

In this tutorial, we cover the steps to install Pentaho Data Integration, part of Hitachi's Lumada portfolio, on your Microsoft Windows computer and to start the app.

WHITE PAPER

Pentaho Community Edition (CE) Installation Guide for Microsoft Windows

How To Install Pentaho Data Integration (CE) on Windows and Start the App

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Introduction

In this tutorial, we'll be going over the steps to install [Pentaho Data Integration, part of Hitachi's Lumada portfolio](#), on your Microsoft Windows computer and to start the app.

Prerequisites

- An [Oracle](#) account (for Java software).
- Windows 8 or 10 operating system.
- Permission to edit [environment variables](#) on your computer.
- Permission to download and install [Java](#).

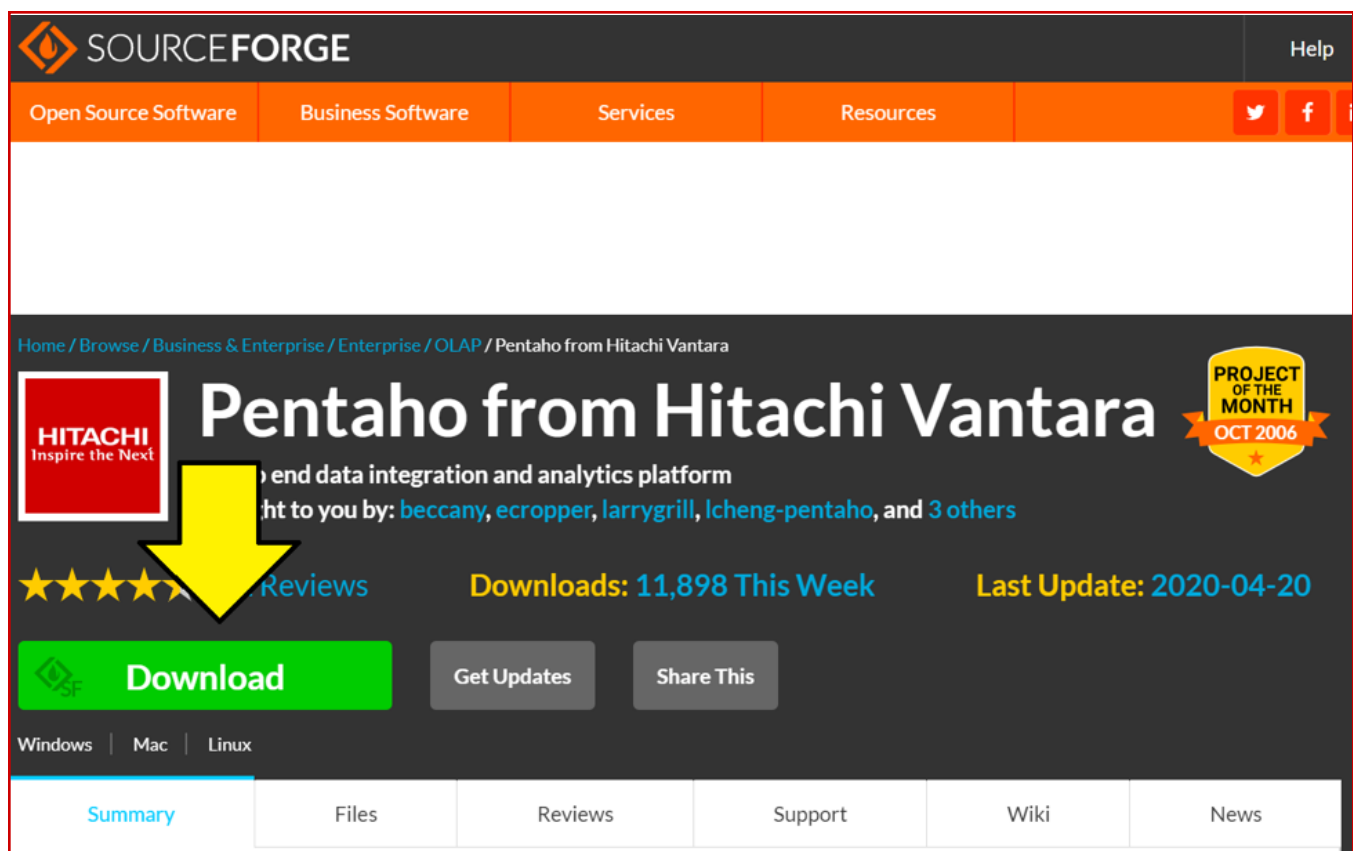
Full supported computing environments can be found [here](#).

Step 1. Download Pentaho Data Integration Software

The first thing we need is the Pentaho Data Integration software that we'll be working with.

You can download the files from this [link](#).

The page will look something like this:

