

How to create the emulator with terminal in Mac

– MY Mac configuration

Version - 10.12.6 (16G1710)

Processor - 3.06 GHz Intel Core i3

Ram - 8 GB 1333 MHz DDR3

Steps to follow to get result:

1. Initially we should download java8 from <https://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>
2. Then download the Android Studio from website "<https://developer.android.com/studio>
3. Then open the terminal and type `/usr/bin/open ~/.bash_profile`
4. Note : The `~/.bash_profile` can be created in different ways using "nano" etc.. and i selected above step to create the file
5. Before set the path check the folder location `/Library/Java/JavaVirtualMachines/jdk1.8.0_201.jdk/Contents/Home/bin` - java path
6. Then the text editor will open and set the path `export JAVA_HOME=$(/usr/libexec/java_home)`
7. Note to check java path is correct or wrong type `echo $JAVA_PATH` in terminal. if it shows version then okay not then don't follow the below steps
8. Then in the same file type the following commands
9. `export ANDROID_HOME=/Users/durga/Library/Android/sdk >> ~/.bash_profile`
10. `export PATH=${PATH}:${ANDROID_HOME}/tools:${ANDROID_HOME}/platform-tools >> ~/.bash_profile`
11. Note: To check whether path is correct or wrong then type `adb devices` in terminal if it show okay then don't go for below steps
12. Note : we Should set path for Andriod_Sdk in Mac to recognise the emulator
13. `export ANDROID_SDK=$HOME/Library/Android/sdk`
14. `export PATH=$ANDROID_SDK/emulator:$ANDROID_SDK/tools:$PATH`
15. Note step 12,13 are used only in Mac not in windows
16. If any doubts regarding above step refer <https://stackoverflow.com/questions/26483370/android-emulator-error-message-panic-missing-emulator-engine-program-for-x86>

Open the terminal and type the following commands to get emulator through terminal

1.To create the emulator first we should go to `cd /Users/durga/Library/Android/sdk/tools/bin`

2.Then type `avdmanager create avd -n Test-2 -k "system-images;android-27;google_apis;x86"`

Note: If the `-bash: avdmanager: command not found` error exits

3Then replace the `avdmanager` with `android` so that command look like `android create avd -n Test-2 -k "system-images;android-27;google_apis;x86"`

Then output will appear like: -

The "android" command is deprecated.

For manual SDK, AVD, and project management, please use Android Studio.

For command-line tools, use `tools/bin/sdkmanager` and `tools/bin/avdmanager`

4.To get the emulator list type the following command `emulator -list-avds`

5.to activate the emulator type the following command `emulator -avd Test-2` then it will open

Note : to see the where all the emulators are storing go to Folder option and search for `/Users/durga/.android/avd`

It will display all the devices.And actually it is hidden folder to show all the hidden folder refer the website <https://www.macworld.co.uk/how-to/mac-software/hidden-files-mac-3520878/>

For Windows refer <https://www.youtube.com/watch?v=-bbGCclrrtQ> - to create the emulator through cmd line

For Mac follow the above steps to get the result

Note : To run the emulator in with headless then command is `emulator -avd emulator name -no-skin -no-audio -no-window`

`/Users/durga/eclipse-workspace/AppiumTest`

<https://support.apple.com/en-us/HT201253> - to connect the iPhone through wireless

<https://discuss.appium.io/t/multiple-ios-devices-over-wifi/3774/30> to connect the iPhone through wireless

