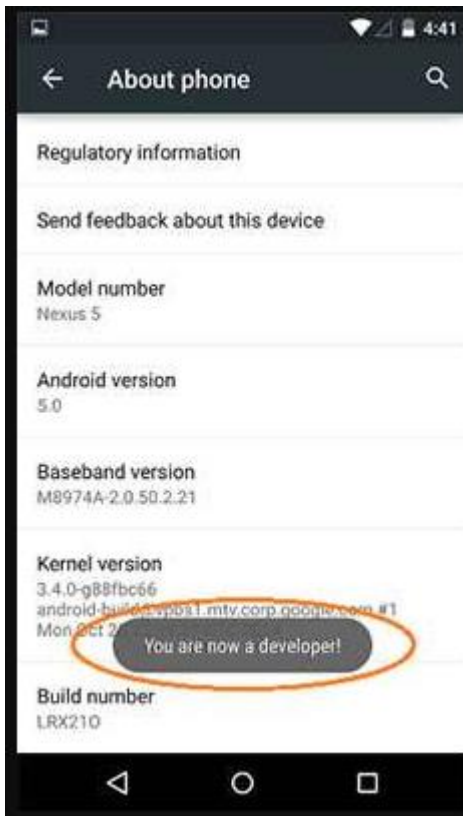


ENABLE USB DEBUGGING STEP BY STEP PROCEDURE

Enable Developer options in your Android Device

1. Settings --> About phone
2. Tap build number --> 7 times (Changes for custom OS)

Now you should see a toast message as “You are now a developer”



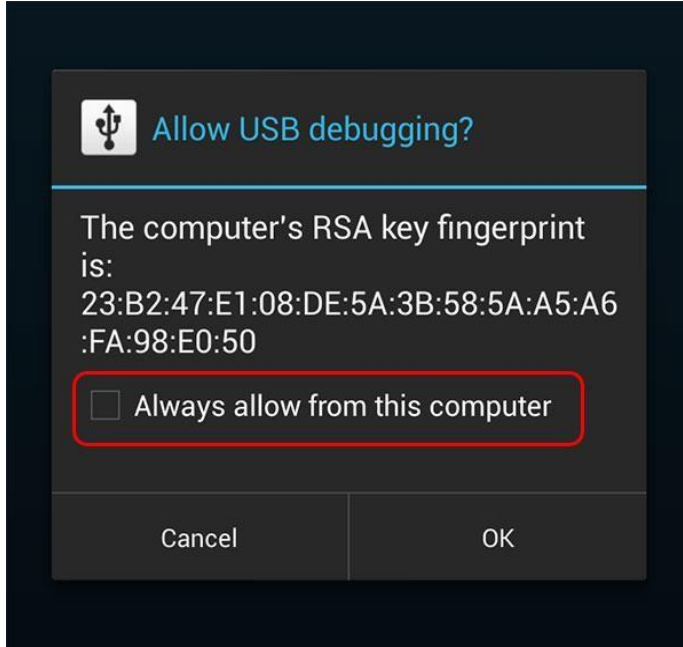
Note: In case you face an issue in enabling the Developer options, check in Google with “How to enable Developer options for <Your Mobile Device model>”. Follow the instructions in the link suggested and enable the developer options

Enable USB Debugging in your Android Device

1. Mobile Device and the laptop/desktop should **not** be connected using USB cable
2. Open Settings application --> Search for Developer options --> Click on the Developer options menu and navigate to that page
3. Scroll to the option as **USB debugging** --> turn it **ON**
4. Scroll to the option as Default USB configuration --> Select as **MIDI (recommended) (or) MTP Protocol**
5. If you are using the **custom OS** then follow the steps in the document for additional steps. If not proceed to the next step.