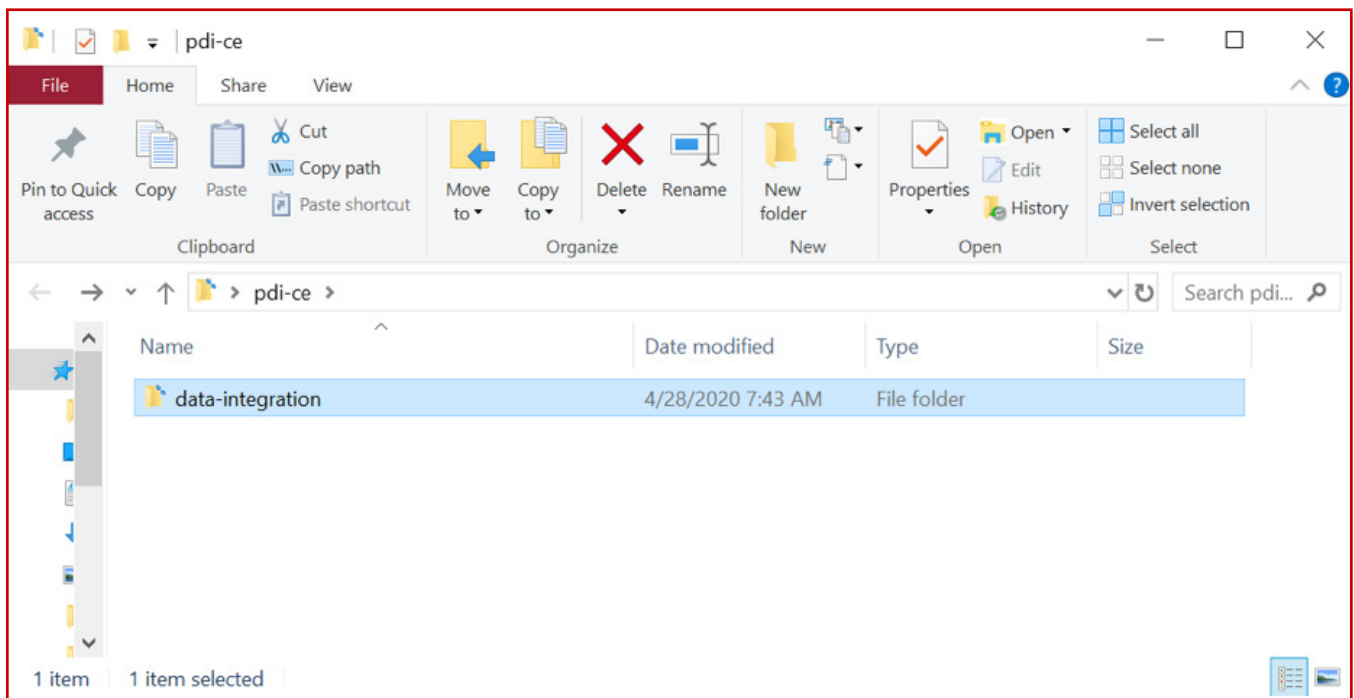


The screenshot shows the SourceForge project page for "Pentaho from Hitachi Vantara". The page has a dark header with the SourceForge logo and navigation links: "Open Source Software", "Business Software", "Services", and "Resources". A "Help" link is in the top right. Below the header is a large banner for the project. The banner includes the Hitachi logo with the tagline "Inspire the Next", the project name "Pentaho from Hitachi Vantara", and a description: "Open data integration and analytics platform". It also mentions "Brought to you by: beccany, ecropper, larrygrill, lcheng-pentaho, and 3 others". A yellow arrow points to the "Download" button. To the right of the arrow are "Reviews" (5 stars), "Downloads: 11,898 This Week", and "Last Update: 2020-04-20". Below the banner are buttons for "Download", "Get Updates", and "Share This". At the bottom, there are tabs for "Summary", "Files", "Reviews", "Support", "Wiki", and "News". A "PROJECT OF THE MONTH OCT 2006" badge is visible on the right side of the banner.

Press the "Download" button and to start a zip file download on your computer.

Once the zip file is done downloading, extract the files into a folder you can work with.

Your folder should look something like this:



Step 2. Install the Java Dependencies, if Required

To run Pentaho Data Integration, Java Runtime Environment and Java Development Kit are required.

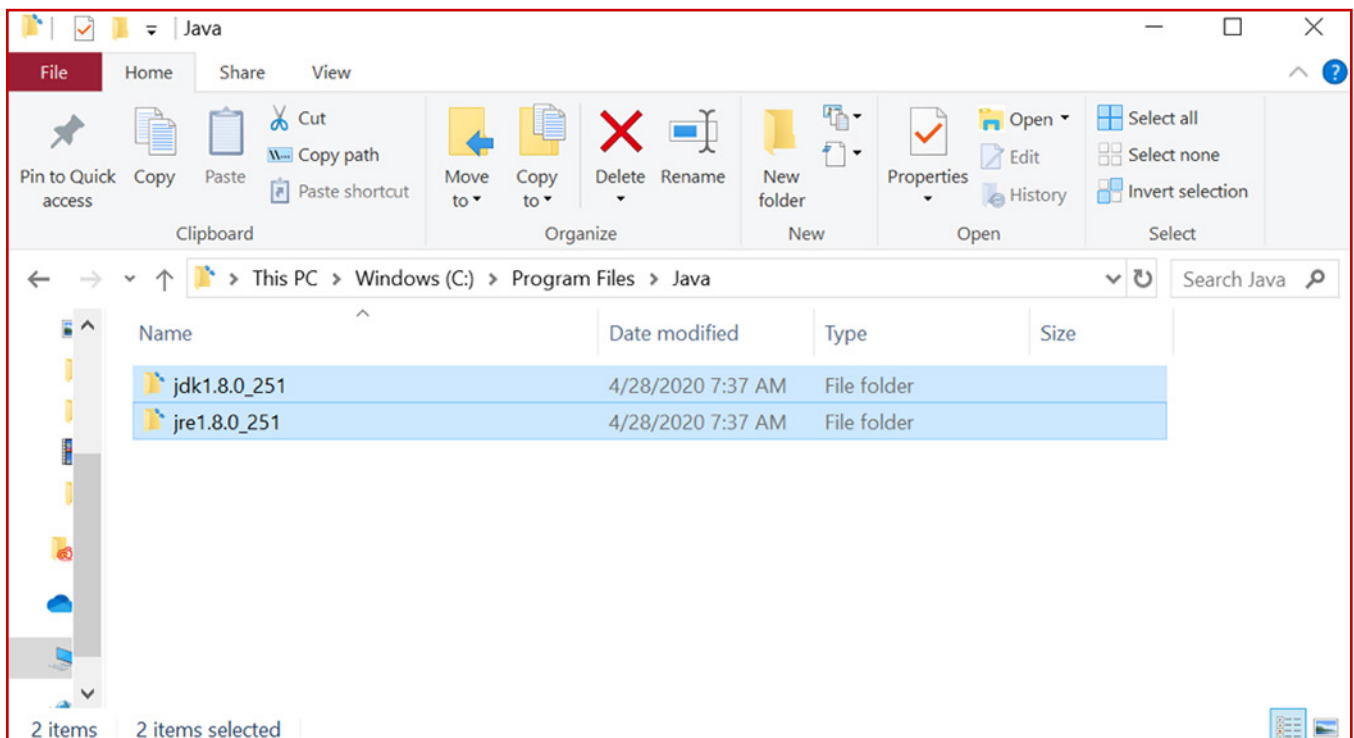
To check if you already have these installed, go to this path in your file explorer:

C:\Program Files\Java

Or:

C:\Program Files (x86)\Java

If this folder exists and you see folders that look like:



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 JRE and/or JDK.

To download JRE, go to this [link](#) and press "Download." Your page should look something like this:



The screenshot shows the Oracle Java website's download page. At the top is a red header with the Java logo on the left, a search bar on the right, and 'Download' and 'Help' links in the center. Below the header, on the left, is a sidebar with links for 'All Java Downloads', 'Report an issue', and 'Why am I always redirected to this page when visiting a page with a Java app?'. The main content area has a 'Java Download' heading, followed by the text 'Download Java for your desktop computer now!' and 'Version 8 Update 251' with a release date of April 14, 2020. A prominent yellow box contains an 'Important Oracle Java License Update' notice, stating that the Oracle Java License has changed for releases starting April 16, 2019. Below this notice is a large yellow arrow pointing down to a red 'Java Download' button.

