RUTX14

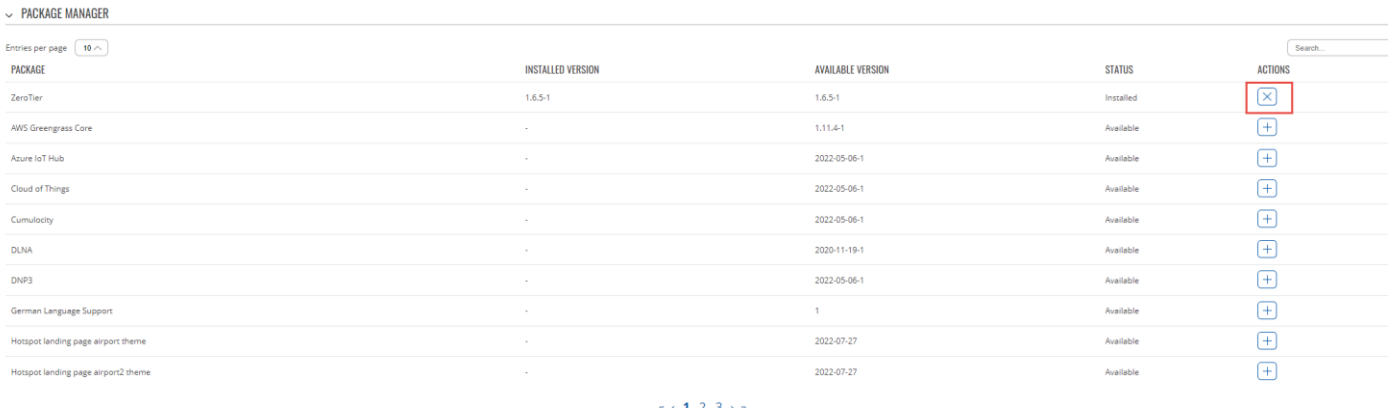
The base of this paper is:
https://zerotier.atlassian.net/wiki/spaces/SD/pages/7438339/Layer+2+Bridging+with+LEDE+OpenWRT)

Initial name/PW: admin/admin01

Zerotier (Router config done from PC connected to the router)

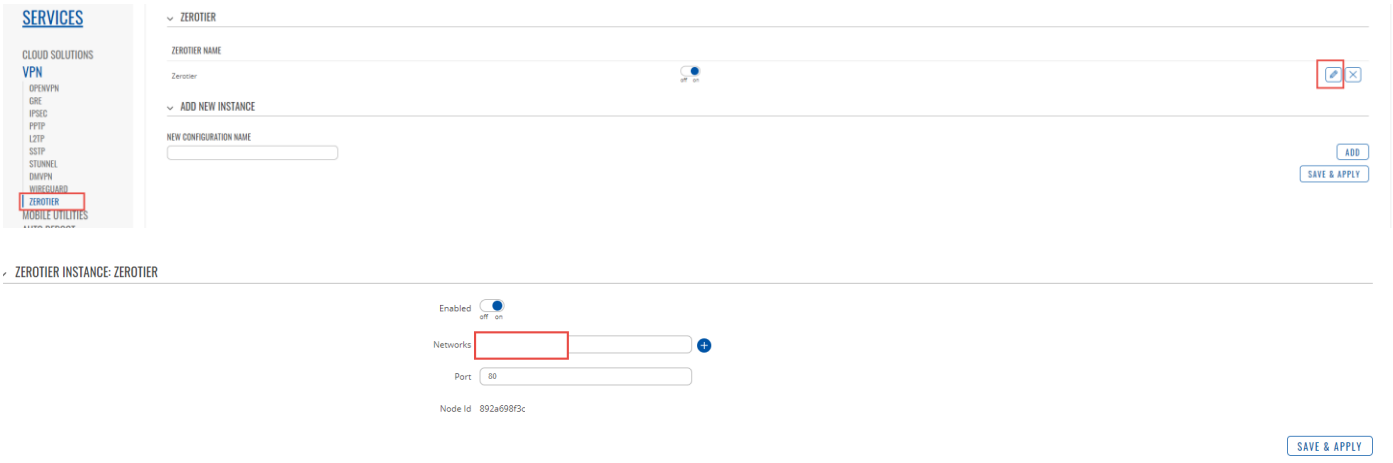
Connect to router (WLAN, WiFi)

Go to: Services→Package Manager and install Zerotier (Press + button for installation)



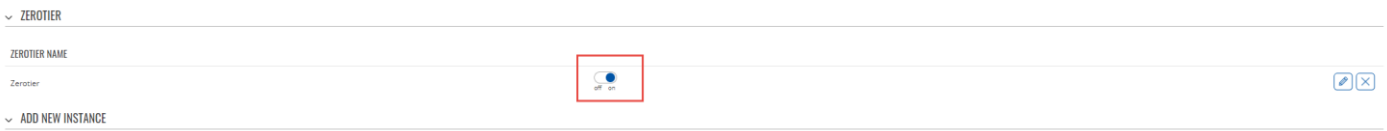
RUTX14 (according to:

Goto Services→VPN→Zerotier and add “Remote Station” service.



