

In this tutorial, we'll be going over the steps to install Pentaho Data Integration, part of Hitachi's Lumada portfolio, on Ubuntu 20.04 (a Linux distribution based on Debian)

WHITE PAPER

Pentaho Community Edition (CE) Installation Guide on Linux Operating system

How To Install Pentaho Data Integration (CE) on Linux Operating system

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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 Ubuntu 20.04 (a Linux distribution based on Debian).

Prerequisites

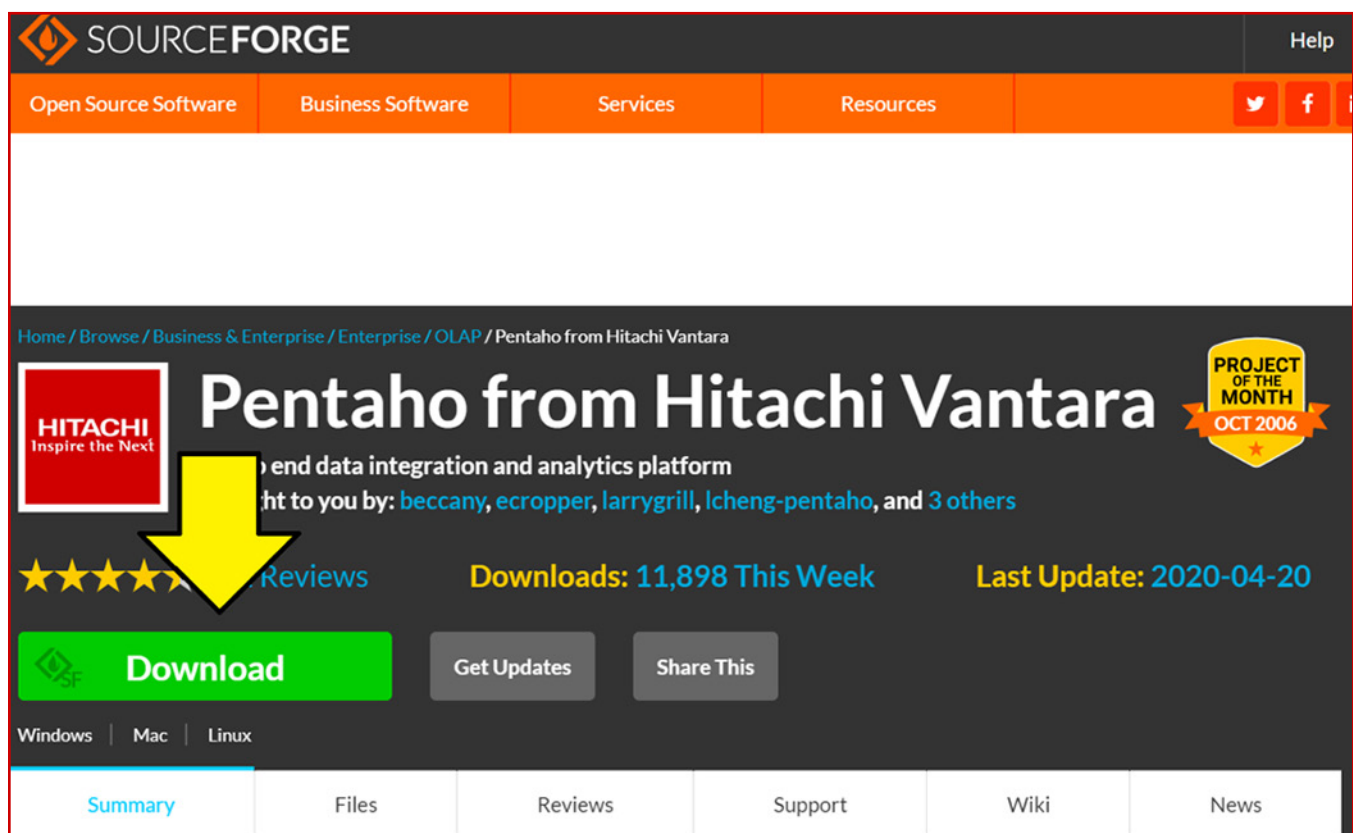
- Ubuntu OS up to 20.04
- Sudo privileges
- Full supported computing environments can be found [here](#)

Step 1. Download Pentaho Data Integration from Sourceforge

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:

