EXERCISE 02 - SETUP ENVIRONMENT TO DEVELOP WITH SAP CLOUD SDK

SAP Partner Workshop	30 min

Description

In this exercise, you'll learn how

- to setup environment to develop with SAP Cloud SDK

For further reading on SAP Cloud SDK, click link below.
https://www.sap.com/germany/developer/topics/s4hana-cloud-sdk.html

Target group

- Developers
- People interested in learning about S/4HANA extension and SAP Cloud SDK

Goal

The goal of this exercise is to install prerequisites and setup environment to develop with SAP Cloud SDK

Prerequisites

None

Step 1 - Install Chocolatey and maven

Windows

Open command prompt and run below command

```
@powershell -NoProfile -ExecutionPolicy Bypass -Command "iex ((New-Object System.Net.WebClient).DownloadString('https://chocolatey.org/install.ps1'))" && SET "PATH=%PATH%;%ALLUSERSPROFILE%\chocolatey\bin"
```

For more information on Chocolatey and how to use it, visit the page.

Run below command to install maven

```
choco install maven
```

Mac

Install Homebrew (Mac Packet Manager)

```
/usr/bin/ruby -e "$(curl -fsSL
https://raw.githubusercontent.com/Homebrew/install/master/install)"
```

Run below command to install maven

```
brew update
brew install maven
```

Step 2 - Install JDK 8

Windows

Option 1: Get the JDK from https://www.oracle.com/technetwork/java/javase/downloads/index.html and install it.
Option 2: Download an existing, publicly available OpenJDK 8 build, corresponding to your system. You may choose from:
https://adoptopenjdk.net/ or https://jdk.java.net/8

(Please note that SAP shall not be responsible for any downloads from these portals).

Mac

Option 1: Get the JDK from https://www.oracle.com/technetwork/java/javase/downloads/index.html and install it.
Option 2: Download an existing, publicly available OpenJDK 8 build, corresponding to your system. You may choose from:
https://adoptopenjdk.net/ or https://jdk.java.net/8. (*In this case you may also use Homebrew, by running the following commands on Terminal*).

(Please note that SAP shall not be responsible for any downloads from these portals).

```
brew update
brew tap AdoptOpenJDK/openjdk
```

```
brew cask install adoptopenjdk8
```

To validate that everything is installed correctly, you can use the command javac -version and mvn -version, the output should look similar to the following (you may have the newer version of the software, though)

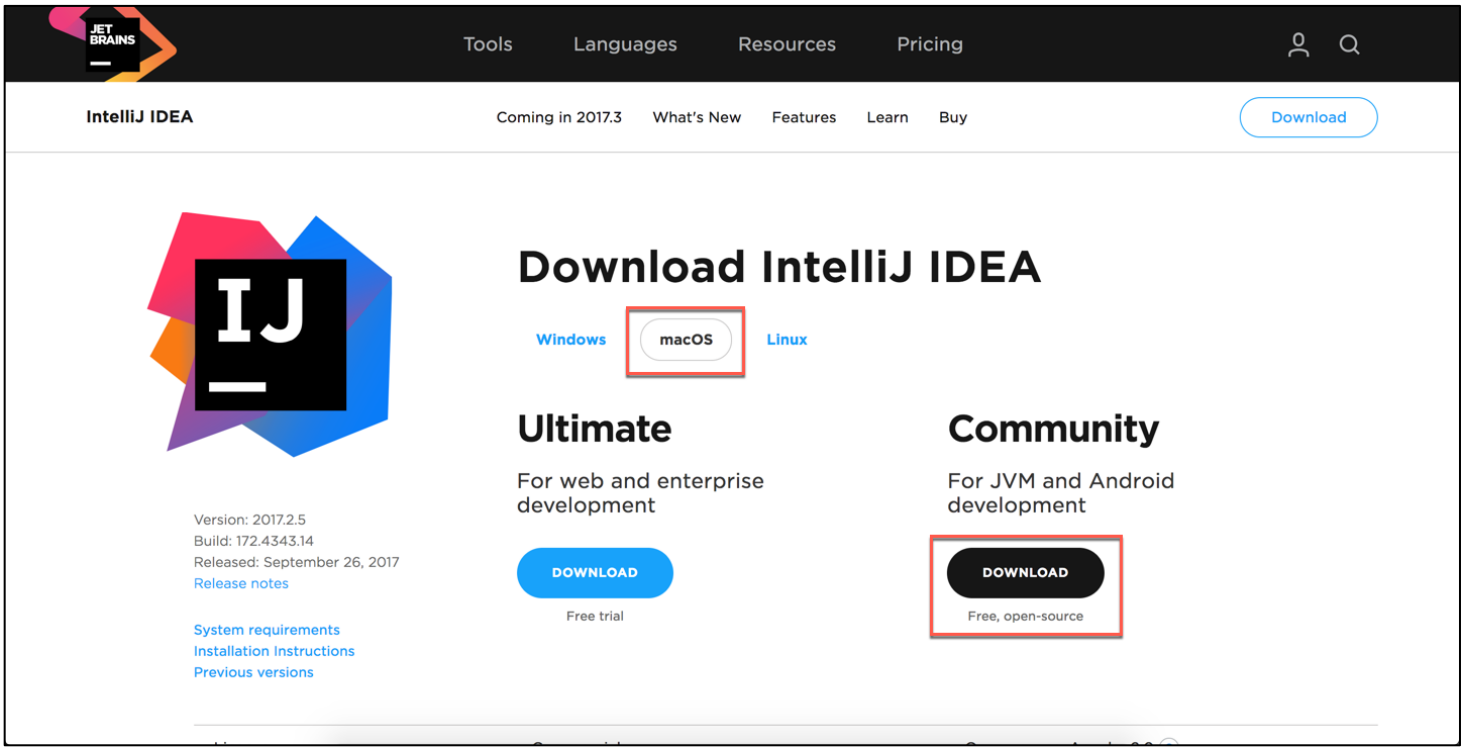
```
> javac -version
javac 1.8.0_72

> mvn -version
Apache Maven 3.5.0 (ff8f5e7444045639af65f6095c62210b5713f426; 2017-04-
03T21:39:06+02:00)
Maven home: C:\Program Files\path\to\maven\bin\..
Java version: 1.8.0_72, vendor: Oracle Corporation
Java home: C:\Program Files\path\to\java\jdk1.8.0_72\jre
...
```

