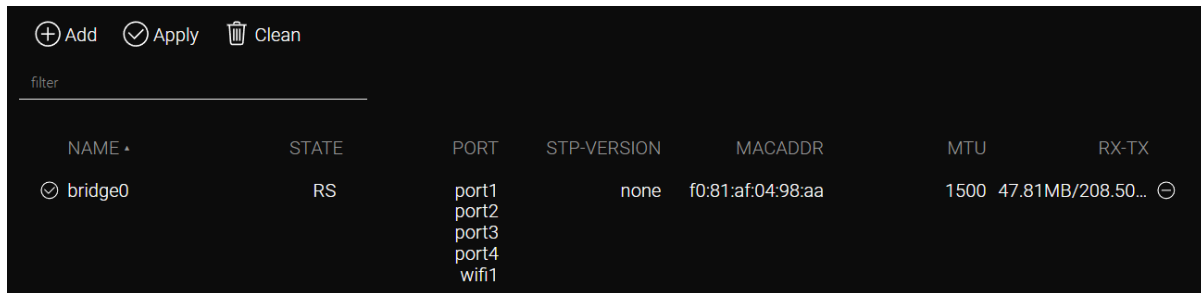


Wired Network Configuration

Wired network parameters are configured in the `/network/bridge` section.



NAME	STATE	PORT	STP-VERSION	MACADDR	MTU	RX-TX
bridge0	RS	port1 port2 port3 port4 wifi1	none	f0:81:af:04:98:aa	1500	47.81MB/208.50...

A **bridge** is a virtual **Layer 2 (L2)** network device that integrates physical or logical interfaces into a single network segment.

The bridge operates as a virtual switch, aggregating multiple physical interfaces (configurable in `/network/ethernet`) or logical network interfaces (configurable in `/network/device`, `/wireless/network`, or `/tunnel`). By default, all device ports are grouped into `bridge0`.

Basic Parameters

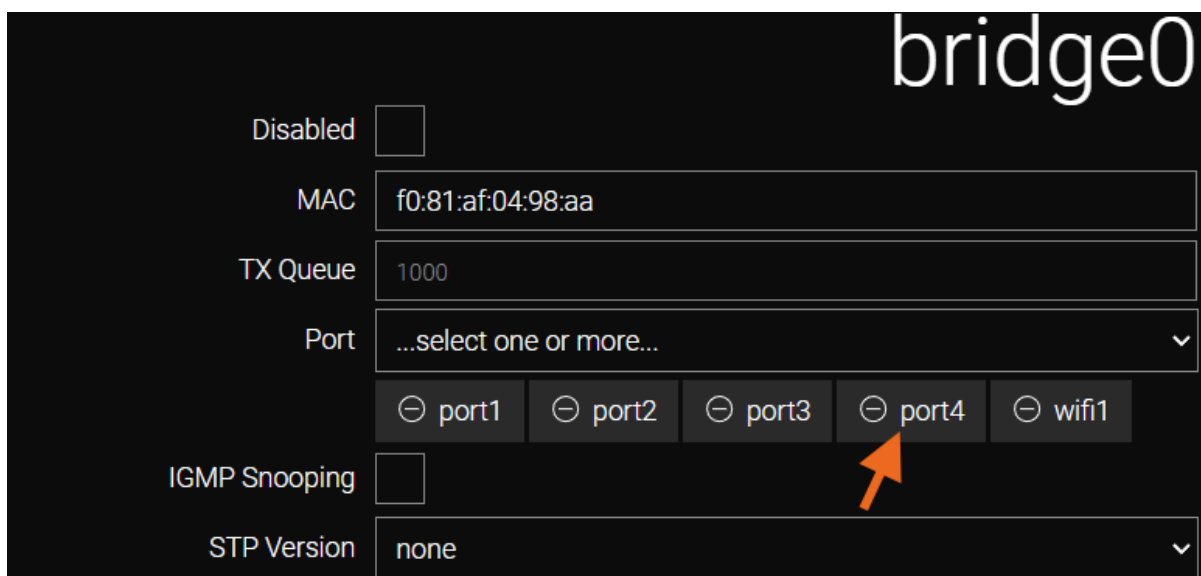
- **Disabled** — Disables the bridge.
- **MAC** — Assigns a MAC address. If not specified, the address is generated automatically.
- **Port** — Configures the list of interfaces aggregated within the bridge.