Java™

Search

Download Help

All Java Downloads

If you want to download Java for another computer or Operating System, click the link below.
[All Java Downloads](#)

Report an issue

Why am I always redirected to this page when visiting a page with a Java app?
» [Learn more](#)
» [Report an issue](#)

Java Download

Download Java for your desktop computer now!

Version 8 Update 251
Release date April 14, 2020

Important Oracle Java License Update

The Oracle Java License has changed for releases starting April 16, 2019.

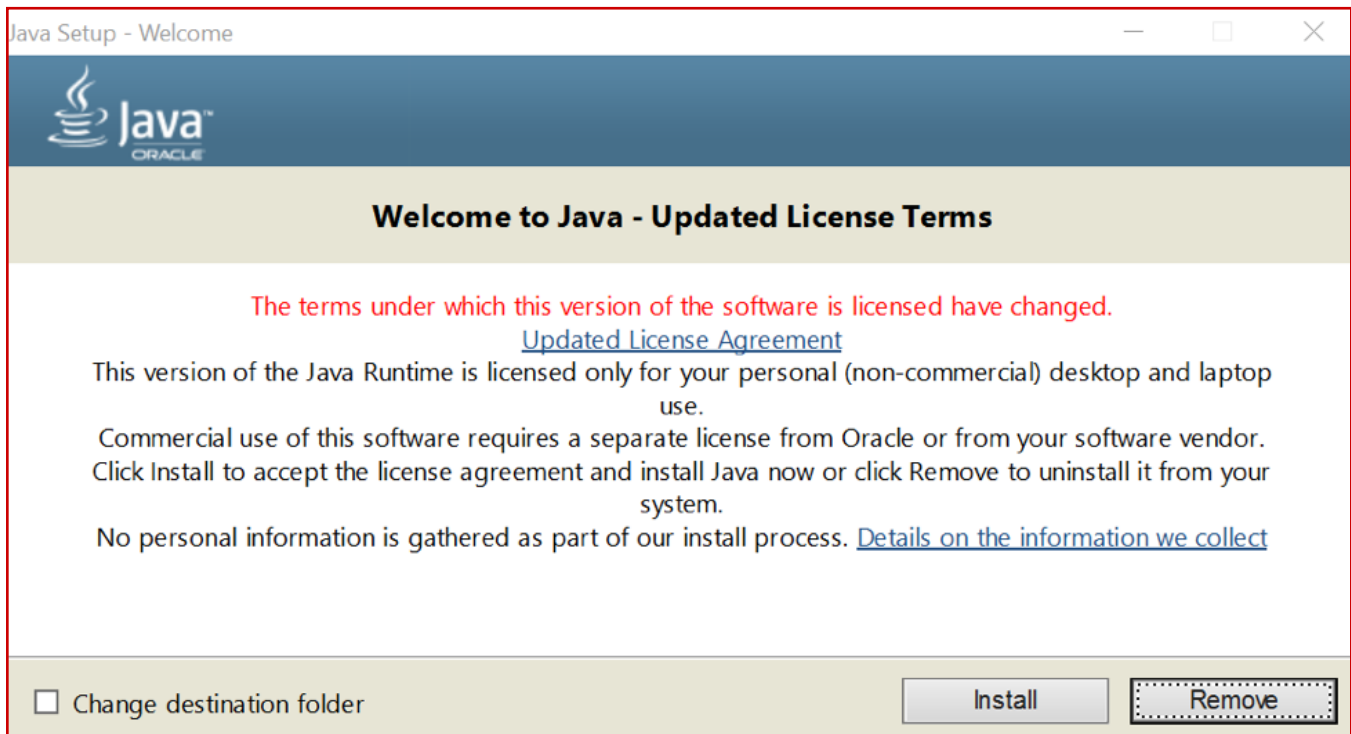
The new [Oracle Technology Network License Agreement for Oracle Java SE](#) is substantially different from prior Oracle Java licenses. The new license permits certain uses, such as personal use and development use, at no cost -- but other uses authorized under prior Oracle Java licenses may no longer be available. Please review the terms carefully before downloading and using this product. An FAQ is available [here](#).

Commercial license and support is available at [Oracle](#) or low cost [Java SE Subscription](#).

Oracle also provides the latest OpenJDK [here](#) under the open source [GPL License](#) at [jdk.java.net](#).

Java Download

The installation window will look something like this:



Follow the instructions until finished.

Next, download the JDK from this [link](#). Please note that there has been substantial changes to the Oracle JDK licensing agreement. Details are available at Oracle Technology Network License Agreement for Oracle Java SE.

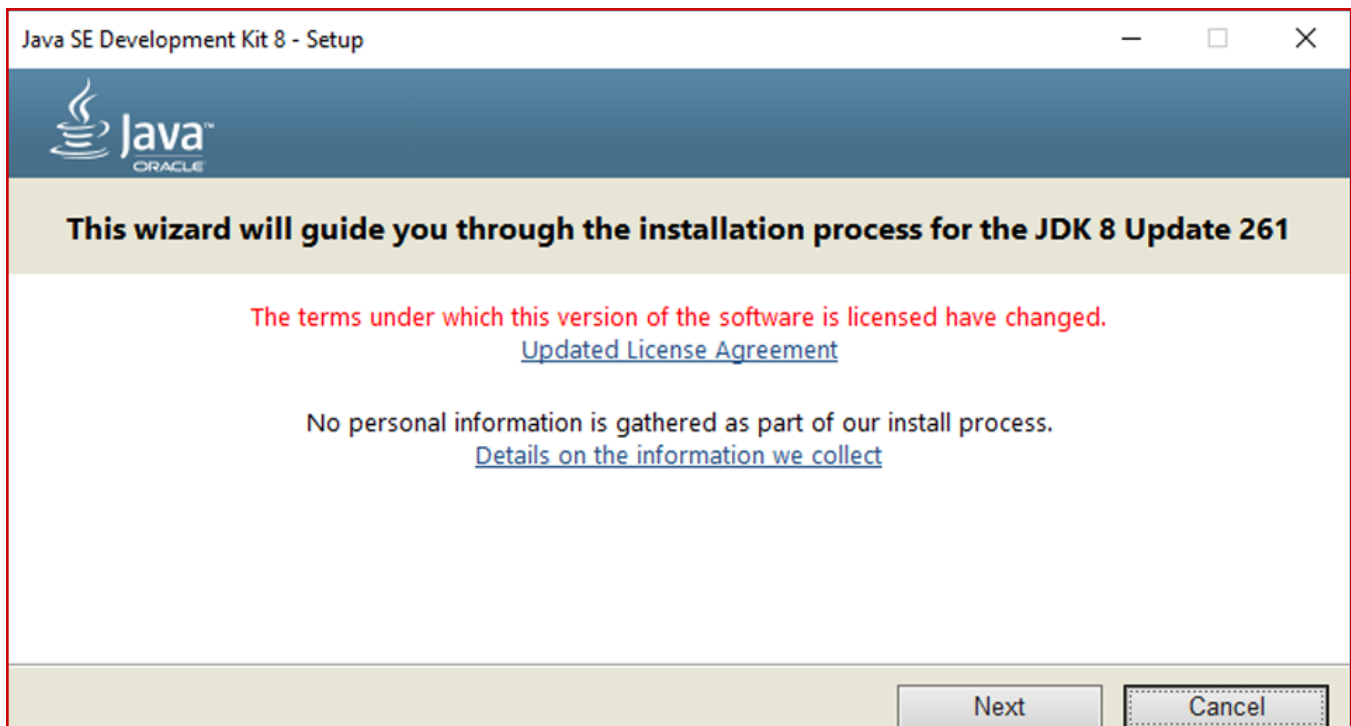
There will be a list of different operating systems to choose from. Since this is a Windows tutorial, scroll until you find Windows.