Set **JAVA_HOME** environment variable to the path of your JDK installation, e.g., `C:\Program Files\path\to\java\jdk1.8.0_72`.

Step 3 - Install IntelliJ IDEA

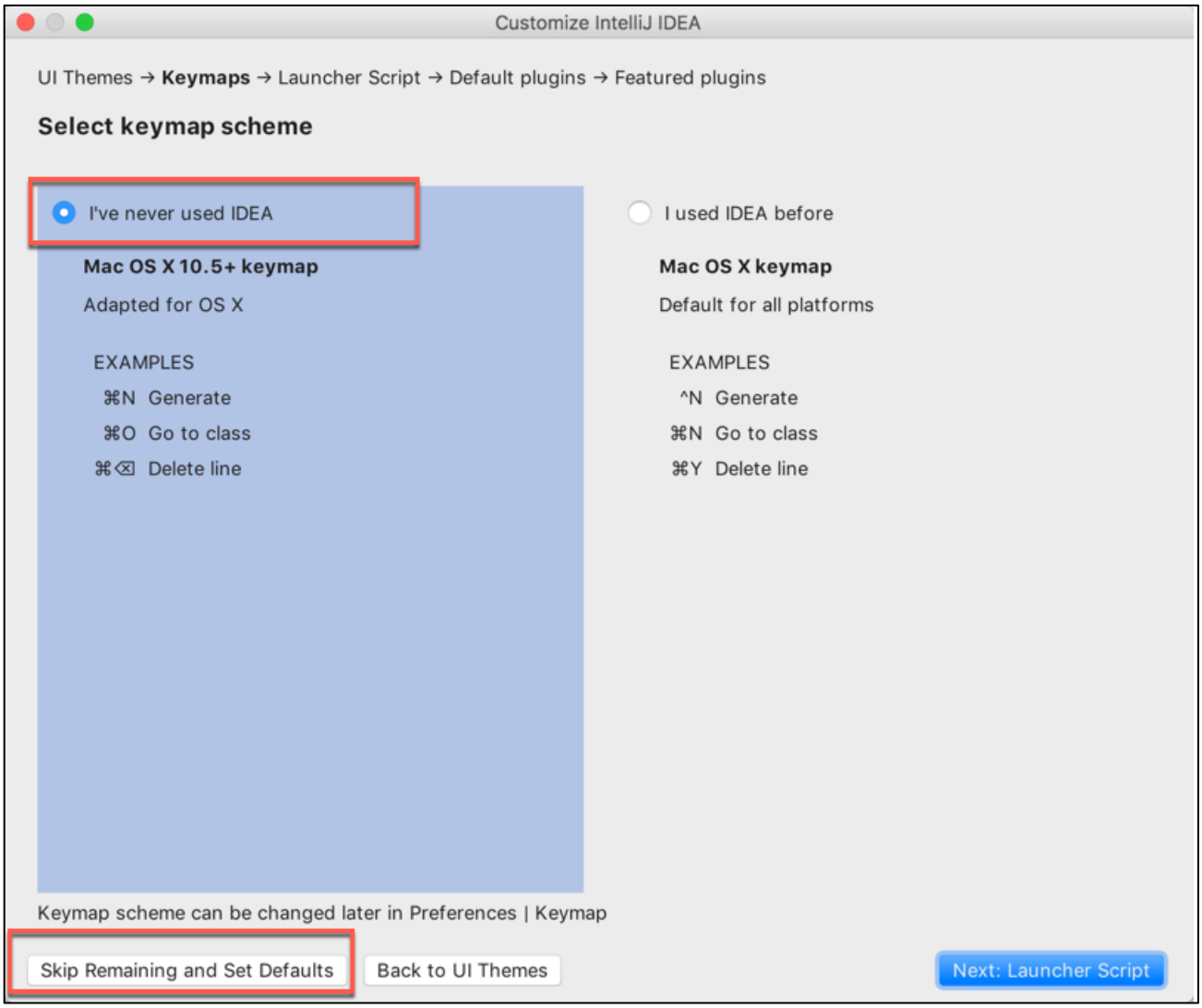
1. Open your browser

2. Type in the following URL https://www.jetbrains.com/idea/download. You will get the following screen.



Choose the platform (Windows, MacOS or Linux) and click on the download button for the Community Edition

Once the download is finished, launch the installation. If it's the first time you use this tool select the first radio button and click on **Skip Remaining and Set Defaults**



The installation is complete!

Step 4 - Create an SAP Cloud Platform free trial account

Go to this page and register for SAP Cloud Platform free trial account.

Step 5 – Install CF CLI Tool

Download the CLI from https://github.com/cloudfoundry/cli/releases and install it.

Congratulation! You have successfully setup your environment to develop with SAP Cloud SDK.