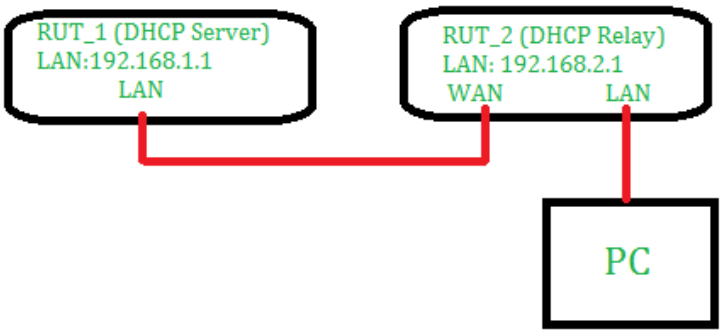
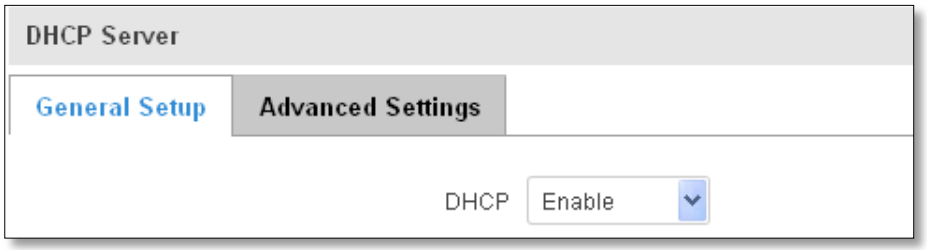
RUT9 DHCP Relay test configuration

1. To test DHCP Relay will be needed two RUT9 routers.
2. RUT_1 LAN IP - 192.168.1.1;
   RUT_2 LAN IP -192.168.2.1
3. Connect one end of LAN cable to LAN port in RUT_1, connect other end to WAN port in RUT_2. Connect PC to RUT_2



4. Configure Router (RUT_1) to act as DHCP Server. RUT_1: Via **Network -> LAN** turn on DHCP server.



5. Via **SSh:**

- /etc/init.d/dnsmasq stop
- vi /var/etc/dnsmasq.conf
- dhcp-range=lan, 192.168.2.100, 192.168.2.200, 255.255.255.0, 12h
- host-record=Teltonika-RUT950.com.lan, Teltonika – RUT950.com, 192.168.2.1

```
host-record=Teltonika-RUT950.com.lan,Teltonika-RUT950.com,192.168.2.1


dhcp-range=lan,192.168.2.100,192.168.2.200,255.255.255.0,12h
```

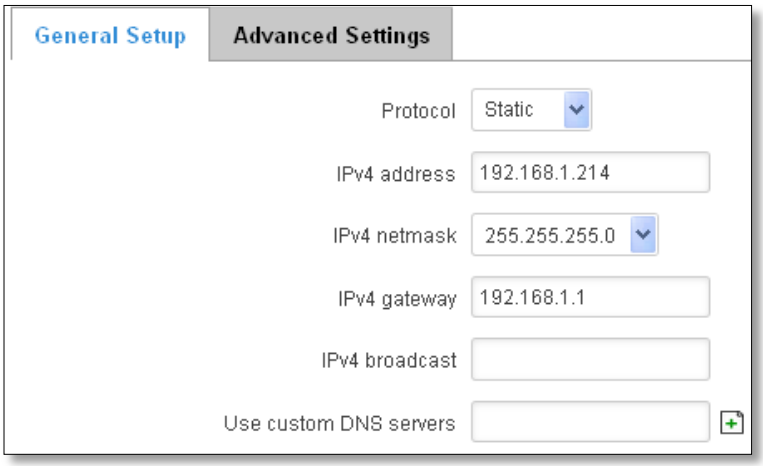
6. Add route:

- /usr/sbin/dnsmasq -C /var/etc/dnsmasq.conf
- route add 192.168.2.1 gw 192.168.1.214 (192.168.1.214 IP address which RUT_2 get from RUT_1 – you can check it in the **Status -> Network -> LAN ->DHCP Leases**)
- /etc/init.d/dnsmasq start

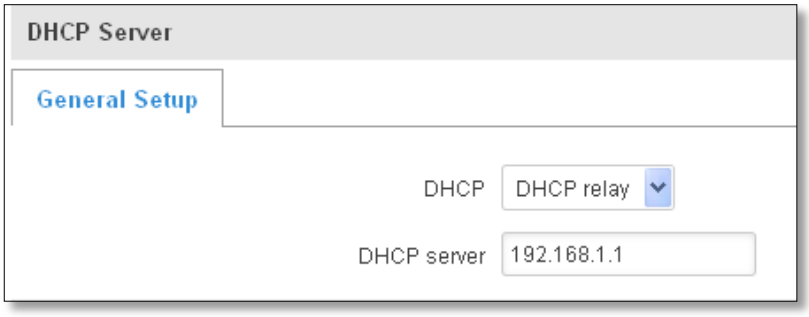
```
root@Teltonika:~# /usr/sbin/dnsmasq -C/var/etc/dnsmasq.conf
root@Teltonika:~# route add 192.168.2.1 gw 192.168.1.214
root@Teltonika:~# /etc/init.d/dnsmasq start
```

7. Configure router RUT_2

7.1. Via **Network ->WAN ->General settings** configure wired WAN:

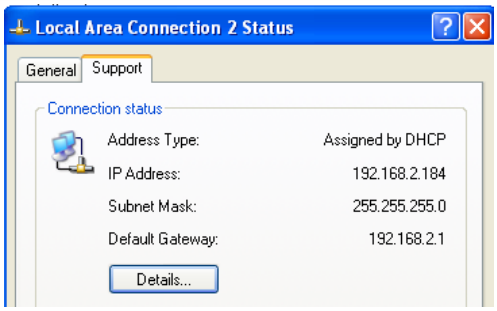


7.2. At LAN settings select DHCP Relay; DHCP server 192.168.1.1



7.3. Navigate to **Network -> Firewall -> Traffic rules** and turn on rule "Allow-DHCP-Relay"

8. Your PC should get IP between 192.168.2.100/192.168.2.200
You can check your PC's IP via **Control Panel -> Network and Internet Connections -> Network Connection -> Status**



9. If unplug WAN cable from RUT_2, PC shouldn't get IP address.