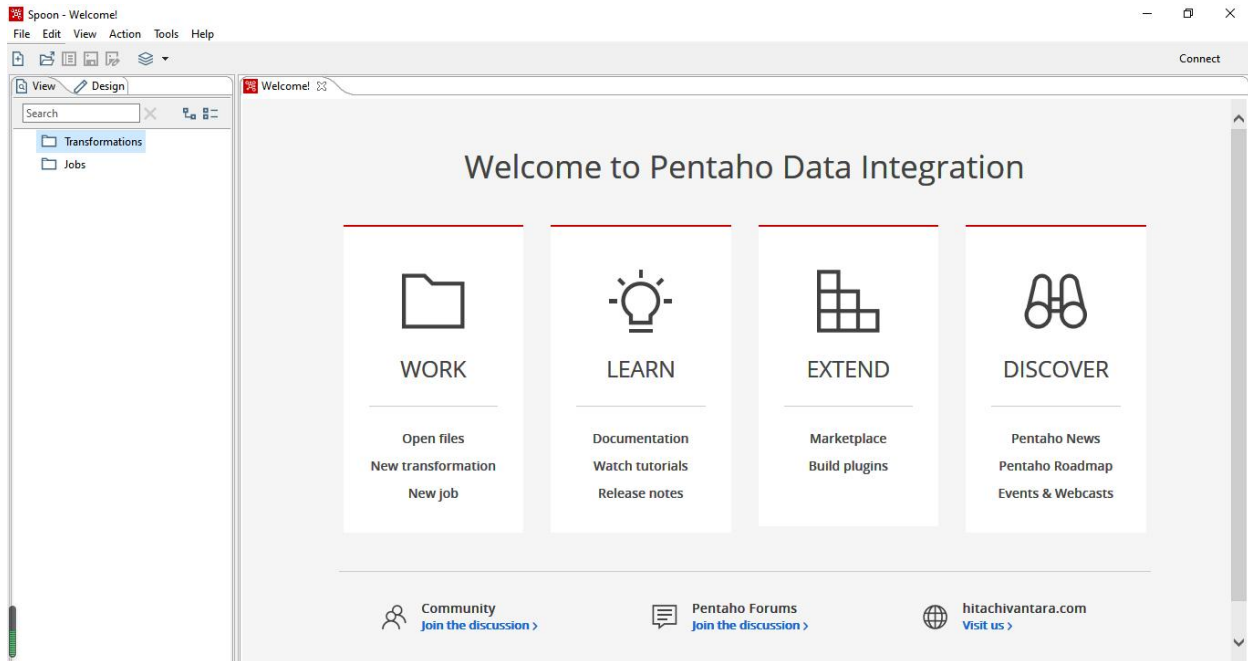


## (4) Install Pentaho Schema Workbench

- Unzip the downloaded "psw-ce-9.2.0.0-290" file to any folder, you will get a schema-workbench folder.

- Windows users should copy the folder "schema-workbench" to the folder C:\Program Files\Pentaho. Mac and Linux users (including Oracle Virtual Box) may move the file to any folder.

- Copy the postgresql-42.2.5.jar file from "C:\Program Files\Pentaho\data-integration\lib" to "C:\Program Files\Pentaho\schema-workbench\lib"

- Run the file workbench.bat by double clicking on it. If you get a permission error or cannot execute the bat file, you should right click and select "Run as Administrator". For Mac and Linux users, run the workbench.sh from terminal. Finally, you will open the Schema Workbench window as follows:
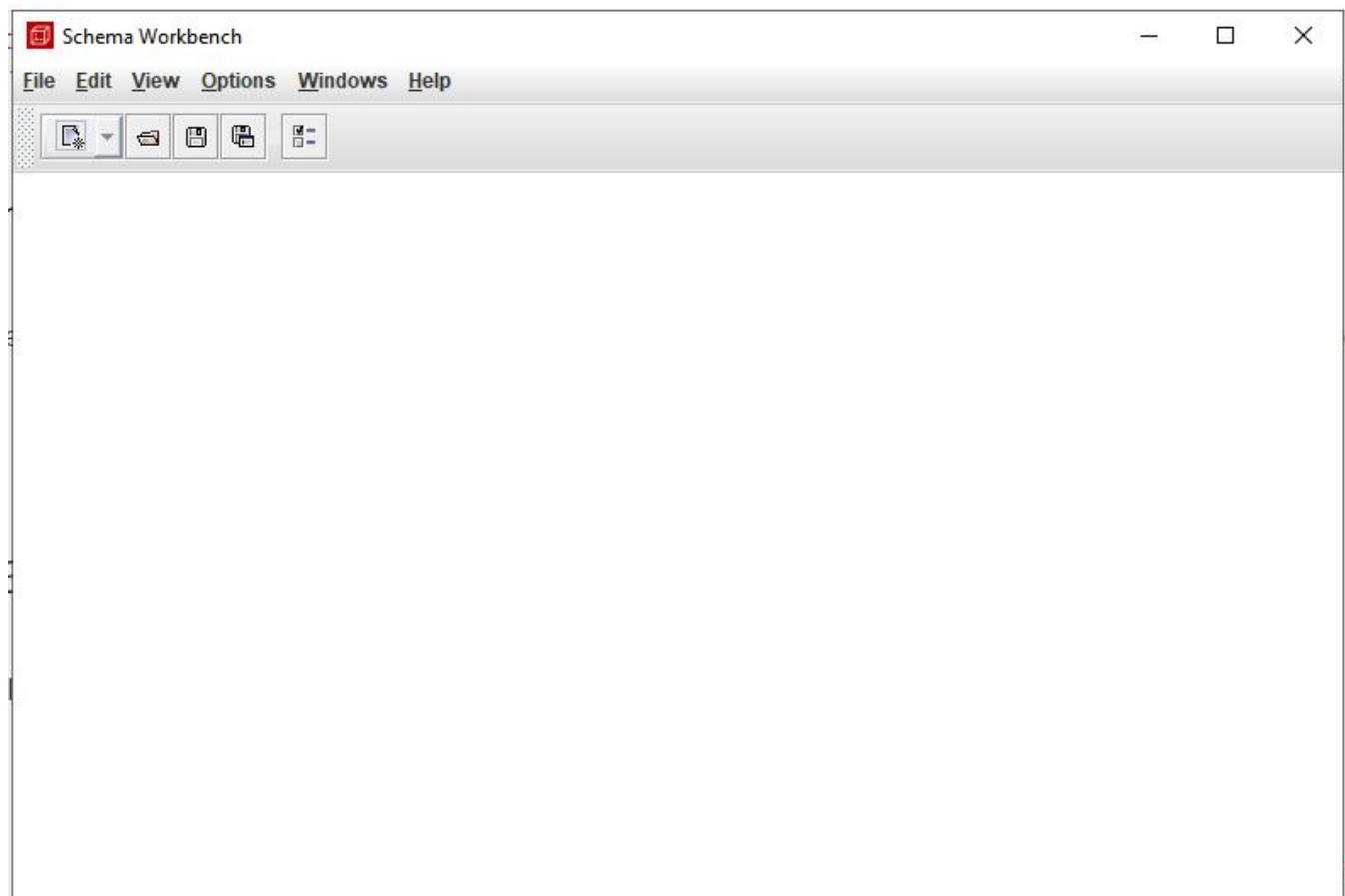
## About Running Errors

If you cannot open the software successfully, please refer to the document "Pentaho Installation Problems.pdf".