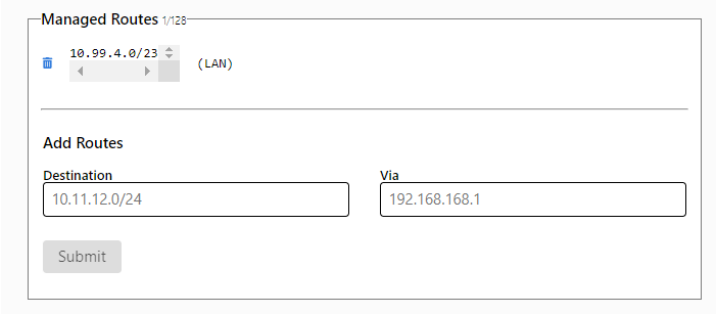
(My ID whitened)

Save and apply. Switch it on

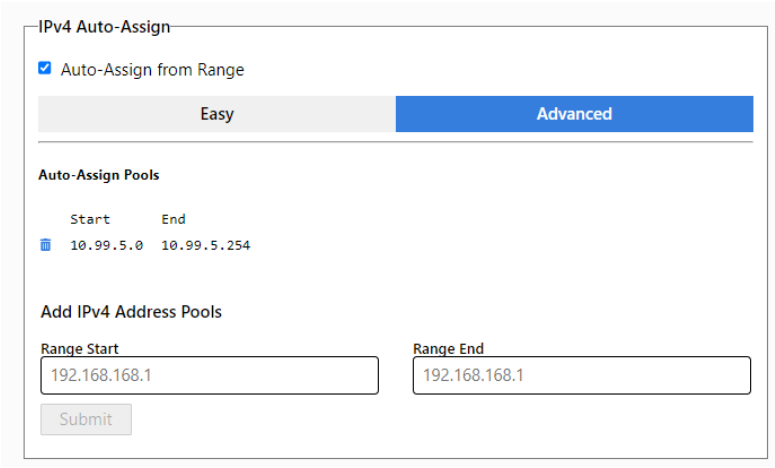


Now it should appear in the Zerotier Dashboard on your PC. Accept it and enable Ethernet bridging (as shown in video)

Add new managed route (leave via empty):



And assign a network:



Now you can connect to the router with ping and the Zerotier address

Login with Router's Zerotier address (10.99.5.xx):

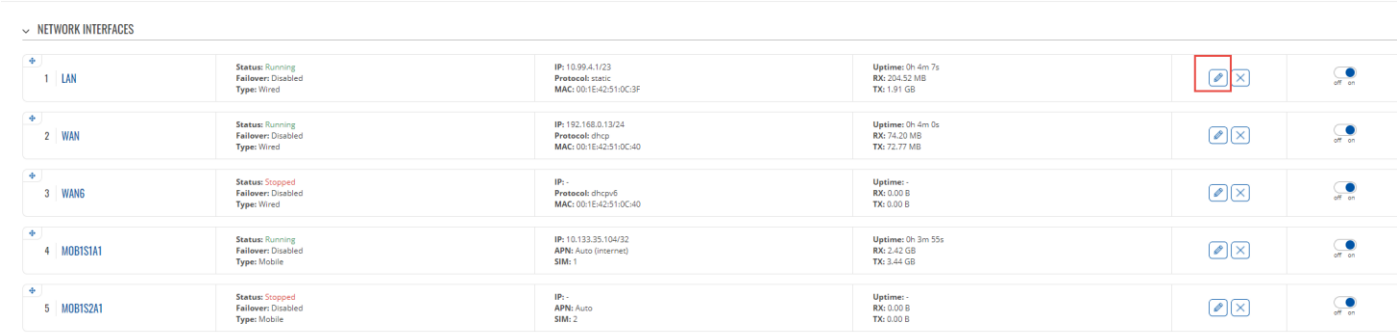
Go to System→CLI, login with your credentials, and type

```
ifconfig
```

