Masquerading Example

LAN 10.0.0.0/24, GW 10.0.0.255

MikroTik Router
Eth0: 10.0.0.0/24
Eth1: 192.168.0.1/24
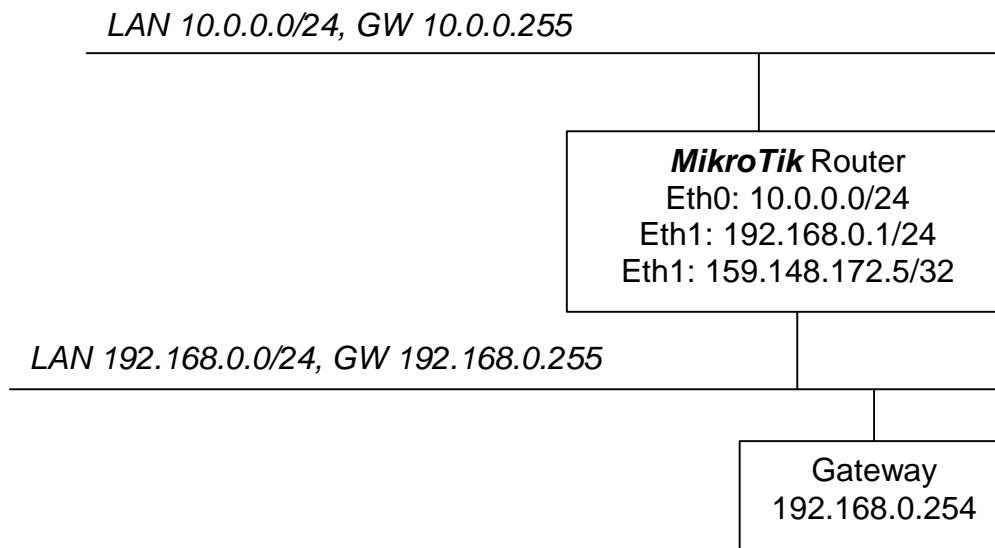Eth1: 159.148.172.5/32

LAN 192.168.0.0/24, GW 192.168.0.255

Gateway
192.168.0.254

As this diagram shows MikroTik router connects two Local Area Networks:

LAN1: 10.0.0.0/24
LAN2: 192.168.0.0/24

Router has two interfaces and three IP addresses. One of these addresses is a global IP address. Interface that is connected to LAN2 has two addresses:

Eth1: 192.168.0.1/24
Eth1: 159.148.172.5/32

Consider the following situation: you want the packets originated from LAN1 to be routed to LAN2 gateway and to masquerade their source addresses, i.e. to replace them by the router's global IP address.

```
# Masquerading LAN1 IP addresses
[MikroTik]> ip firewall rule add forward action masq \
srcaddr 10.0.0.0 srcmask 255.255.255.0 interface Eth1

# Routing the packets to LAN2 gateway
[MikroTik]> ip route add gw 192.168.0.254 prefsrc \
159.148.172.5 interface Eth1
```