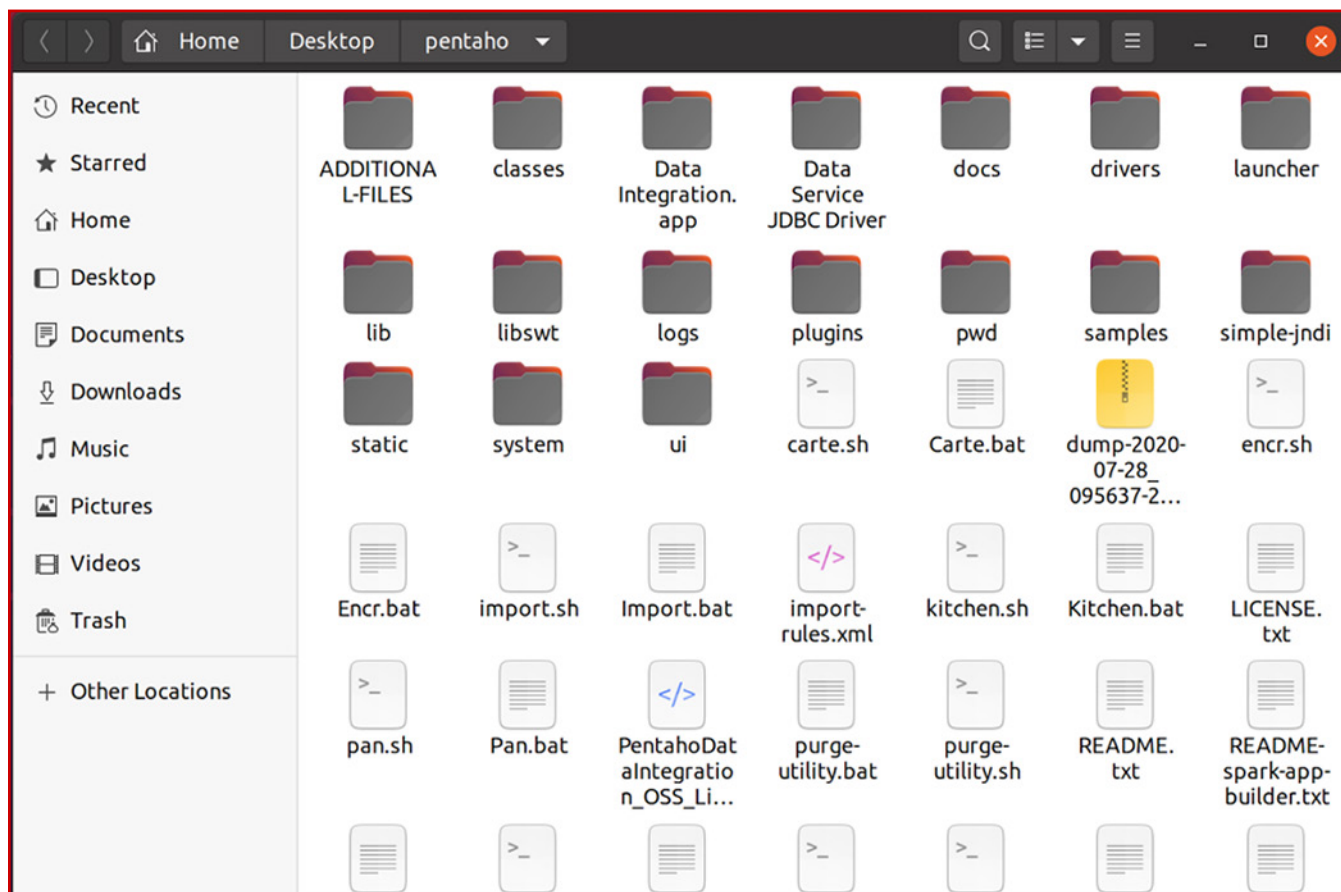


The screenshot shows the SourceForge project page for "Pentaho from Hitachi Vantara". The page has a dark header with the SourceForge logo and navigation links: "Open Source Software", "Business Software", "Services", and "Resources". Below the header, the breadcrumb trail reads "Home / Browse / Business & Enterprise / Enterprise / OLAP / Pentaho from Hitachi Vantara". The main content area features the Hitachi logo with the tagline "Inspire the Next", the project title "Pentaho from Hitachi Vantara", and a description: "End data integration and analytics platform". A large yellow arrow points to the "Download" button. Other information includes "Project of the Month OCT 2006", a star rating, "Reviews", "Downloads: 11,898 This Week", and "Last Update: 2020-04-20". There are buttons for "Download", "Get Updates", and "Share This". At the bottom, there are tabs for "Windows", "Mac", and "Linux", and a navigation bar with links: "Summary", "Files", "Reviews", "Support", "Wiki", and "News".

