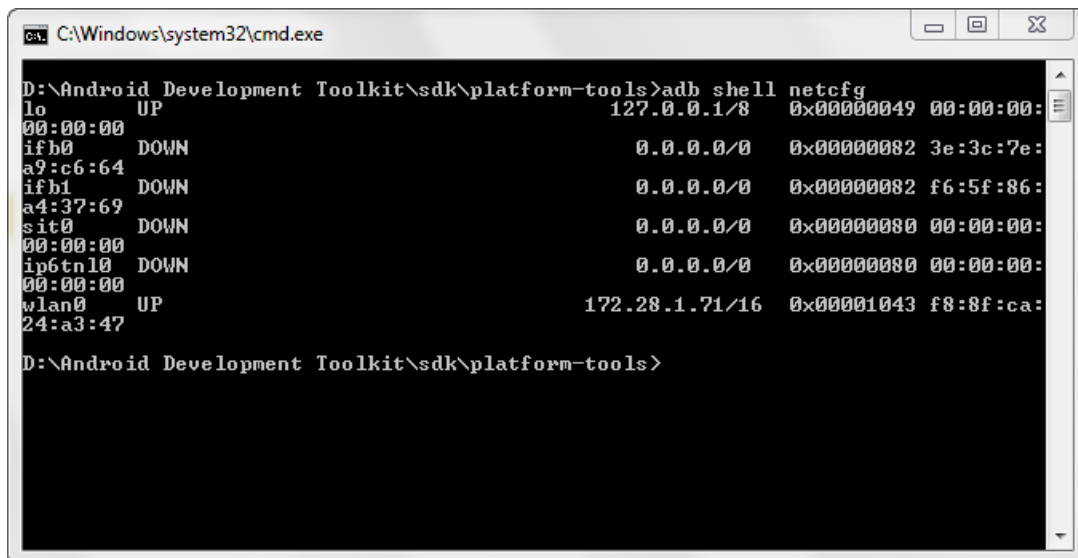


Connect your Android Device through TCPIP(Wi-Fi)

This guide will guide you on how to connect your Android device remotely using TCPIP:

1. Go into the **platform-tools** folder of your **Android sdk**:
2. Open command line over there.
3. By default your **adb** is connected to **USB devices**
4. To check how many devices are connected, use this command **adb devices**
5. In order to get **IP address** of the devices connected via **adb**, use this command **adb shell netcfg**,
6. If multiple devices are connected then use this command **adb [-s DeviceName] shell netcfg**



```
C:\Windows\system32\cmd.exe

D:\Android Development Toolkit\sdk\platform-tools>adb shell netcfg
lo UP 127.0.0.1/8 0x00000049 00:00:00:
00:00:00
ifb0 DOWN 0.0.0.0/0 0x00000082 3e:3c:7e:
a9:c6:64
ifb1 DOWN 0.0.0.0/0 0x00000082 f6:5f:86:
a4:37:69
sit0 DOWN 0.0.0.0/0 0x00000080 00:00:00:
00:00:00
ip6tnl0 DOWN 0.0.0.0/0 0x00000080 00:00:00:
00:00:00
wlan0 UP 172.28.1.71/16 0x00001043 f8:8f:ca:
24:a3:47

D:\Android Development Toolkit\sdk\platform-tools>
```

7. The IP address shown in front of **wlan0 Up** is the IP address of your device which in this case is **172.28.1.71**
8. Now to change the connection of your **adb** from **USB to TCPIP** use this command **adb tcpip 5555** where 5555 is your port number.
9. Now to connect the **adb** to your device remotely through network, use this command **adb connect 172.28.1.71:5555**

```
C:\Windows\system32\cmd.exe

D:\Android Development Toolkit\sdk\platform-tools>adb shell netcfg
lo UP 127.0.0.1/8 0x00000049 00:00:00:
00:00:00
ifb0 DOWN 0.0.0.0/0 0x00000082 3e:3c:7e:
a9:c6:64
ifb1 DOWN 0.0.0.0/0 0x00000082 f6:5f:86:
a4:37:69
sit0 DOWN 0.0.0.0/0 0x00000080 00:00:00:
00:00:00
ip6tnl0 DOWN 0.0.0.0/0 0x00000080 00:00:00:
00:00:00
wlan0 UP 172.28.1.71/16 0x00001043 f8:8f:ca:
24:a3:47

D:\Android Development Toolkit\sdk\platform-tools>adb tcpip 5555:
restarting in TCP mode port: 5555

D:\Android Development Toolkit\sdk\platform-tools>adb connect 172.28.1.71:5555
connected to 172.28.1.71:5555

D:\Android Development Toolkit\sdk\platform-tools>
```

10. Your device is connected via **TCPIP**. Now when you will use command **adb devices** you will see that you are connected through **TCPIP** as shown below.

```
C:\Windows\system32\cmd.exe

restarting in TCP mode port: 5555

D:\Android Development Toolkit\sdk\platform-tools>adb connect 172.28.1.71:5555
connected to 172.28.1.71:5555

D:\Android Development Toolkit\sdk\platform-tools>adb shell netcfg
lo UP 127.0.0.1/8 0x00000049 00:00:00:
00:00:00
ifb0 DOWN 0.0.0.0/0 0x00000082 3e:3c:7e:
a9:c6:64
ifb1 DOWN 0.0.0.0/0 0x00000082 f6:5f:86:
a4:37:69
sit0 DOWN 0.0.0.0/0 0x00000080 00:00:00:
00:00:00
ip6tnl0 DOWN 0.0.0.0/0 0x00000080 00:00:00:
00:00:00
wlan0 UP 172.28.1.71/16 0x00001043 f8:8f:ca:
24:a3:47

D:\Android Development Toolkit\sdk\platform-tools>adb devices
List of devices attached
172.28.1.71:5555 device

D:\Android Development Toolkit\sdk\platform-tools>
```

11. To switch back the **adb** to **usb** you can use the command **adb usb**

```
D:\Android Development Toolkit\sdk\platform-tools>adb usb
restarting in USB mode

D:\Android Development Toolkit\sdk\platform-tools>
```

12. To disconnect any device use this command **adb disconnect [devicename or IPAddress+PortNumber]** e.g **adb disconnect 172.28.1.71:5555**

Note: This tutorial was made by connecting a single device, so things might change a little bit when you have 2 or more devices connected. You will have to use the command **adb [-s DeviceName]** in order to connect to a specific device. More information can be found here:

<http://developer.android.com/tools/help/adb.html#directingcommands>