Configuration Example

Objective: Integrate devices connected to `port2` and `port4` into a single network segment.

1. Release the ports:

- Navigate to `/network/bridge/bridge0`.
- Remove `port2` and `port4` from the list by clicking the minus (-) button.
- Apply the settings by clicking **Apply**.



bridge0

Disabled

MAC f0:81:af:04:98:aa

TX Queue 1000

Port ...select one or more...

⊖ port1 ⊖ port2 ⊖ port3 ⊖ port4 ⊖ wifi1

IGMP Snooping

STP Version none

 Do not remove the port used to connect the router to the PC. This will result in loss of access to the device.

2. Create a new bridge:

- Navigate to the `/network/bridge` section.
- Click **Add** to create a new bridge and specify a name (e.g., `bridge1`). Permitted characters include letters (A-Z, a-z), digits (0-9), and underscores (`_`).

OK Close

Name

- Add the required interfaces from the **Port** dropdown menu (in this example: `port2`, `port4`).
- Apply the settings by clicking **Apply**.

bridge1

Disabled

MAC

TX Queue

Port

IGMP Snooping

STP Version

port1

port2

port3

port4

wifi1

Both virtual network devices and their respective parameters are now displayed on the `/network/bridge` page.

+ Add ✓ Apply 🗑 Clean

filter

NAME	STATE	PORT	STP-VERSION	MACADDR	MTU	RX-TX
WAN	XS		none	9a:cd:cb:70:86:05	1500	0.00KB/0.00KB
bridge0	RS	port1 port2 port3 wifi1	none	f0:81:af:04:98:aa	1500	48.40MB/208.85...
bridge1	S	port2 port4	none	26:12:2c:f1:37:5d	1500	0.00KB/0.00KB

3. Assign an IP address:

- Navigate to */ip/interface*.
- Click **Add** and select *bridge1* from the list (created in step 2).
- Specify the type as *static*.

Device: Base physical interface for virtual IP interface creation

Type: Interface creation type

- Go to the newly created interface at */ip/interface/bridge1*.
- Enter the IP address (e.g., *192.168.2.1/24*).
- Apply the settings by clicking **Apply**.

NAME	STATE	TYPE	METRIC	IP-ADDRESS	UPTIME	MTU	RX-TX
bridge0	RS	static	0	192.168.12.1/24	00:23:26	1500	48.49MB/208.9...
bridge1	RS	static	200	192.168.12.2/24	00:00:59	1500	0.00KB/0.00KB

Both virtual network devices and their respective parameters are now displayed on the */ip/interface* page.

NAME	STATE	TYPE	METRIC	IP-ADDRESS	UPTIME	MTU	RX-TX
bridge0	RS	static	0	192.168.12.1/24	00:23:26	1500	48.49MB/208.9...
bridge1	RS	static	200	192.168.12.2/24	00:00:59	1500	0.00KB/0.00KB

CLI Configuration

Removing ports from *bridge0*.

```
admin@Router[>]network bridge bridge0
admin@Router[/network bridge bridge0]>port -port2 -port4
admin@Router[/network bridge bridge0]>..
admin@Router[/network bridge bridge0]>apply
```

Creating a new bridge and adding ports.

```
admin@Router[/network bridge]>add name=bridge1
admin@Router[/network bridge bridge1]>port port2 port4
admin@Router[/network bridge bridge1]>apply
```

Creating an interface in */ip/interface* and assigning an IP address.

```
admin@Router[>]/ip interface add device=bridge1 type=static
admin@Router[/ip interface bridge1]>ip-address 192.168.2.1/24
admin@Router[/ip interface bridge1]>apply
```