Press the "Download" button 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 Java 8

To run Pentaho Data Integration on Ubuntu, Java 8 is required. Higher versions of Java like 9 or 11 will cause this error.

“Endorsed standards and standalone APIs in modular form will be supported via the concept of upgradeable modules.”

To install Java 8, open your terminal and type in these commands at the shell prompt:

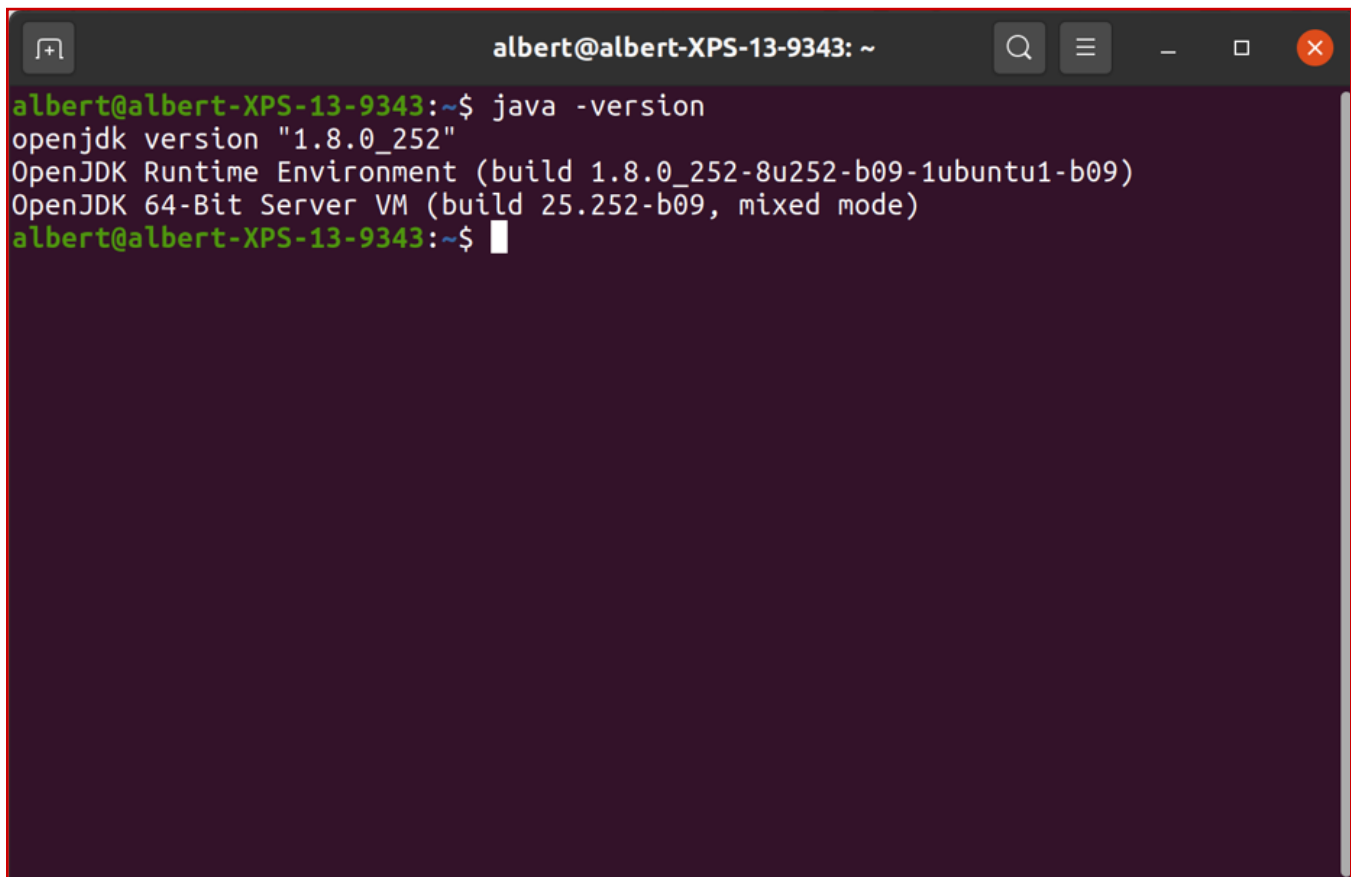
“sudo apt update”

“sudo apt install openjdk-8-jdk”

The terminal will ask you to confirm your download, type “y” to confirm.