Appium Enable USB Debugging

6. Connect the mobile device with laptop/Desktop using USB cable (Note: Ensure that USB cable supports data transfer i.e. you have used that cable to transfer media)
7. Open cmd prompt type "**adb start-server**" and hit enter
8. You should see the pop-up to allow USB debugging

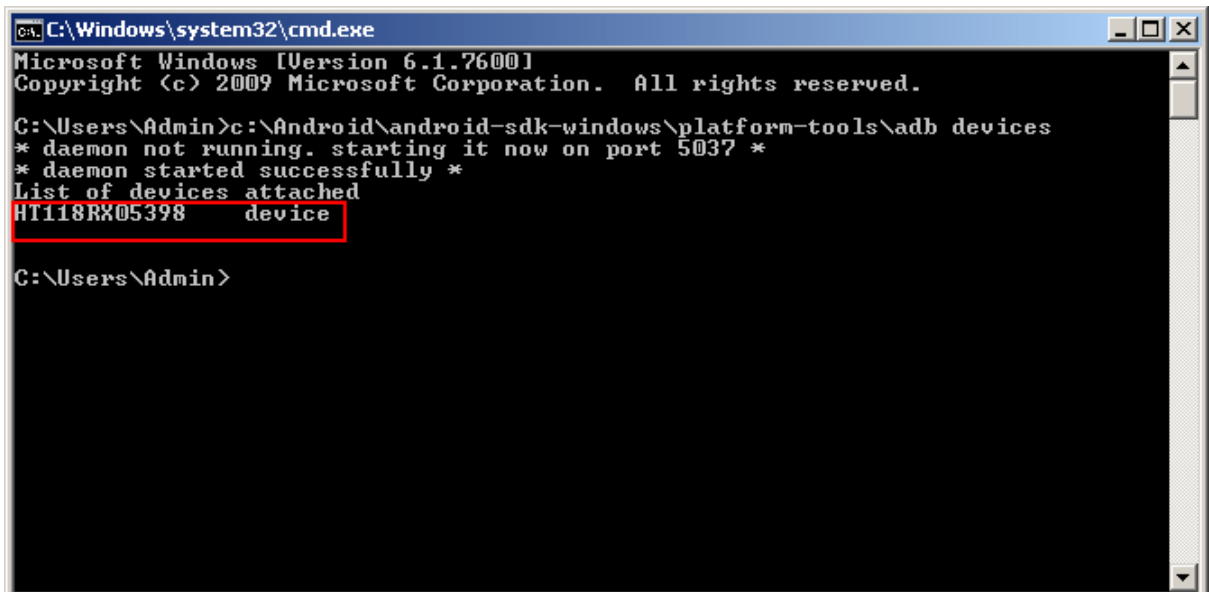


9. Click Always allow check box
10. Click OK button in the pop-up

Note: If you don't see the pop-up then restart the mobile device and laptop and repeat the steps again.

Verify your Android Device is listed in Android Debug Bridge (ADB)

1. Open cmd prompt type "**adb devices**" and hit enter
2. Ensure the device is listed as <udid> device



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7600]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Admin>c:\Android\android-sdk-windows\platform-tools\adb devices
* daemon not running. starting it now on port 5037 *
* daemon started successfully *
List of devices attached
HT118RX05398    device

C:\Users\Admin>
```

Enable additional options in your Custom OS Android Device

1. 1. Mobile Device and the laptop/desktop should **not** be connected using USB cable
2. Open Settings application --> Search for Developer options --> Click on the Developer options menu and navigate to that page
3. Scroll to the option as **Install via USB** --> It should be **Enabled**
4. Scroll to the option as **USB Debugging (Security Settings)** --> It should be **Enabled**
5. Scroll to the option as **Verify apps over USB** --> It should be **Disabled**
6. Scroll to the option as **Verify bytecode of debuggable apps** --> It should be **Disabled**
7. Scroll to the option as **Force allow apps to write on external devices** --> It should be **Enabled**
8. Scroll to the option as **Force allow apps on external** --> It should be **Enabled**
9. Scroll to the option as **Disable permission monitoring** --> It should be **Enabled**

Note: Check if you have above option and update based on need

Note: While the script is being executed check if you are asked to allow to install the apps. In a few devices you need to manually approve the apps to be installed.