

Environment Setup

The aim of this document is to guide you to setup your computer in preparation for the ML on Edge bootcamp to make your experience as smooth as possible and allow you to focus on the labs.

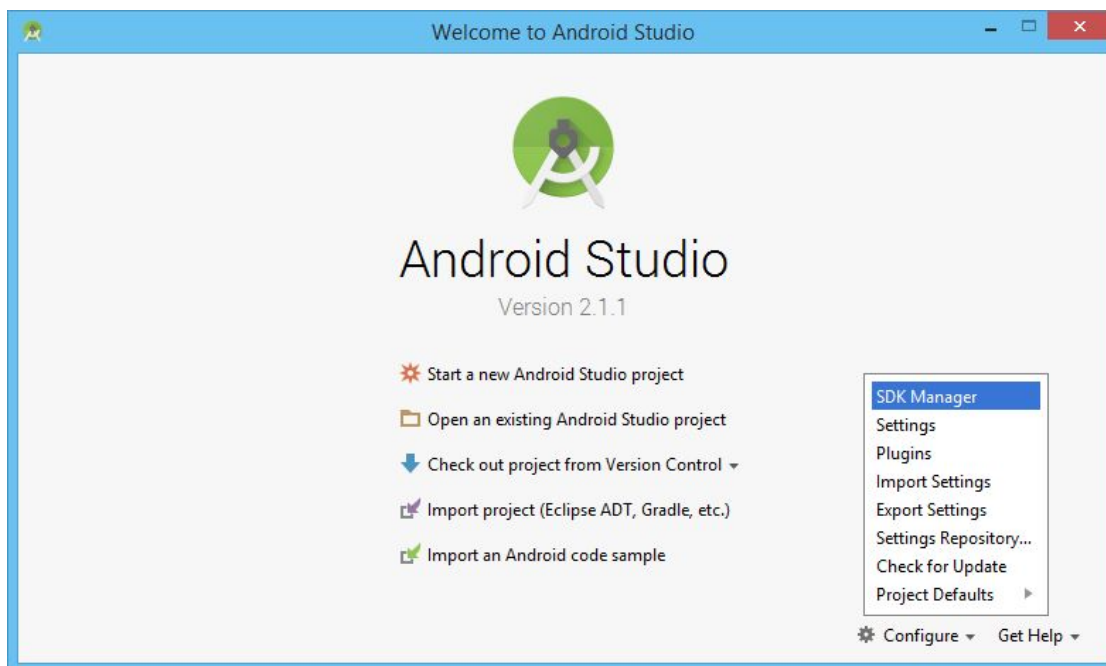
1) Install Android Studio.

The first step is to install Android Studio on your computer if you don't have it already, download Android Studio from the official [website](#) picking the adequate binary for your platform (Windows, Linux or MacOS).

Once downloaded follow the steps to install Android Studio and start the software.

2) Download the Android SDK and Platform Tools.

2-A) If you installed Android Studio for the first time, when you start it you will see the following page, click on **Configure > SDK Manager** as shown below.