To confirm you have Java installed, type “java -version” in your terminal.

You should see something like this:

A terminal window titled 'albert@albert-XPS-13-9343: ~' with standard Ubuntu window controls. The terminal shows the command 'java -version' being executed. The output is: 'openjdk version "1.8.0_252"', 'OpenJDK Runtime Environment (build 1.8.0_252-8u252-b09-1ubuntu1-b09)', and 'OpenJDK 64-Bit Server VM (build 25.252-b09, mixed mode)'. The prompt returns to 'albert@albert-XPS-13-9343:~\$' with a cursor.

```
albert@albert-XPS-13-9343:~$ java -version
openjdk version "1.8.0_252"
OpenJDK Runtime Environment (build 1.8.0_252-8u252-b09-1ubuntu1-b09)
OpenJDK 64-Bit Server VM (build 25.252-b09, mixed mode)
albert@albert-XPS-13-9343:~$
```

Then you have the required files.

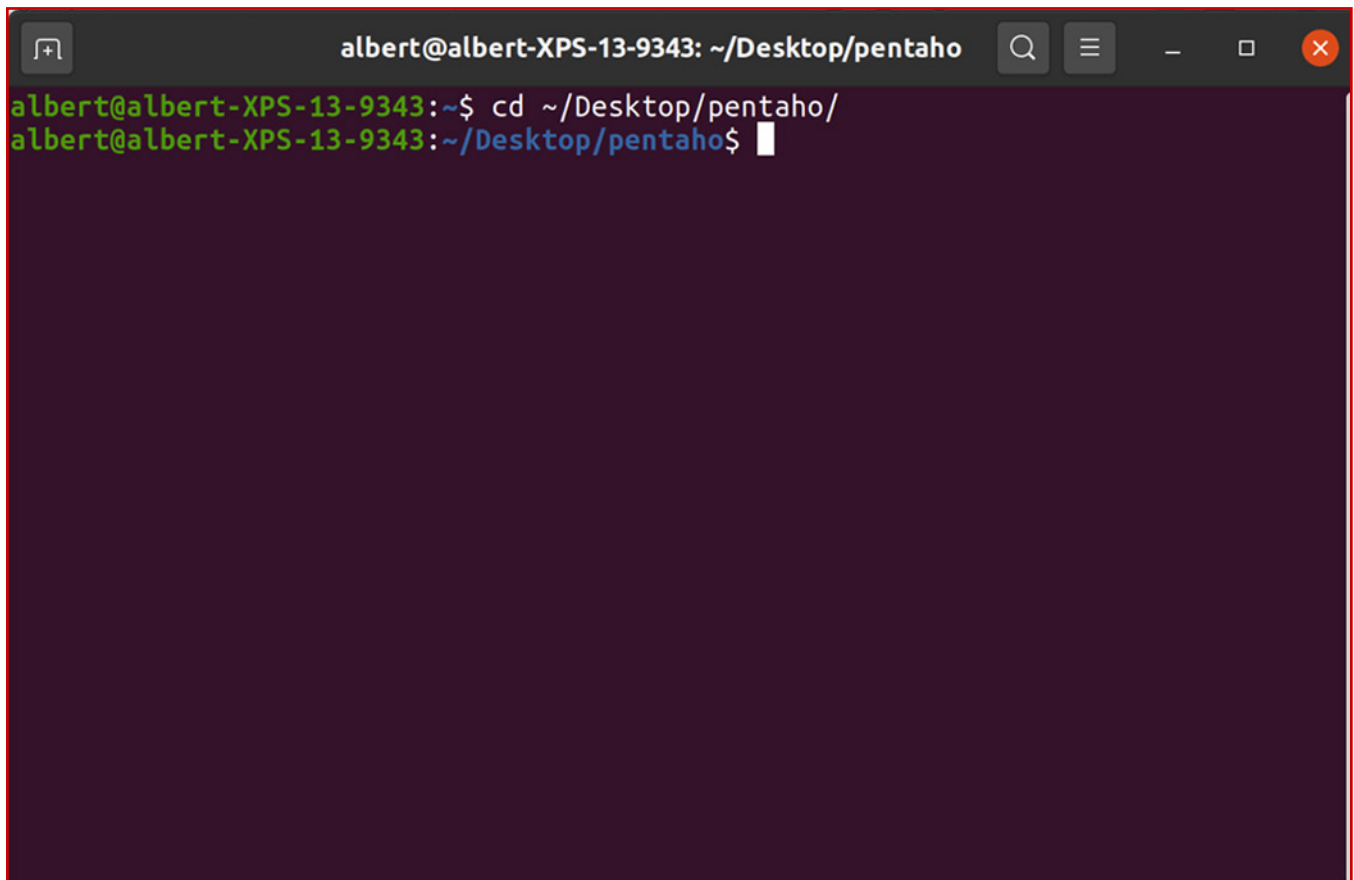
If you already have a higher version of Java installed, [visit this link](#) to learn how to downgrade your Java version.

