

ADB Wireless Connect:

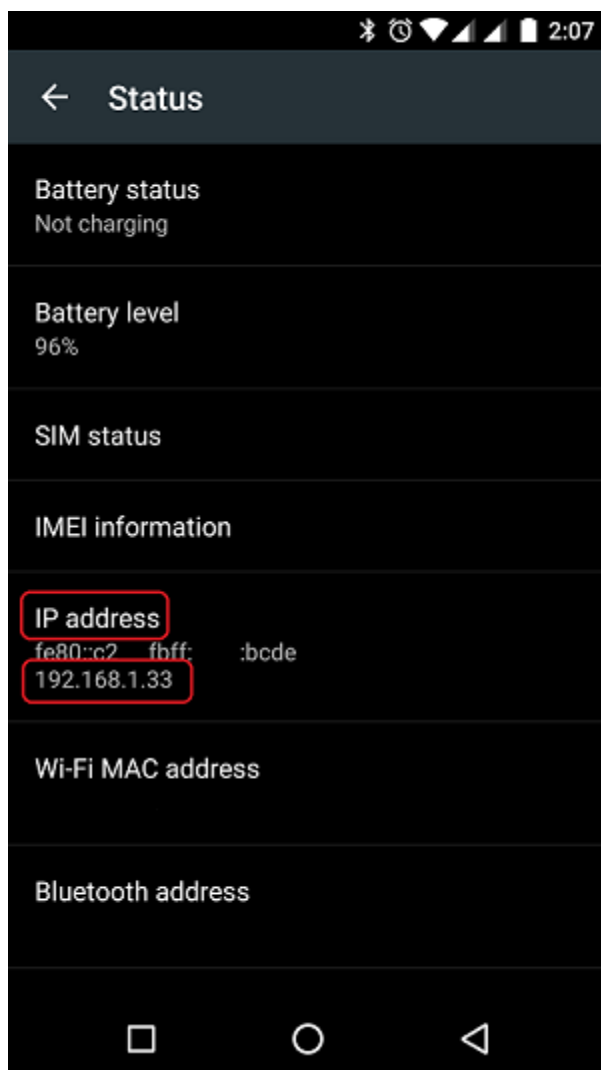
Android devices will be connected with PC using the USB cable for debugging or running the automation script for the mobile application testing. But you could connect the device in wireless itself using the WLAN .Wi-Fi will be used to connect the device instead of USB data cable.

Windows PC and Android device should be connected in the same WLAN network

Verify the Android device IP as follows:

1. Go to 'Settings' in the Android device
2. Select the 'About Phone' option
3. Select the 'Status' option
4. You could see the IP address of the device in the same screen (Please note your device should be connected in Wi-Fi and IP address will be auto-assigned by Router)

Note: It may differ for some mobile models



Verify whether the device is connected with the machine through adb

```
C:\Users\TestLeaf>adb devices
List of devices attached
5489f632      device
```

Now we are going to assign a port to the Android device using the below command

➤ **adb tcpip <port>**

Eg: **adb tcpip 5656**

Please note <port> is user-defined and you can enter any number other than the pre-allocated port number like 80, 22 etc.

Once port number assigned, adb will try assigning that port to Android device and restarting the connection. Please unplug the Android device from the USB data cable and now your device is ready to connect through wireless using the below command.

➤ **adb connect <IP Address>:<port>**

Eg: **adb connect 192.168.1.30:5656**

That's it, your device got connected under wireless mode.

Please note, 5555 port number is allocated by default. If you assign the port number as 5555 using the '**adb tcpip 5555**' command then you can just give '**adb connect 192.168.1.30**' and there is no need to mention about the port number.

```
C:\Users\TestLeaf>adb tcpip 5656
restarting in TCP mode port: 5656

C:\Users\TestLeaf>adb connect 192.168.1.30:5656
connected to 192.168.1.30:5656

C:\Users\TestLeaf>
```

You can connect multiple devices by assigning a separate port for each device using the **adb tcpip <port>** command and save your day by avoiding USB HUB