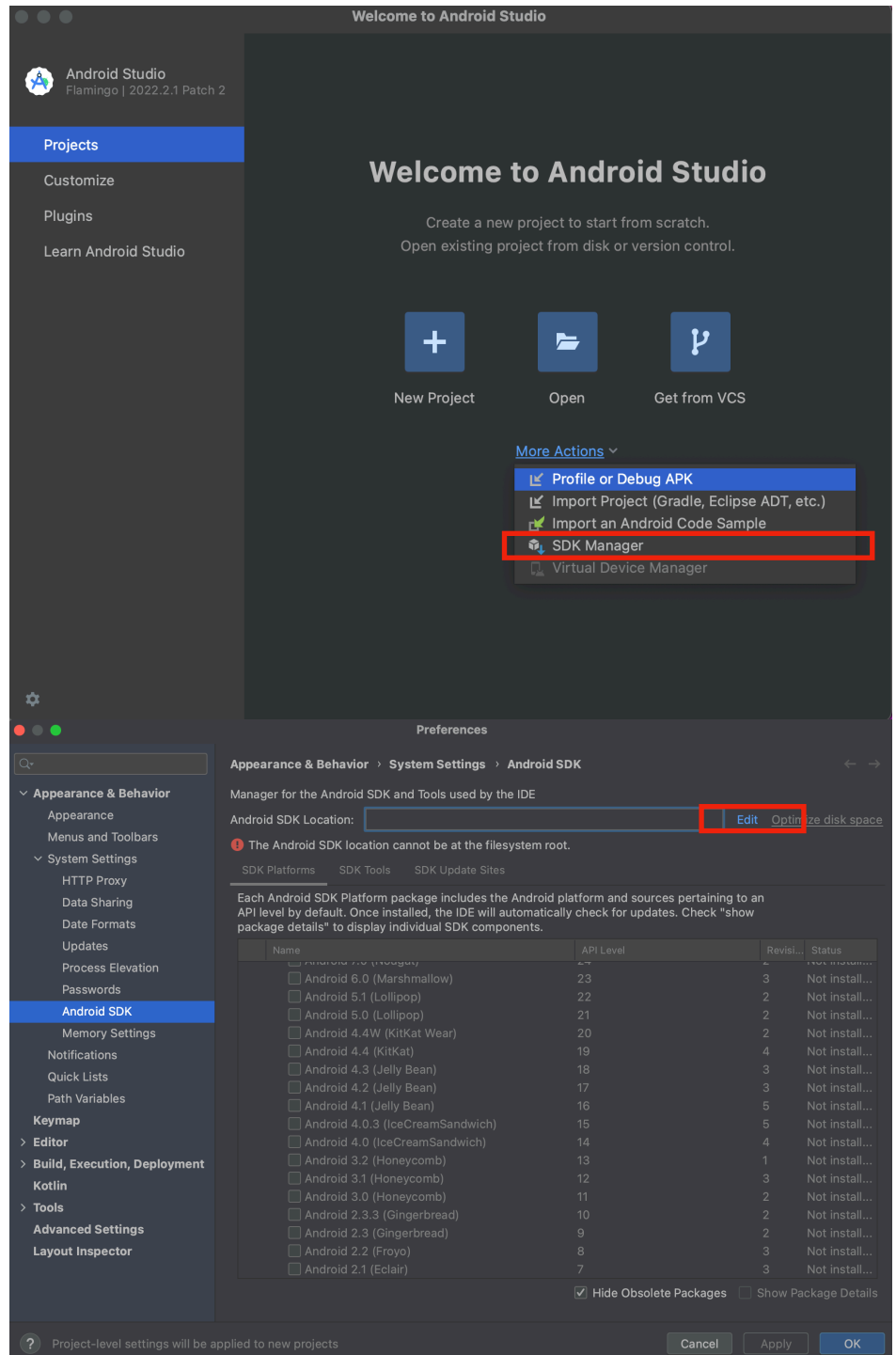


# auto\_perf instruction:

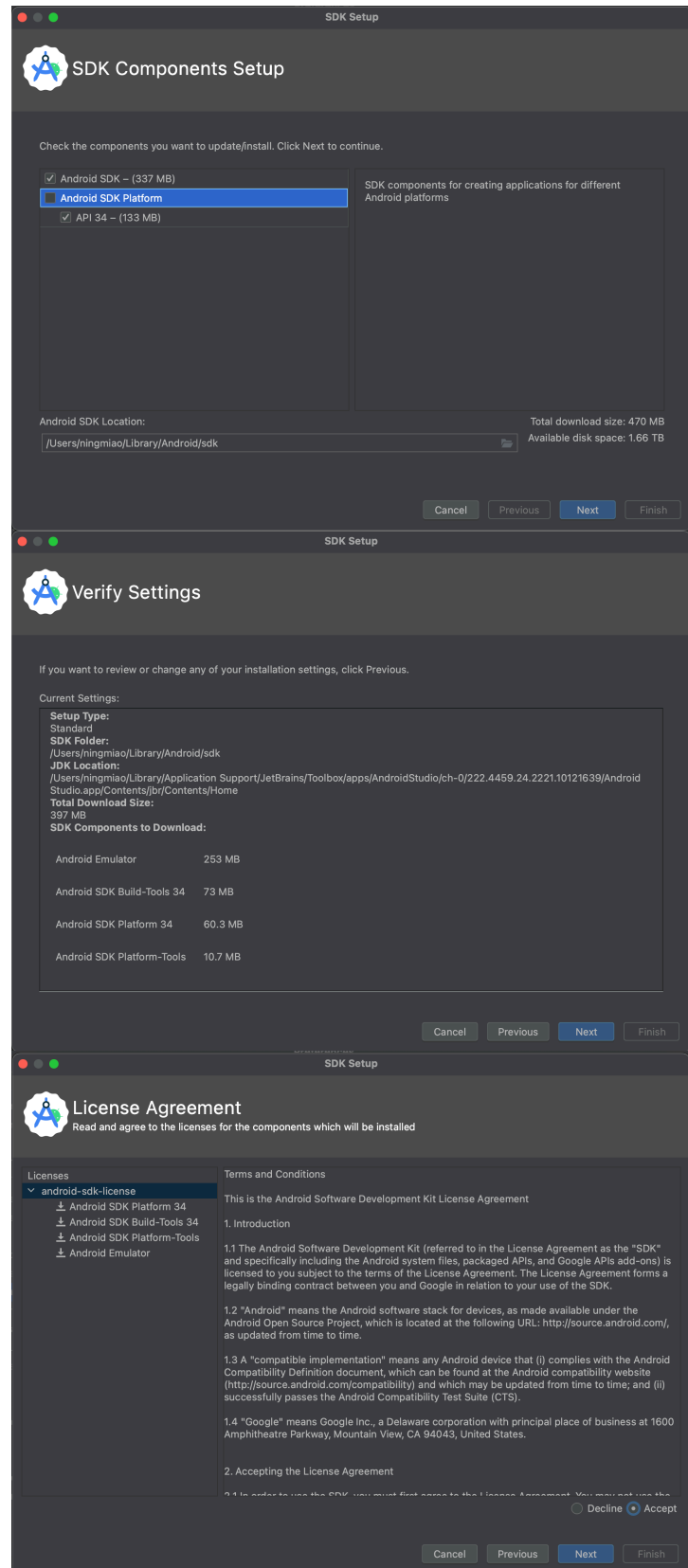
The tool script auto\_perf mainly depends on adb and aapt. In this instruction, we will show you how to install these tools and set up environment on Mac OS.

Select SDK Manager



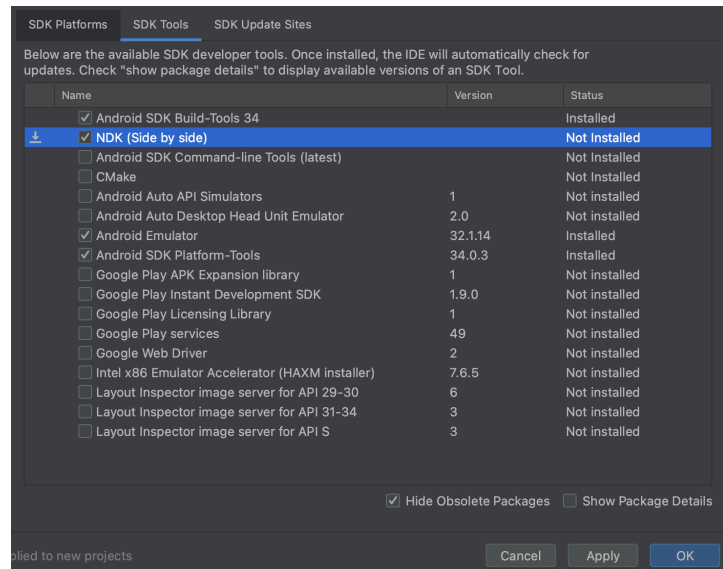
Select Edit

Go through Setup process



Now select **NDK (side by side)** and **Android SDK Command-line Tools (latest)** (this one is not shown in picture) to install the NDK and SDK tools

The installation location is defined in the same window followed by:  
Android SDK Location



Lastly, Add platform-tools to PATH.

On Mac, the platform-tools folder is located in ~/Library/Android/sdk/. Depending on the **Android SDK Location**, it could be installed somewhere else. To add platform-tools into PATH, simple use the instruction 'export PATH=\$PATH:~/path/to/platform-tools'. Depending on the shell you are using, you might be able to add this instruction into the config file. For example, if you are using zsh (default for some version of Mac), you can add this line of instruction into ~/.zshrc file. Then restart the shell or use 'source ~/.zshrc' to apply the modification.

Now, you can test with 'adb --version' to see if the platform-tools folder has been successfully added to the PATH.

For aapt tool, the similar steps would be required. This tool is located in /path/to/sdk/build-tools/version/. Here the latest version (as this instruction is written, is 34.0.0). Reboot or resource the shell terminal, then test with 'aapt' to make sure this tool is available.

Before starting the auto\_perf script, one last thing to do is to cp the simpleperf binary executable file to /data/local/tmp/ on your mobile device. The simpleperf binary file included in this repo is specifically built for arm-v7a (pixel 4).

After the executable is copied, try use adb enter the path /data/local/tmp/ and run './simpleperf list' to see whether simpleperf is executable.