Step 3: Open the Pentaho Data Integration App

Now that Java 8 is installed, we can run the Pentaho Data Integration app.

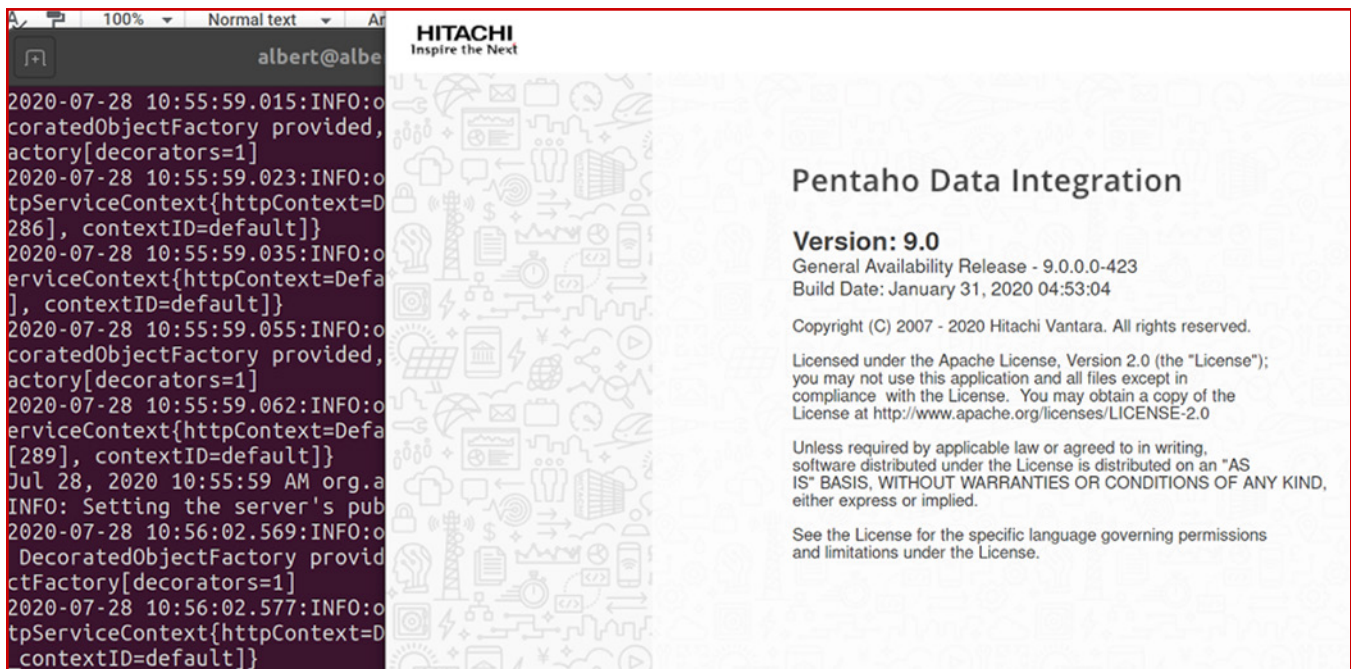
In your terminal, change directories to the folder you extracted the sourceforge files to.

