

# SET UP CHARLES FOR ANDROID DEVICE

**PREPARED FOR**

Android Dev community

**PREPARED BY**

Nehal

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## 1. What is Charles Proxy?

Charles Proxy is a HTTP/HTTPS traffic viewer by which you can view the traffic between your device and the internet. Charles can be used to see what is happening for debugging and testing apps as request/response.

## 2. Install and Register Charles Proxy

1. Download Charles Proxy [here](#).
2. On the Charles menu bar, go to Help > Register Charles.... You can also use a trial version with some limitations.

## 3. Setup Proxy

1. Open Charles
2. Enable Proxy
  - a. Go to "Proxy" > "Proxy Setting..." > Select Tab "Proxies"
  - b. Under HTTP Proxy, Fill "Port" with 8888
  - c. Check "Support HTTP/2" and "Enable transparent HTTP proxying"
  - d. Click "OK"
3. Enable SSL Proxying
  - a. Go to "Proxy" > "SSL Proxying Setting..." > Select Tab "SSL Proxying"
  - b. Check "Enable SSL Proxying"
  - c. Fill Include> Location> \*.\* and ensure it's checked
  - d. Click "OK"

## 4. Connect Your Devices (Android)

1. Open Android device, Go to *Settings* > *WiFi* and connect to the network your computer is connected to
2. Long press (on the right end) the network until the modal appears, then click *Modify Network*. Select *Advanced Options* to reveal proxying options. Configure the following:

**Proxy:** Manual

**Proxy hostname:** [Your computer's IP Address]

**Port: 8888**

**Tip:** To get IP Address, open terminal and type “`ipconfig getifaddr en0`” and hit enter to get IP Address

## 5. Install SSL Certification on Your Devices

1. On your Charles, Go to Help > SSL Proxying > Install Charles Root Certificate on a Mobile Device...
2. On your Android device, follow the instruction Open Chrome on Android device, type <http://chls.pro/ssl> and download the certificate.
3. Go to Downloads on Android device, select downloaded certificate and change extension name to “.cer” from “.pem” and save it.
4. Go to Help > SSL Proxying > Install Charles Root Certificate

Above step ensures Charles certificate is added as a trusted source.

**Voila, you are done!!!!**

## Few tips for better experience

1. For avoiding logs from your mac/windows device

Open Charles, go to “Proxy” > Uncheck “macOS Proxy”

2. For avoiding logs from other host

Open Charles, go to “View” > “Focussed Hosts” Click on “Add” and configure the following:

**Protocol:** https

**Host:** \*.hostname.com

**Port:** \*