Windows x86	154.52 MB	jdk-8u261-windows-i586.exe
Windows x64	166.28 MB	jdk-8u261-windows-x64.exe

If you're unsure about which version (x64 or x86) your Windows is, select x86.

If you're not logged in to Oracle, then you will be prompted to log in. If you don't have an account, you need to create one in order to download the JDK.

The installation setup will look like this:



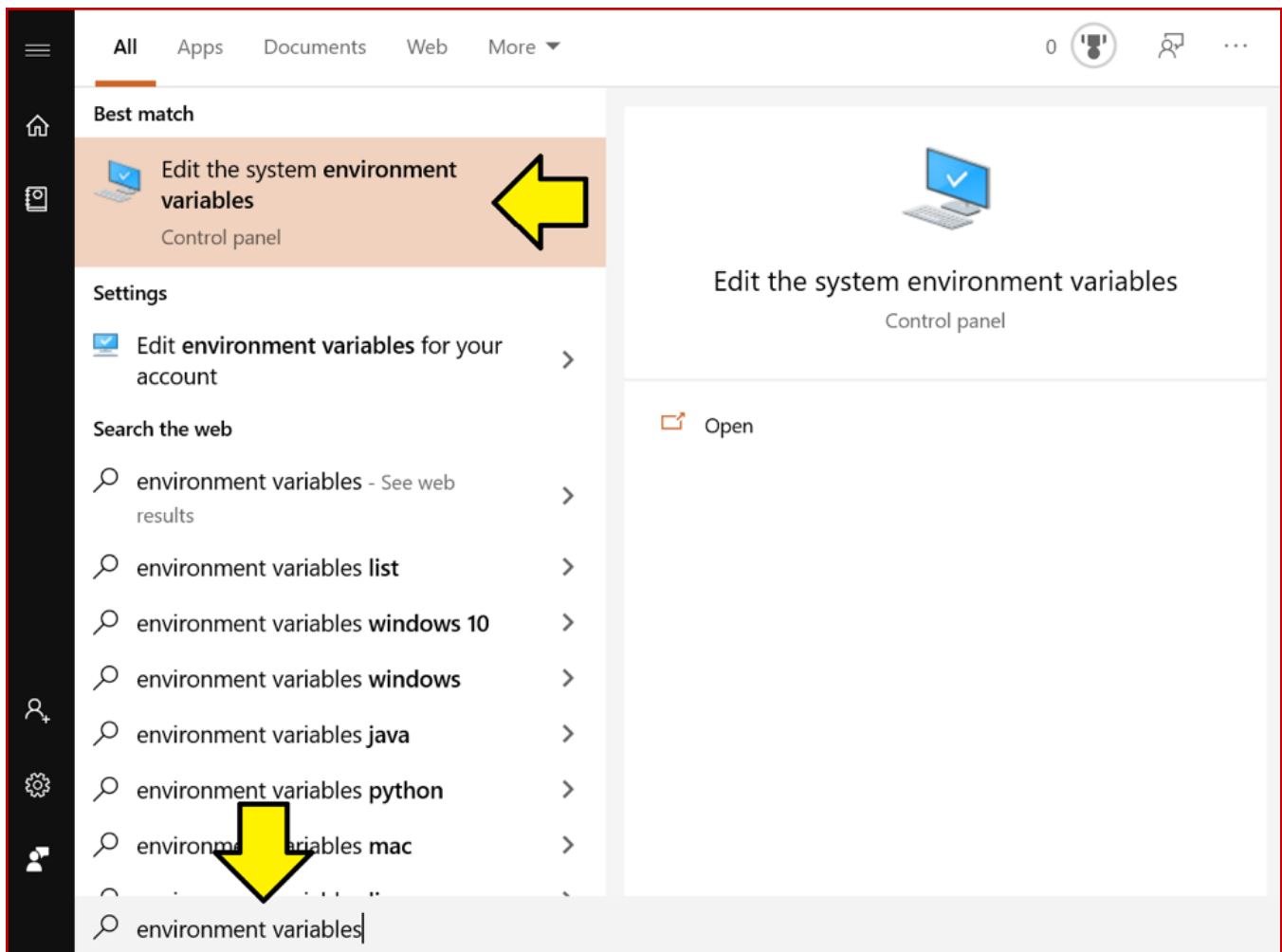
Graphics:

Hitachi Video Management Platform (VMP) has been designed from the ground up to meet the challenges of data storage and processing that new video systems present.