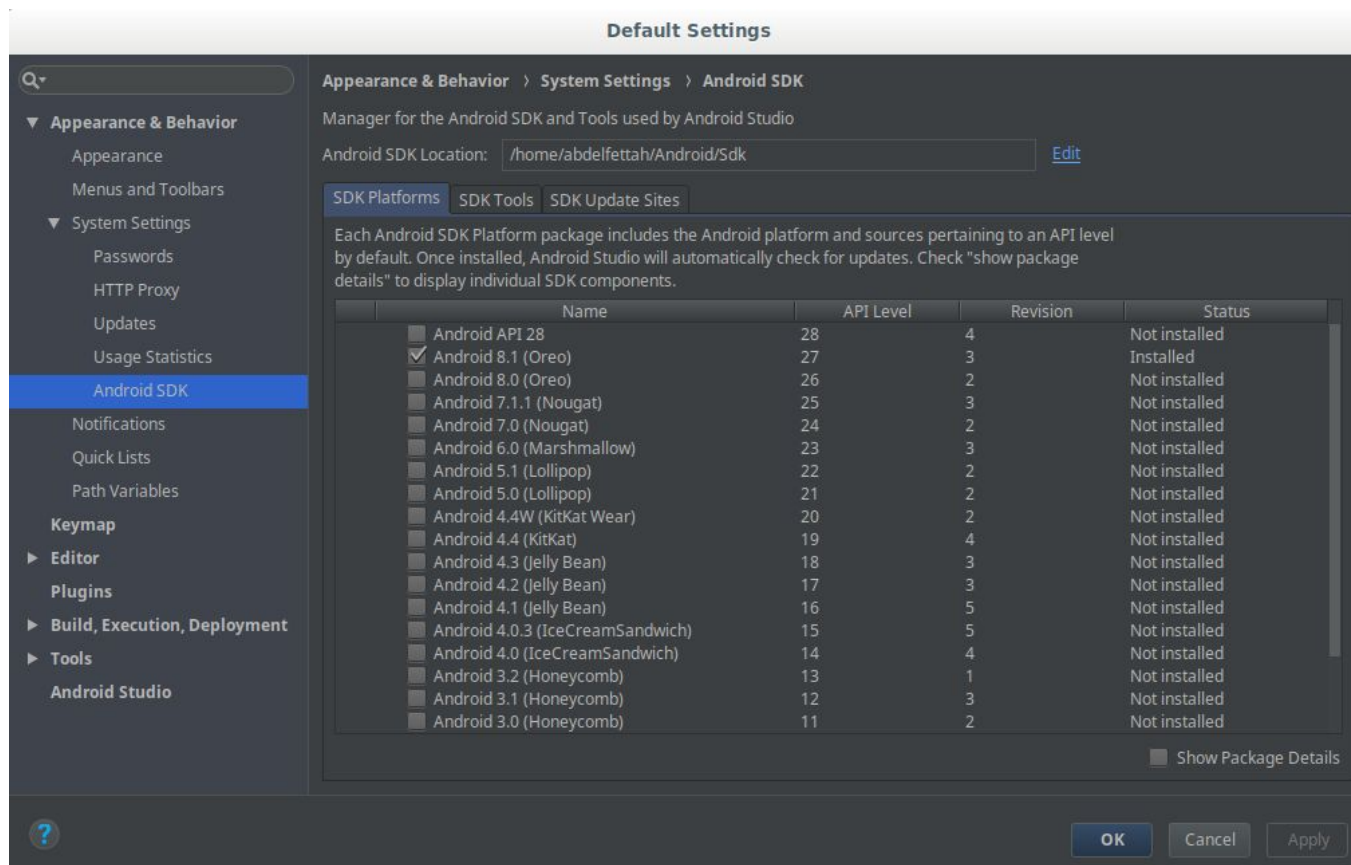


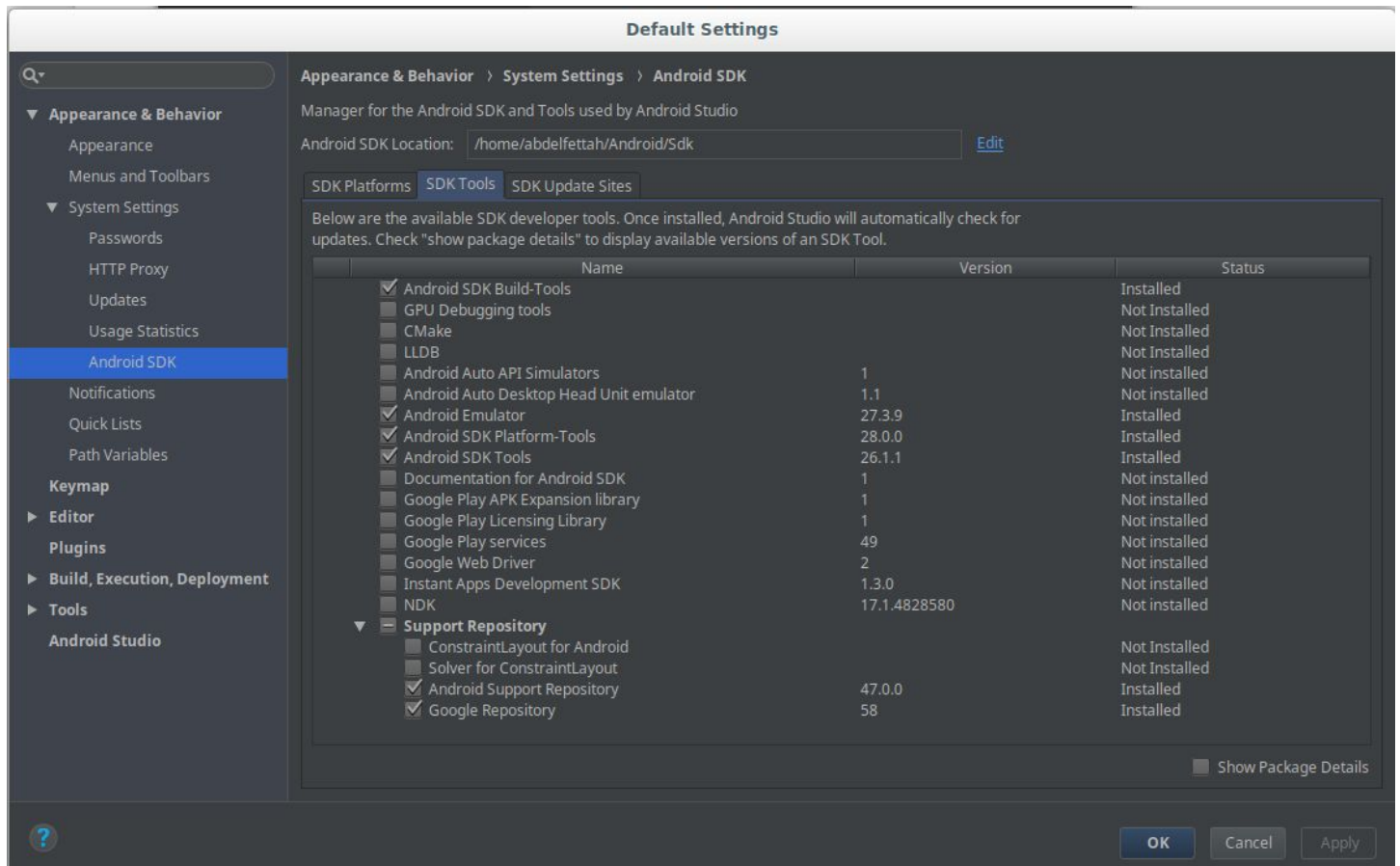
2-B) If Android Studio is already installed on your computer, you can open the SDK manager from **File > Settings > Appearance & Behavior > System Settings > Android SDK**.

2-C) In the SDK Manager window select the following components (As shown in the screenshot below):

- Under SDK Platforms select **Android 8.1 (Oreo) API level 27**.
- Under SDK Tools select.
 - Android SDK Build-Tools.
 - Android Emulator.
 - Android SDK Platform-Tools.
 - Android SDK Tools.
 - Support Repository > Android Support Repository
 - Support Repository > Google Repository

Click on Apply at the bottom left corner and accept the licence Agreement, this step takes some time as Android Studio needs to download the tools from Google Servers.





3) Add adb (android debug bridge) to your path.

3-A) Find out where the Android SDK is installed from Android Studio by navigating to **File > Settings** and copying the content of the field **Android SDK Location**, then append **platform-tools** to the path. We will refer to this with **PLATORMS_TOOLS_PATH** in the next steps

3-B) On Windows

1. On Windows 7/8:

- From the desktop, right-click My Computer and select Properties
- In the System Properties window, click on the Advanced tab
- In the Advanced section, click the Environment Variables button
- In the Environment Variables window, highlight the Path variable in the Systems Variable section and click the Edit button
- Append ;**PLATORMS_TOOLS_PATH** to the end of the existing Path definition (the semi-colon separates each path entry)

2. On Windows 10:

- Open the Start menu, and type “advanced system settings”
- Select “View advanced system settings”
- Click on the Advanced tab
- Open the “Environment Variables” window
- Select the Path variable under “System Variables” and click the “Edit” button
- Click the “Edit Text” button
- Append ;**PLATORMS_TOOLS_PATH** to the end of the existing Path definition (the semi-colon separates each path entry)

3. Install the [universal adb driver](#), and reboot your computer.

3-C) On macOS

- Add the following to ~/.bash_profile:
- ```
if [-d "PLATORMS_TOOLS_PATH"] ; then
 export PATH="PLATORMS_TOOLS_PATH:$PATH"
fi
```
- Log out and back in.

### 3-D) On Linux

- Add the following to ~/.profile:
- ```
if [ -d "PLATORMS_TOOLS_PATH" ] ; then  
    export PATH="PLATORMS_TOOLS_PATH:$PATH"  
fi
```
- Log out and back in