

INSTRUCTION FOR RUNNING PROCESS MINING TOOL ON JAVA ENVIRONMENT

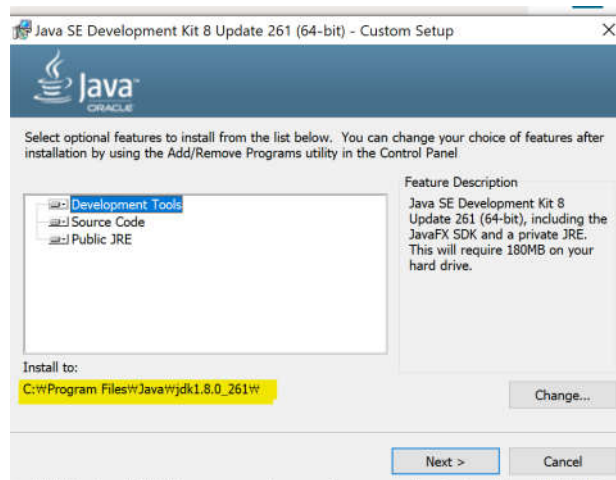
I. System requirements

- Java JDK 8. Download it from here:
<https://www.oracle.com/kr/java/technologies/javase/javase-jdk8-downloads.html>
(You will need to register an account to download the package)

II. Setup Java JDK 8 and the environment

1. Microsoft Windows OS

- Download and install Java 8 on your computer. Remember the Java installed location. You will need it in the next step.



- Setup the JAVA_HOME environment by following the instruction in this website:
<https://javatutorial.net/set-java-home-windows-10>

(Remember to put the correct variable value. The path looks like "c:\Program Files\Java\jdk1.8.0_261" in the previous step).

- Open Command Prompt in the Windows OS, run this command: **javac -version**. This will print out the version of the java compiler in your computer. You can only run the tool whenever you can run this command successfully.

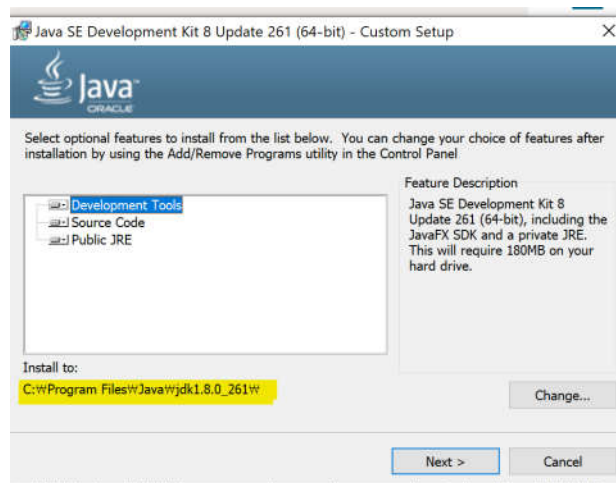
```
C:\WINDOWS\system32\cmd.exe
Microsoft Windows [Version 10.0.17763.1098]
(c) 2018 Microsoft Corporation. All rights reserved.

C:\Users\Wctrl>javac -version
javac 1.8.0_221

C:\Users\Wctrl>
```

2. Mac OS

- Download and install Java 8 on your computer. Remember the Java installed location. You will need it in the next step.



- Setup the JAVA_HOME environment by following the instruction in this website:

http://www.sajeconsultants.com/how-to-set-java_home-on-mac-os-x/?utm_source=rss&utm_medium=rss&utm_campaign=how-to-set-java_home-on-mac-os-x

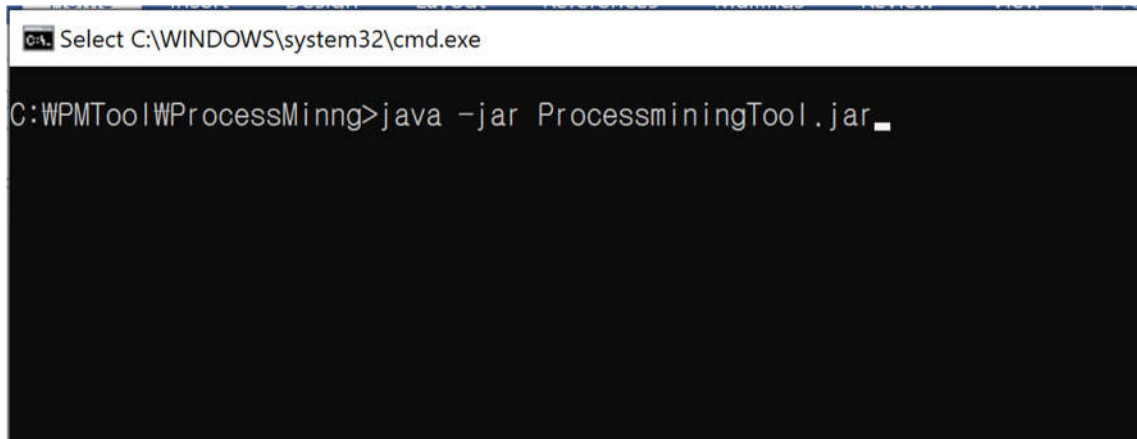
- Open the Terminal on MAC, run this command: `java -version`. This will print out the version of the java compiler in your computer. You can only run the tool whenever you can run this command successfully.

```
MyMiniMac:~ art$ java -version
java version "1.7.0_67"
Java(TM) SE Runtime Environment (build 1.7.0_67-b01)
Java HotSpot(TM) 64-Bit Server VM (build 24.65-b04, mixed mode)
MyMiniMac:~ art$
```

II. Run the tool

Open the command prompt, change the working directory to the folder contains the java file (*ProcessminingTool.jar*) and then run this command:

```
java -jar ProcessminingTool.jar
```



III. Download data set:

Large bank transaction: https://data.4tu.nl/articles/dataset/Large_Bank_Transaction_Process/12714395

Review example large: https://data.4tu.nl/articles/dataset/Synthetic_event_logs_-_review_example_large_xes_gz/12716609

IV. Videos

How to run the tool: <https://www.youtube.com/watch?v=Ey9gluLXftI>

How to export the discovered ICN model: <https://youtu.be/drfdrkzIICo>