Step 3. Set Up the Environment Variables

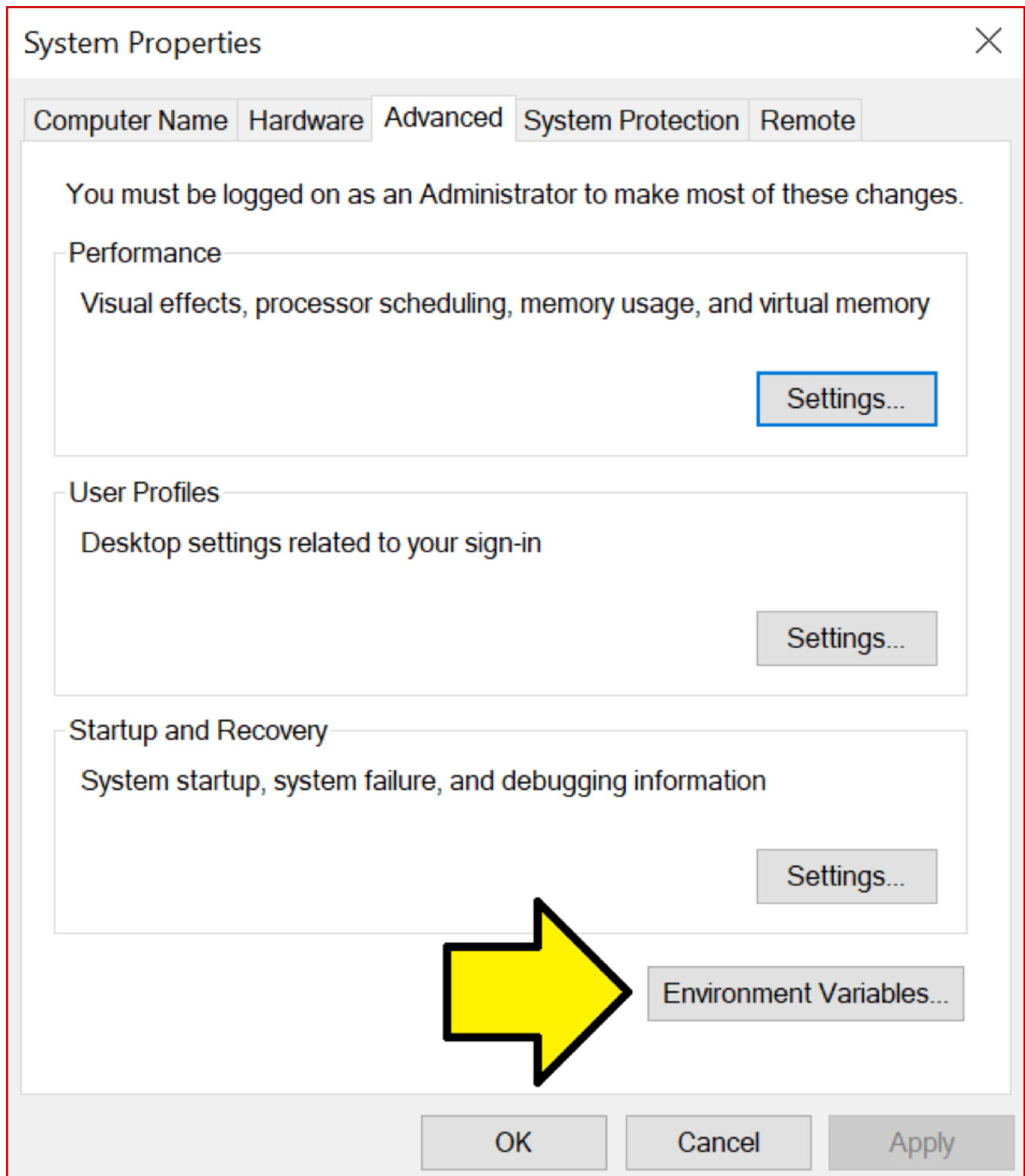
There are three environment variables that need to be set up.

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

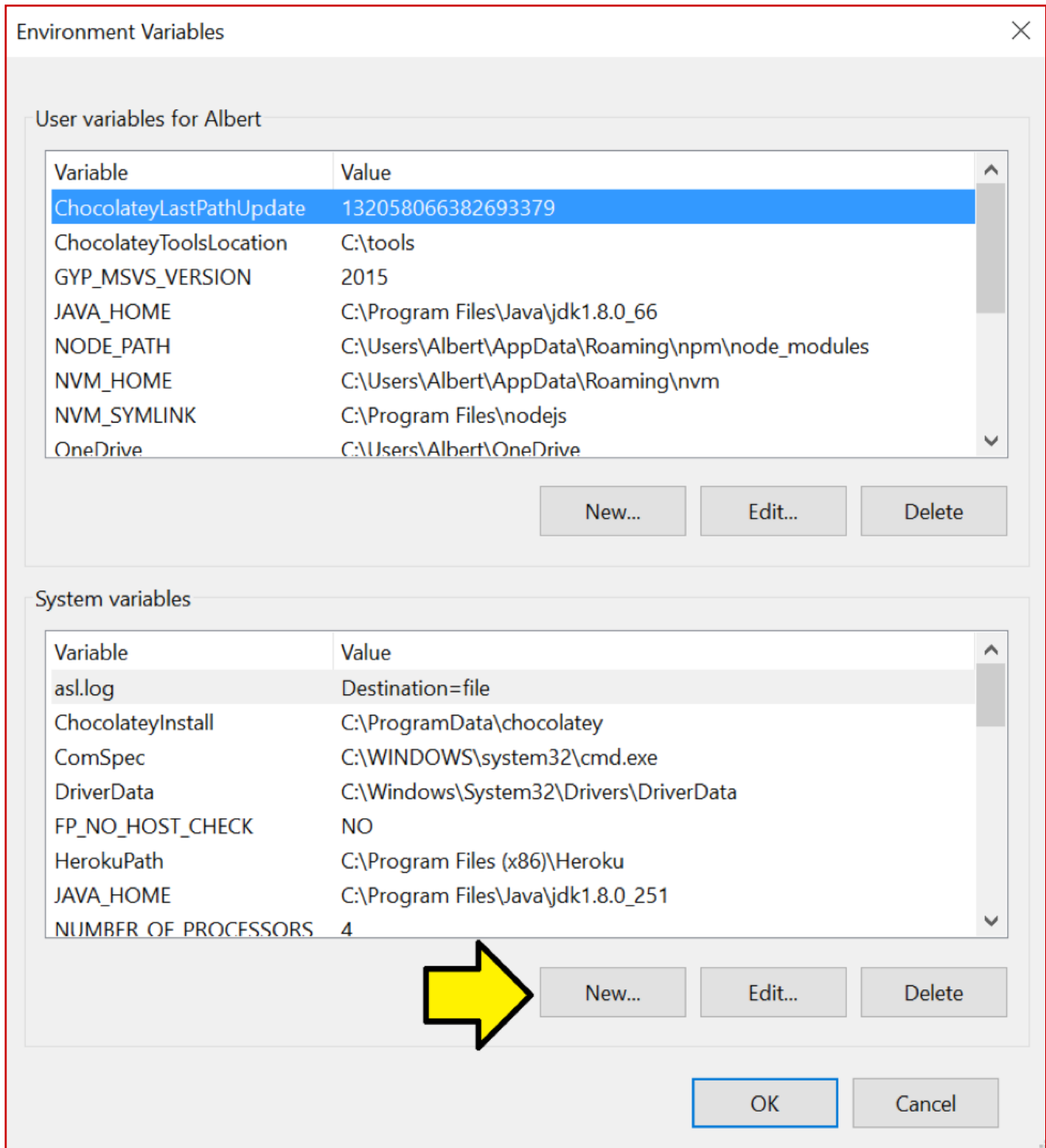


Click the “Edit the system environment variables” option.

