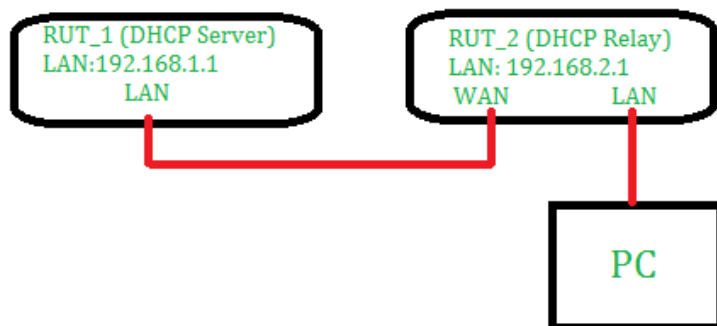


RUT9 DHCP Relay test configuration

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.

DHCP Server

General Setup Advanced Settings

DHCP Enable

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:

General Setup Advanced Settings

Protocol Static

IPv4 address 192.168.1.214

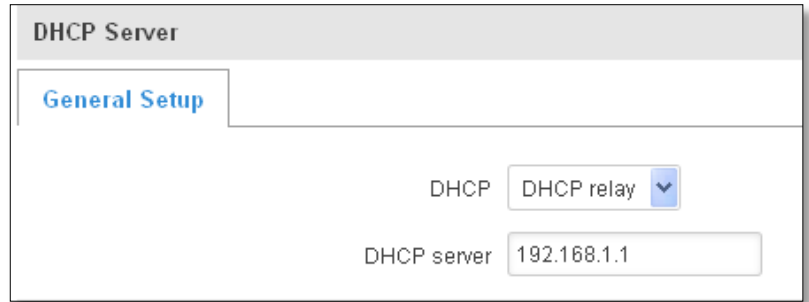
IPv4 netmask 255.255.255.0

IPv4 gateway 192.168.1.1

IPv4 broadcast

Use custom DNS servers

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

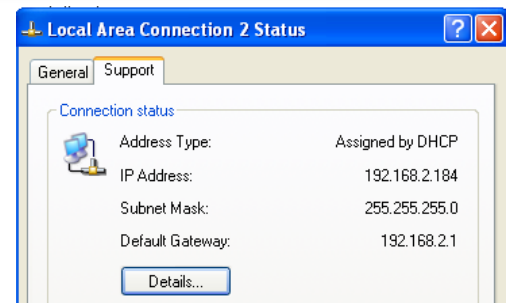
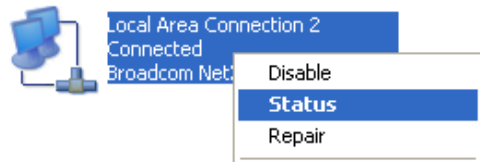


The screenshot shows the 'DHCP Server' configuration window with the 'General Setup' tab selected. The 'DHCP' dropdown menu is set to 'DHCP relay'. The 'DHCP server' text box contains the IP address '192.168.1.1'.

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

Name	Protocol	Source	Destination	Action	Enable	Sort	
Allow-DHCP-Relay	UDP	From any host in wan	To any router IP at port 67 on this device	Accept input	<input checked="" type="checkbox"/>		<div><div></div><div></div></div> <div>Edit</div> <div>Delete</div>

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.