Re: Configuring dhcpcd in Raspbian Stretch

•

Wed Aug 30, 2017 1:34 pm

I have my RPi3 working as an AP with one caveat. The dnsmasq service will not start on boot.

Edit: Fixed boot problem. See new /etc/dnsmasq.conf below.

DO NOT MODIFY /etc/network/interfaces FILE!

My /etc/dhcpcd.conf addition:

Code: **Select all**
```
interface wlan0
static ip_address=192.168.4.1/24
static routers=192.168.4.1
static domain_name_servers=8.8.8.8
```
My /etc/dnsmasq.conf file

Code: **Select all**
```
interface=wlan0
domain-needed
bogus-priv
dhcp-range=192.168.4.8,192.168.4.250,12h
```
My /etc/hostapd/hostapd.conf file

Code: **Select all**
```
interface=wlan0
driver=nl80211
ssid=RPiNet
hw_mode=g
channel=7
wmm_enabled=0
macaddr_acl=0
auth_algs=1
ignore_broadcast_ssid=0
wpa=2
wpa_passphrase=mypassphrase
wpa_key_mgmt=WPA-PSK
wpa_pairwise=TKIP
rsn_pairwise=CCMP
```
Edit /etc/default/hostapd and change this:

Code: **Select all**
```
DAEMON_CONF="/etc/hostapd/hostapd.conf"
```
The next section is required only if you are wanting to access the internet through the ethernet connection.

Edit /etc/sysctl.conf and uncomment

Code: **Select all**
```
net.ipv4.ip_forward=1
```
My iptables rules. Replace ethX with your ethernet interface name from ifconfig.

Code: **Select all**
```
sudo iptables -t nat -A  POSTROUTING -o ethX -j MASQUERADE
sudo iptables -A FORWARD -i ethX -o wlan0 -m state --state RELATED,ESTABLISHED -j ACCEPT
```

sudo iptables -A FORWARD -i wlan0 -o ethX -j ACCEPT
Edit: Changed masquerade to MASQUERADE.