That will open the “System Properties” window. Click the “Environment Variables...” button at the bottom.

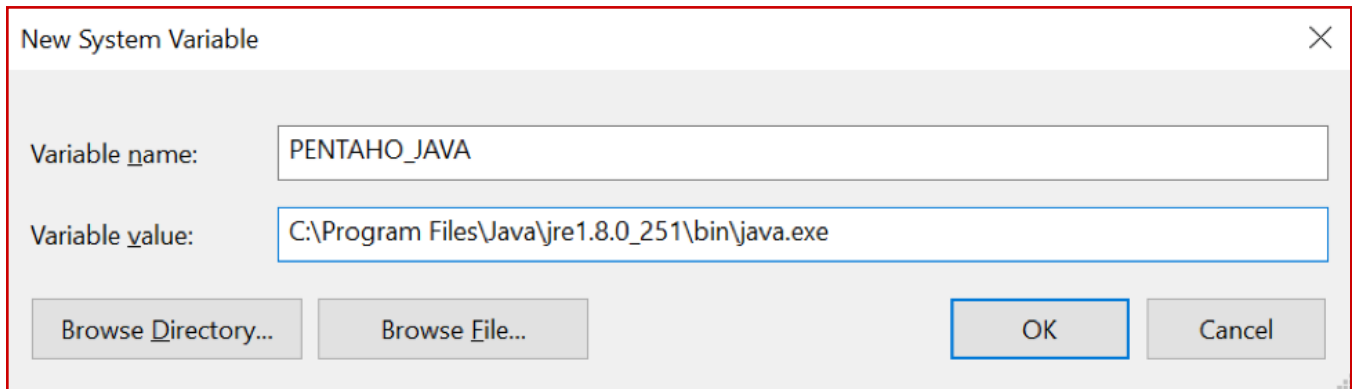


That will open a window that looks like this:



We need to add three new System variables.

Click the "New..." button under "System variables" and enter the following:

A screenshot of the 'New System Variable' dialog box. The 'Variable name' field contains 'PENTAHO_JAVA' and the 'Variable value' field contains 'C:\Program Files\Java\jre1.8.0_251\bin\java.exe'. The 'OK' button is highlighted with a blue border.

New System Variable

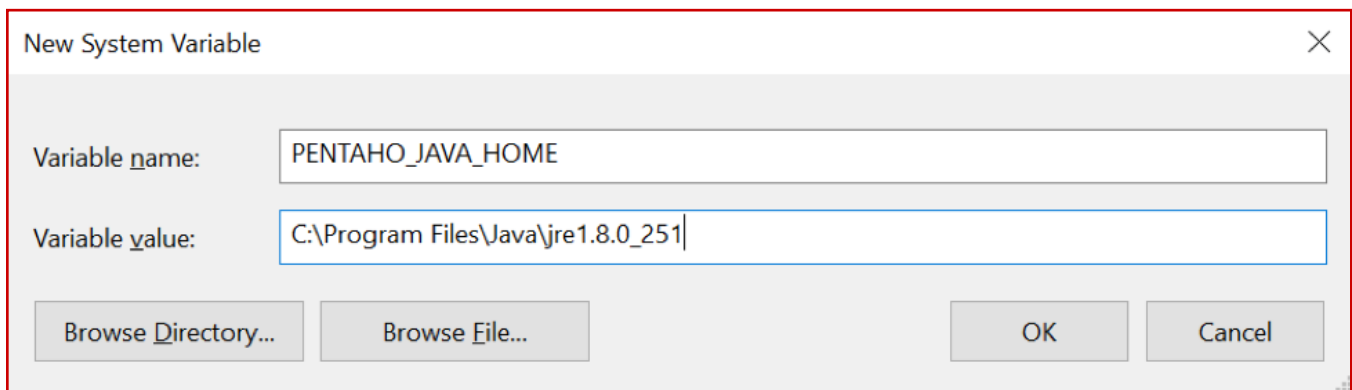
Variable name: PENTAHO_JAVA

Variable value: C:\Program Files\Java\jre1.8.0_251\bin\java.exe

Browse Directory... Browse File... OK Cancel

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

Press "OK" and then enter two more.

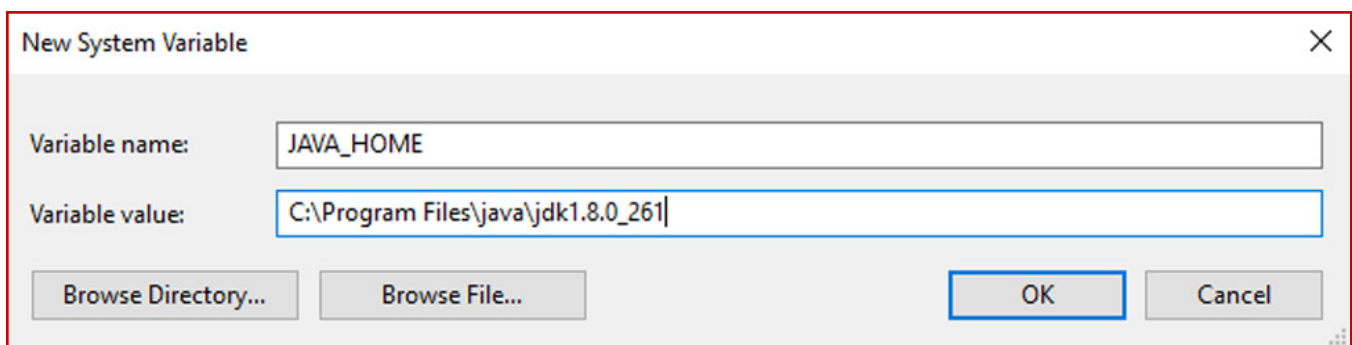
A screenshot of the 'New System Variable' dialog box. The 'Variable name' field contains 'PENTAHO_JAVA_HOME' and the 'Variable value' field contains 'C:\Program Files\Java\jre1.8.0_251\'. The 'OK' button is highlighted with a blue border.

