Access from External Network without NAT

Access from LAN to External Network without NAT

If necessary (as a rule, when SafeUTM is located inside a LAN, and not on the border with the Internet), it is possible to organize direct access to some resources of networks external to SafeUTM without using NAT.

For example, let's analyze the firewall configuration for non-NAT access to IP address: **10.0.0.1** (in general, it can also be a network or a range of IP addresses).

1. Turn off the parameter **Automatic local SNAT** in **Traffic Rules -> Firewall.**
2. In the firewall, in the SNAT table, create a rule with the action **Don't use SNAT** for this destination IP address.

Protocol

Any ▾

Source

✳ Any ⊗ Select source IP-addresses ▾

Destination

IP 10.0.0.1 ⊗ Select destination IP-... ▾

Outgoing interface

Any ▾

Time of action

✳ Any ⊗ Select time period ▾

Action

○ SNAT

◉ Don't use SNAT

Comment

Save   **Cancel**

3. With the next rule, create SNAT rules for your local network (so that other hosts work via NAT).

Protocol
Any ▼

Source
🔲 IP My local networks ⊗   Select sourc... ▼

Destination
✳ Any ⊗   Select destination IP-addr... ▼

Outgoing interface
Any ▼

Time of action
✳ Any ⊗   Select time period ▼

Action

🔘 SNAT

⚪ Don't use SNAT

Change source IP-address

Only if there are several IP addresses on the network
interface and SNAT from a specific IP address is
required

Comment

[**Save**] [Cancel]

The final firewall rules look like this:

FORWARD   DNAT (port forwarding)   INPUT   SNAT

Translation of local addresses to external addresses

[**+ Add**]   Display object names ▼   ▥ Columns   ☰ Filters   ☰ Density

Protocol	Source	Destination	Destination p...	Action	Operation cou...	Comment
✳ Any	✳ Any	🔲 IP 10.0.0.1	✳ Any	Don't use S...		
✳ Any	🔲 IP My loca...	✳ Any	✳ Any	SNAT		

On LAN devices, SafeUTM must be used as the main gateway, or the necessary route to
external IP addresses through SafeUTM must be prescribed. Also, LAN devices must be

authorized on UTM. On devices from an external network (in relation to SafeUTM), SafeUTM must also be used as the main gateway, or there must be a route to the local network via SafeUTM.