Extract files to a folder on your desktop called “pentaho” so your terminal looks like:

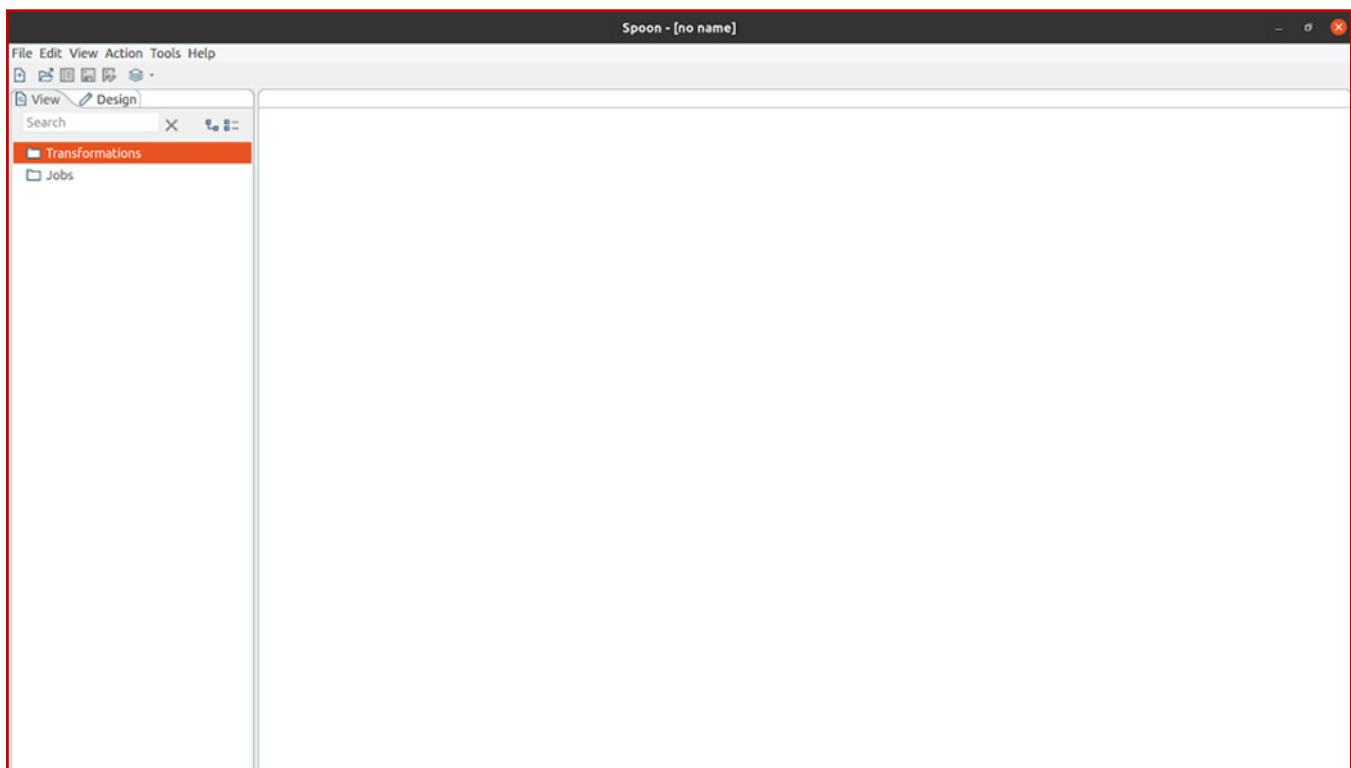
A screenshot of a terminal window with a dark background. The title bar at the top reads "albert@albert-XPS-13-9343: ~/Desktop/pentaho" and includes standard window controls (search, menu, zoom, close). The terminal shows two lines of text: the first line is "albert@albert-XPS-13-9343:~\$ cd ~/Desktop/pentaho/" and the second line is "albert@albert-XPS-13-9343:~/Desktop/pentaho\$" with a white cursor at the end.

```
albert@albert-XPS-13-9343:~$ cd ~/Desktop/pentaho/  
albert@albert-XPS-13-9343:~/Desktop/pentaho$
```

To run spoon.sh, type “./spoon.sh” in your terminal. That will begin the process of starting the app.



After the program has finished loading, Pentaho will be launched.



At this point, you can start using Pentaho by pressing "New transformation" or "New job."

What we covered

1. How to download the Pentaho Data Integration software.
2. How to install Java 8 using the terminal.
3. How to run the spoon.sh script to launch the app.

Troubleshooting

- If for any reason the app isn't running, check which version of Java you're running. If you're using anything higher than 8, the program won't launch.

More resources

[Pentaho Data Integration documentation](#)

[Pentaho Data integration video tutorials](#)

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