

# Setting up a static public IP 1:1 NAT in a LAN

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## 1.1 Need

You would like to reroute the incoming Internet traffic of a particular IP address to a defined host (IP) in the customer network (LAN). Connections to the Internet from the defined LAN host will be made with the same IP address.

## 1.2 Description

In the Centro Business Router GUI, a static 1:1 NAT (Network Address Translation) rule can be created to reroute Internet traffic between a public IP address and an IP address in the customer network (LAN). The rule is defined in the router in such a way that either all traffic or just the traffic from individual ports is translated 1:1. The LAN host with the defined LAN IP address can therefore be reached via the Internet at the same public IP address and, at the same time, the host can be reached from the customer network (LAN) with the LAN IP address. The defined LAN host can be connected to any LAN port on the Centro Business.

## 1.3 Requirements/Limitations

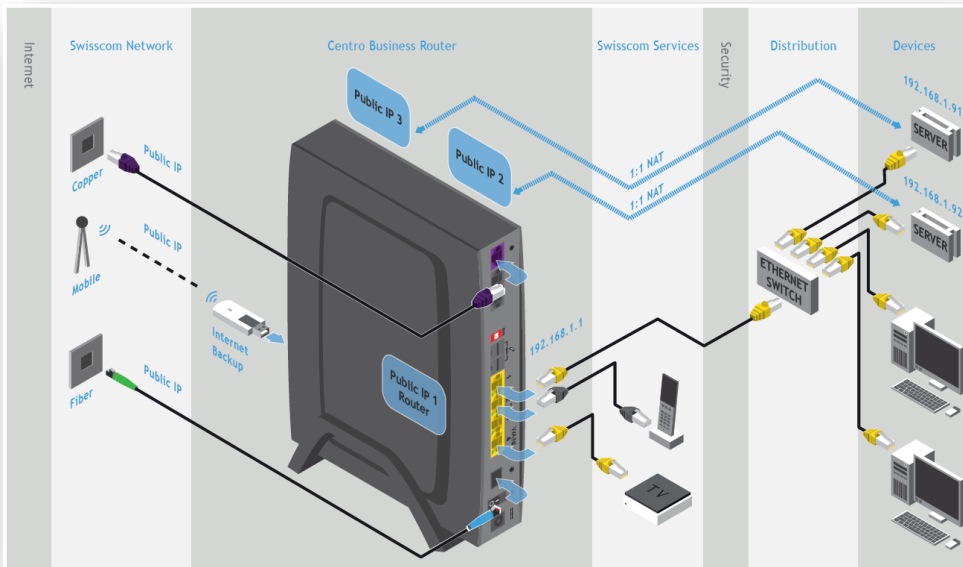
### Requirements:

- Swisscom Contract: My SME Office, Business Internet Services, Business Internet Light, Enterprise Connect XS
- Centro Business 2.0 with current firmware version. You can find the firmware on the official Centro Business help page under [Update Firmware](#)
- Access to the router portal is established
- Multiple static IP addresses (at least 4 IPs)

### Limitations:

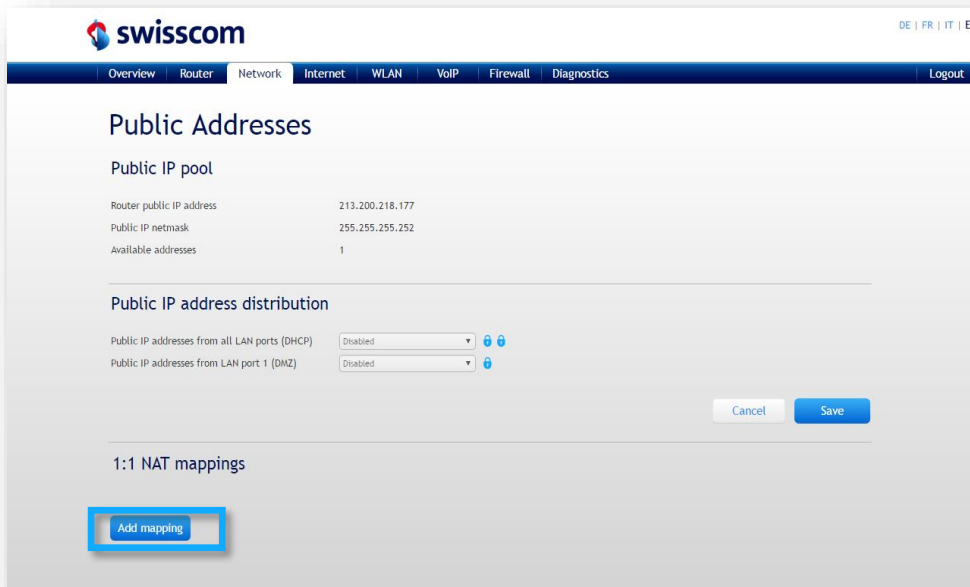
- With a defined 1:1 NAT, the public DMZ can no longer be used
- If the Local Security Gateway is activated, a 1:1 NAT cannot be activated