New System Variable

Variable name: PENTAHO_JAVA_HOME

Variable value: C:\Program Files\Java\jre1.8.0_251\

Browse Directory... Browse File... OK Cancel

A screenshot of the 'New System Variable' dialog box. The 'Variable name' field contains 'JAVA_HOME' and the 'Variable value' field contains 'C:\Program Files\java\jdk1.8.0_261\'. The 'OK' button is highlighted with a blue border.

New System Variable

Variable name: JAVA_HOME

Variable value: C:\Program Files\java\jdk1.8.0_261\

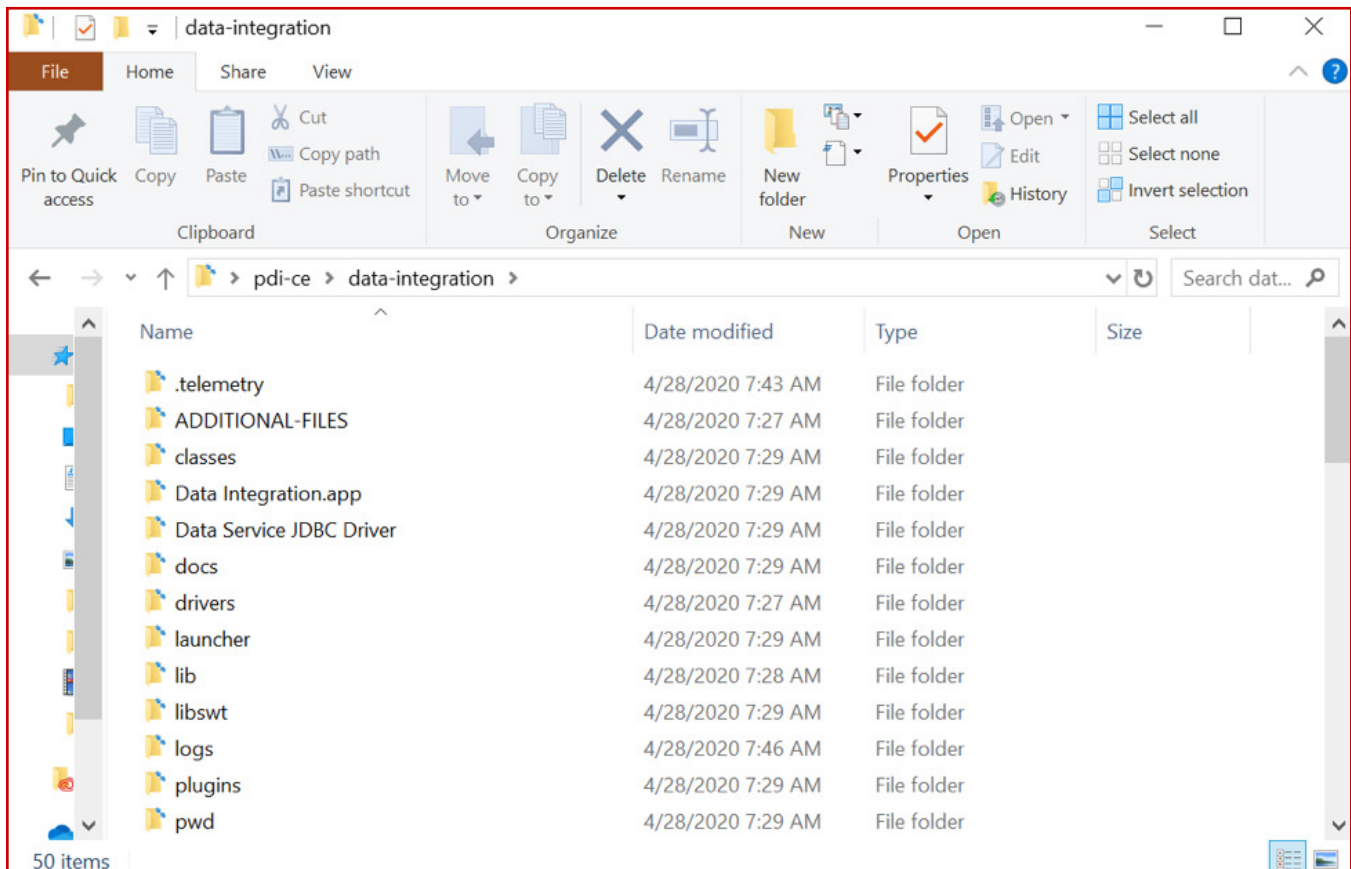
Browse Directory... Browse File... OK Cancel

Press "OK" and close all the previous windows by pressing "OK."