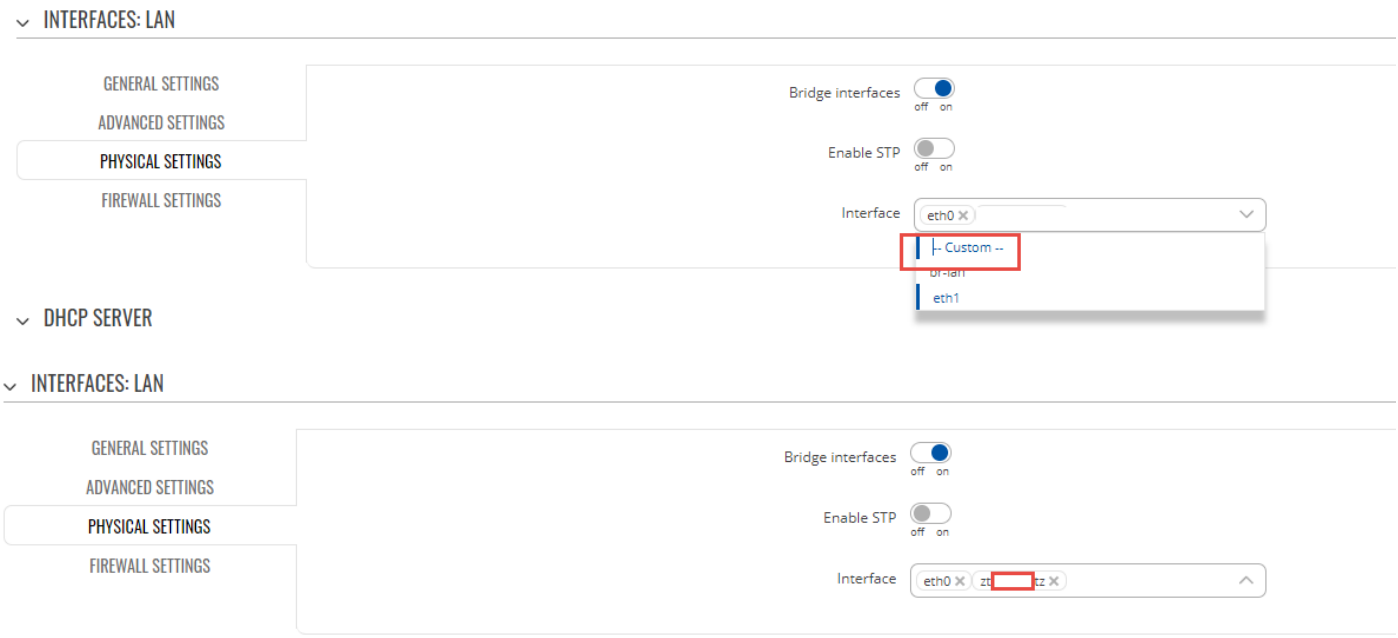
Look for ZeroTier virtual interface name and write it down. It should look something like this ***zxxxxxxx***.

```
zt[redacted]tz Link encap:Ethernet  HWaddr 32:D5:65:43:39:C8
          inet addr:10.99.5.86  Bcast:10.99.5.255  Mask:255.255.254.0
          UP BROADCAST RUNNING MULTICAST  MTU:2800  Metric:1
          RX packets:5509 errors:0 dropped:0 overruns:0 frame:0
          TX packets:9747 errors:0 dropped:0 overruns:0 carrier:0
          collisions:0 txqueuelen:1000
          RX bytes:617785 (603.3 KiB)  TX bytes:3107307 (2.9 MiB)
```

With this zxxxxxx name go to *Network -> Interfaces* and edit LAN



(same window as for IP config). In new window go to "*Physical settings"* and press dropdown menu for "Interface", at "Custom" add ZeroTier interface name to bridge it and save everything. This should look similar like this:



1. Go back to CLI and execute vi /etc/config/network
2. Press <insert> on your keyboard in order to edit the configuration
3. On the lan interface change *option metric* to 0:

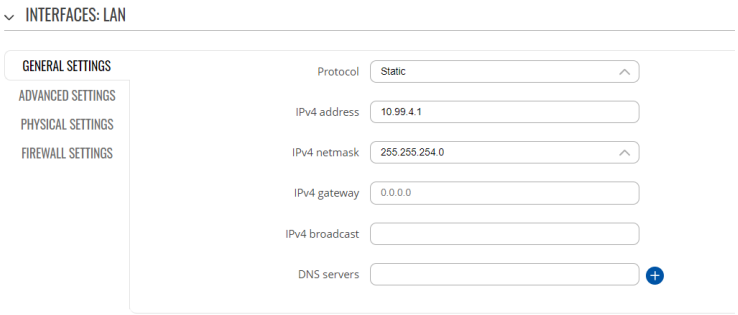
```
config interface 'lan'
        option type 'bridge'
        option proto 'static'
        option ifname 'eth0 zt[redacted]z'
        option disabled '0'
        option metric '0'
        option stp '0'
        option netmask '255.255.254.0'
        option ipaddr '10.99.4.1'
```

Check if others are the same as shown here (your zxxxxxxxx number should be here)

4. Press esc key and *:wq* to save changes and exit

5. Restart network service by executing */etc/init.d/network restart*

6. Configure router LAN IP to 10.99.4.1, subnet 255.255.254.0



7. From your shack PC, the IP address of the router is now 10.99.4.1. Check if you see the Flex Radio connected to one of the LAN ports using Advanced IP Scanner (https://www.advanced-ip-scanner.com/)