LAN as WAN RutOS

The information on this page is updated in accordance with the **00.07.4** firmware version .

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Introduction

This article contains instructions on how to set up LAN port as WAN on RUTxxx if you have a need for multiple wired WAN connections.

Configuration overview and prerequisites

Before we begin, let's overview the configuration that we are attempting to achieve and the prerequisites that make it possible.

Prerequisites:

- One RUTxxx series router.
- At least two wired Internet connections.
- An end device for test the configuration.

Configuration scheme:

Setting up second WAN interface

To change LAN port purpose to WAN you will have to perform changes in 3 different locations of RUTxxx WebUI

Creating additional VLAN

Go to **Network > VLAN** section in device WebUI and perform following actions:

- Create new **VLAN ID** by clicking **ADD** button.
- On VLAN ID: 1 (LAN interface), select **Off** from drop-down list, on port that you want to use as secondary WAN.
- On newly created VLAN ID (3 in this example), from drop-down list, select **Untagged**, on same port.
- After performing these actions press **Save & Apply** in VLAN settings.

Add new WAN interface

Go to **Network > Interfaces** WebUI section.

- Enter new **Interface Name**.
- Click on **Add** button.

After doing that you will be redirected to new window to set up new interface, when there:

- Choose **DHCP** Protocol from drop-down list.
- Press on **Switch Protocol**.

If there is need to use a **static IP** instead of **DHCP option** select **Static** option and specify:

- IPv4 address
- IPv4 netmask
- IPv4 gateway
- IPv4 broadcast
- DNS servers

After switching protocol More setting options will appear.

- Go to **Physical Settings**.
- From drop-down list choose previously created VLAN interface (in this example it is eth0.3)
- Press **Apply & Save**.

Set/Check Firewall

Go to **Network > Firewall > General Settings** WebUI section. Click on Edit button on WAN zone.

In WAN zone settings

- Make sure that yours newly created interface is selected in Covered networks list.
- Click Save & Apply.

Check new WAN interface

Insert WAN cable in selected port, go to **Network > Interfaces** WebUI section and if you followed steps correctly yours newly created WAN interface should be running and have an IP. 

Testing the configuration

Your device should now have two wired WAN connections.

- Set the Wired (WAN) interface as the main WAN connection.
- Set the new interface as WAN failover and save the changes.
- Go to [www.whatsmyip.com] and check your public IP address.
- Then unplug the main WAN cable and check again. If the interface failed over correctly, the website should show a different IP address than before.
- Plug the main WAN cable back in and wait a bit. Refresh the website; the IP should have change back to the one shown in the first place.