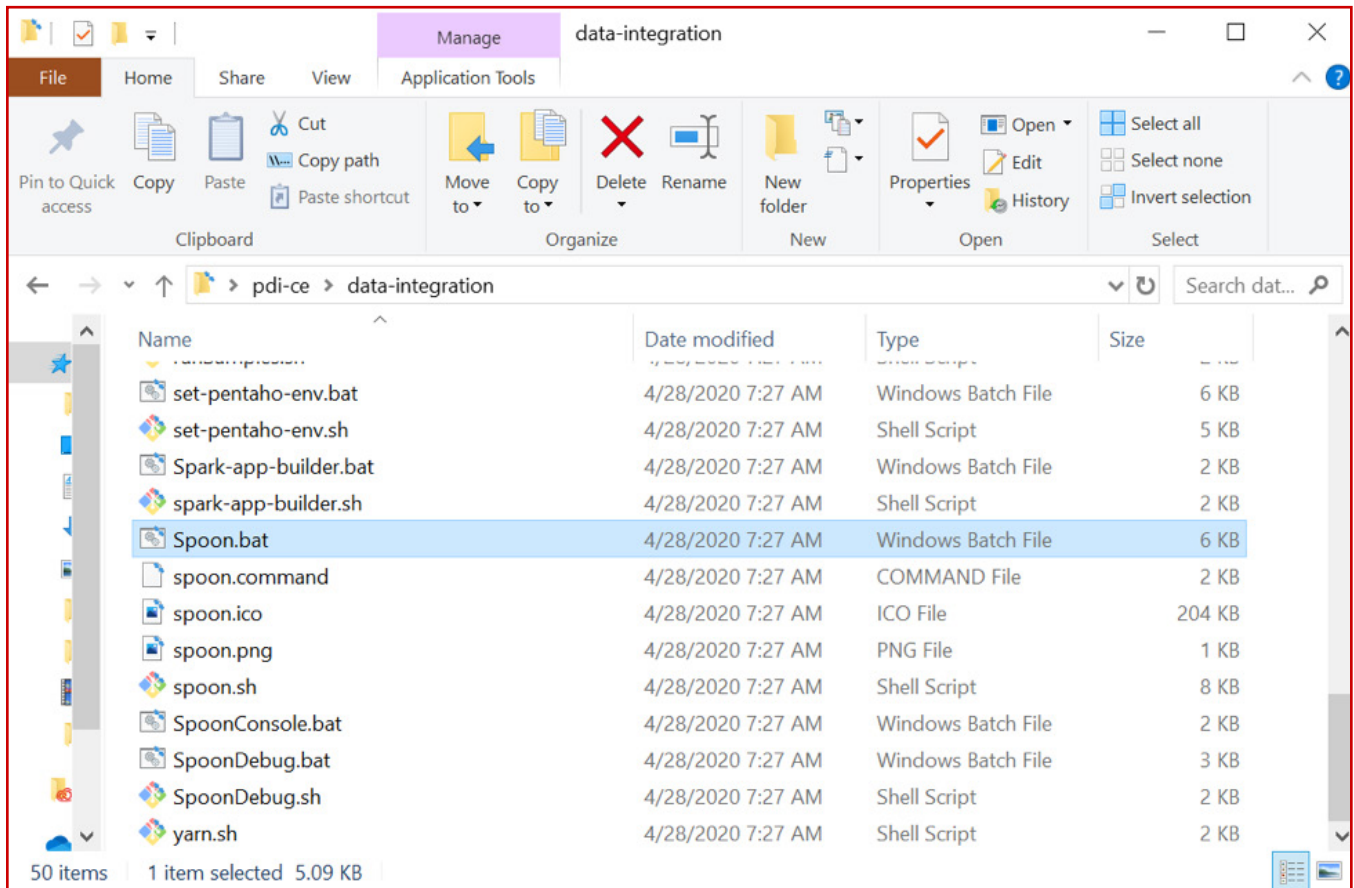
Step 4: Open the Pentaho Data Integration App

Now that Java is installed and the environment variables are set, we can start running the Pentaho Data Integration app.

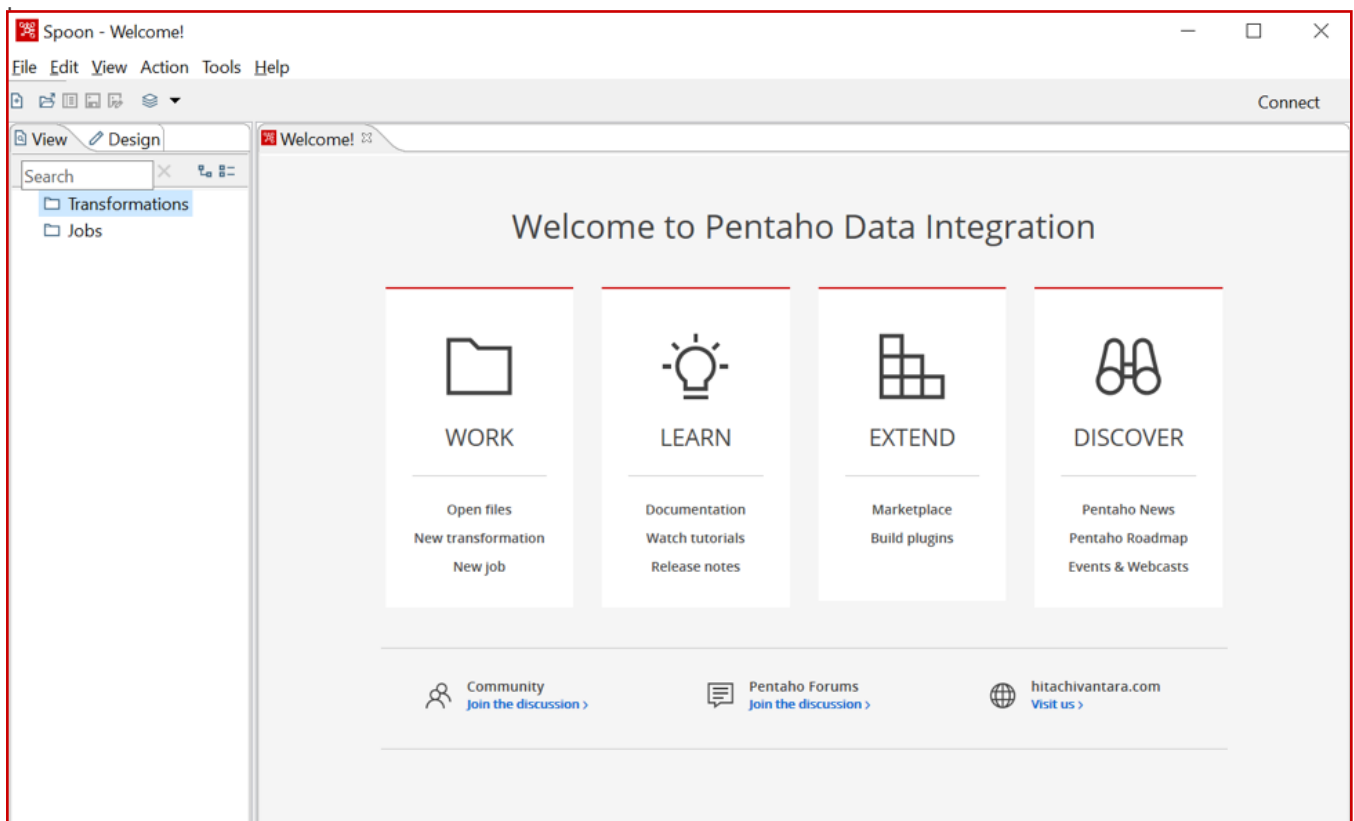
The data integration folder that you downloaded earlier will look something like this:



The file that runs the app is called "Spoon.bat"



Double click this file to open up the Pentaho Data Integration app.



At this point, you can start using this app by pressing “New transformation” or “New job.”

What We Covered. Steps and Capabilities.

Now you should be able to:

1. Download the Pentaho Data Integration software.
2. Install JRE and JDK.
3. Set up JRE and JDK environment variables for Pentaho Data Integration.

Troubleshooting

- If for any reason the app isn't running, check your environment variables. Make sure your folder path is the exact same as you see on your computer.
- The file path for your Java installation should look something like C:\Program Files\Java
- If the Java installation shows that the page isn't found, then go back to the original link and start again after you've logged in.

More Resources

[Pentaho Data Integration documentation](#)

[Pentaho Data integration video tutorials](#)