## 1.4 Illustration\*

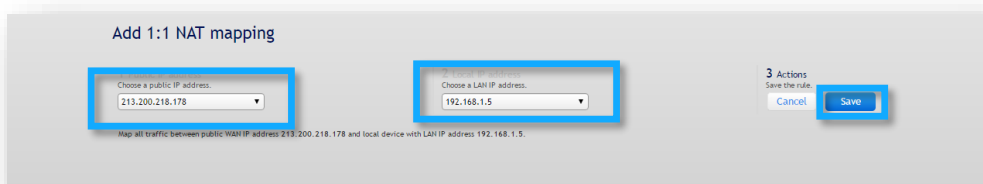


## 1.5 Setting up a 1:1 NAT

In your router settings, select **Network > Public Addresses**, then click on **Add mapping**.



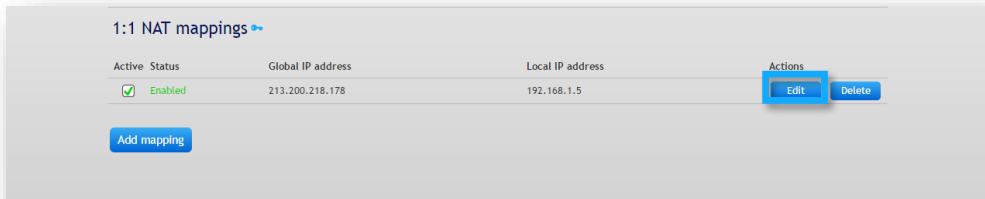
- Select the public IP address
- Select the LAN IP address or enter the desired IP address
- Save



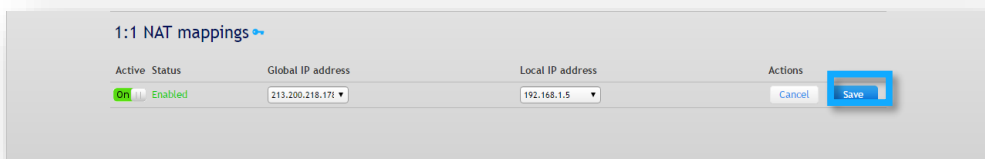
\* The illustration is identical for both Centro Business 1.0 and Centro Business 2.0.

## 1.6 Amending/deleting 1:1 NAT rules

Defined NAT rules can be viewed under **Network > Public Addresses**. You can change them by clicking on **“Edit”**.



If you have made any changes, you can finish by clicking on **Save**. You can delete existing 1:1 NAT rules by clicking on **“Delete”**.



## 1.7 Deactivating/activating 1:1 NAT rules

Defined NAT rules are listed under Settings, Network, Public addresses. In the **“Active”** column, the status of each NAT rule is indicated, showing whether the rule is active or not. In order to deactivate an active NAT rule, click on the relevant checkbox. The same applies to reactivate a deactivated NAT rule.

## 1.8 Further tips

If you as LAN host set up a security gateway, make sure the IP addressing of the Centro Business is different from that of the security gateway. Note that the addressing of the security gateway’s inactive subnetworks must be taken into account.