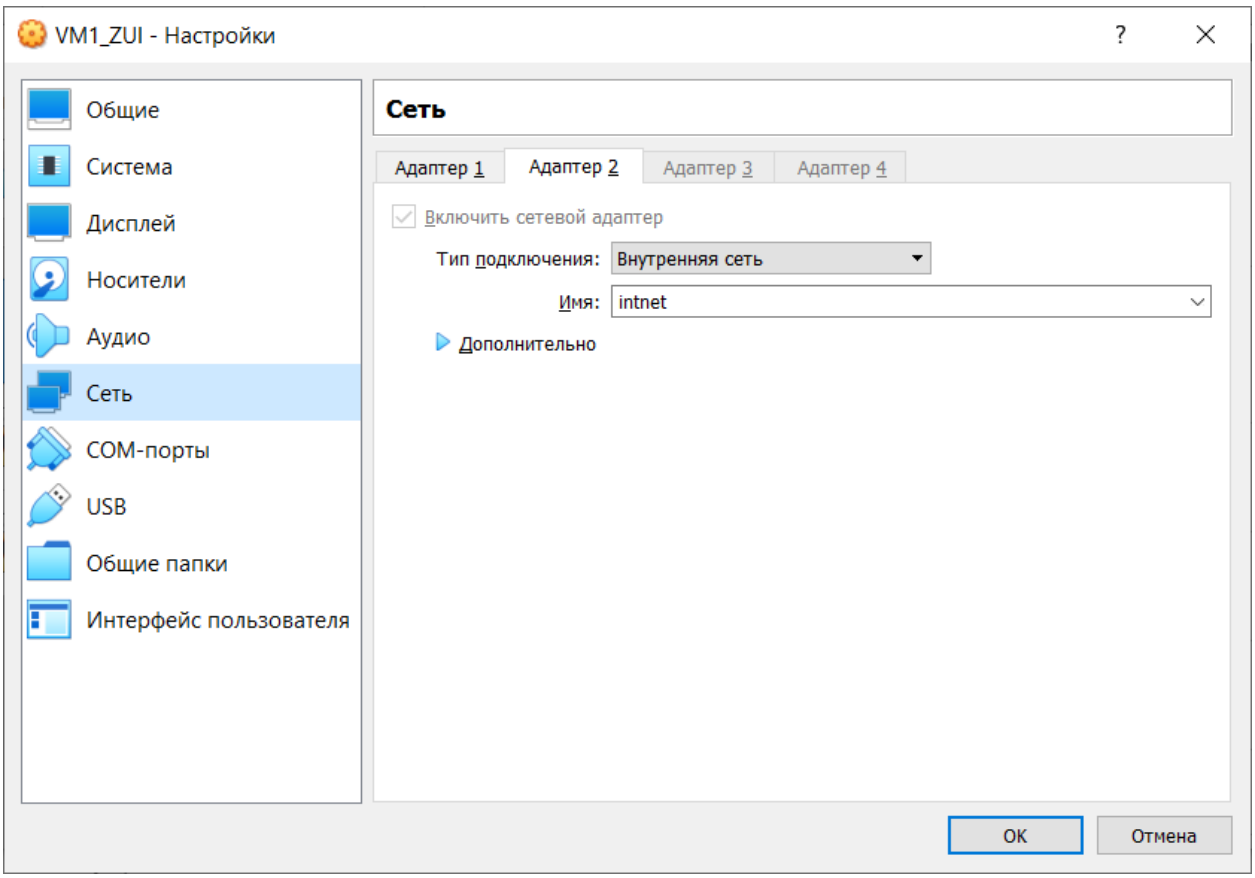
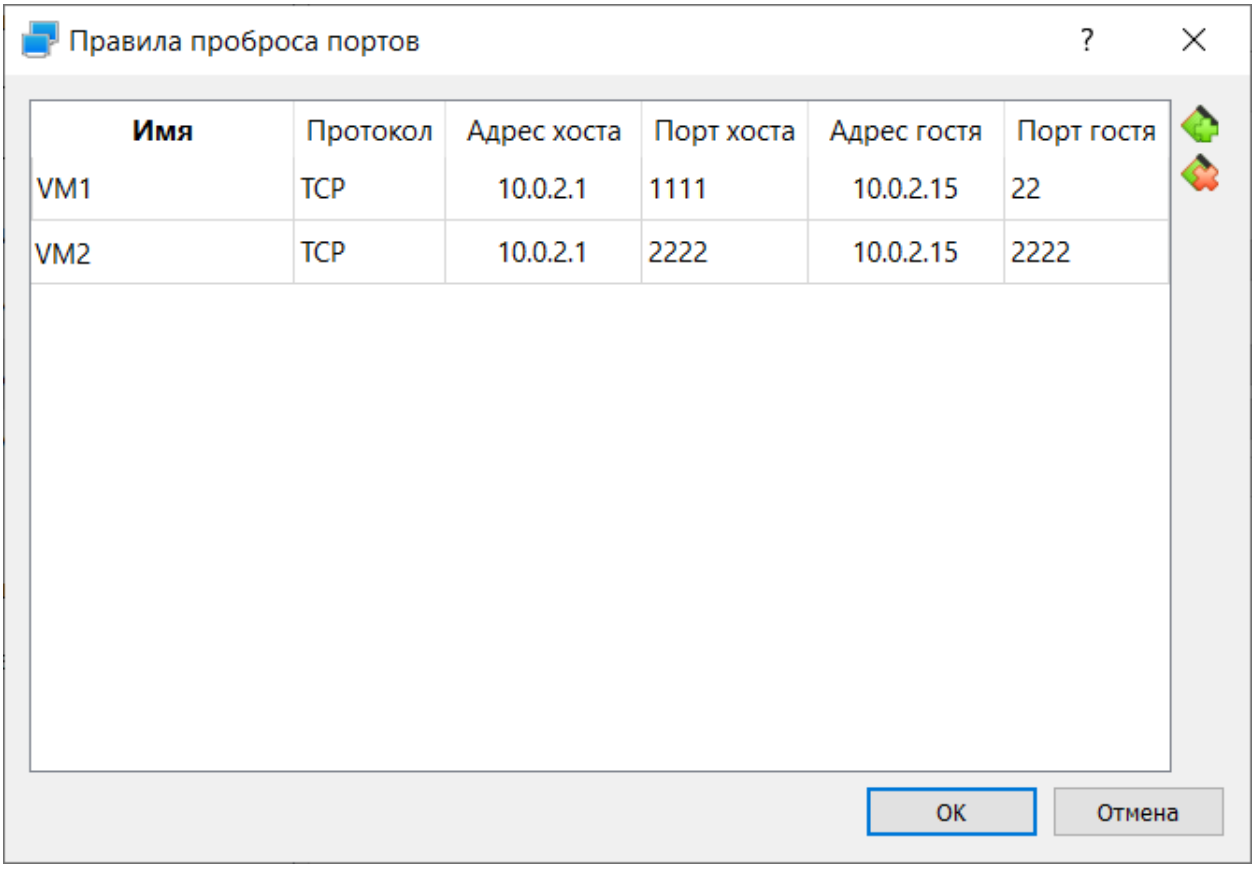
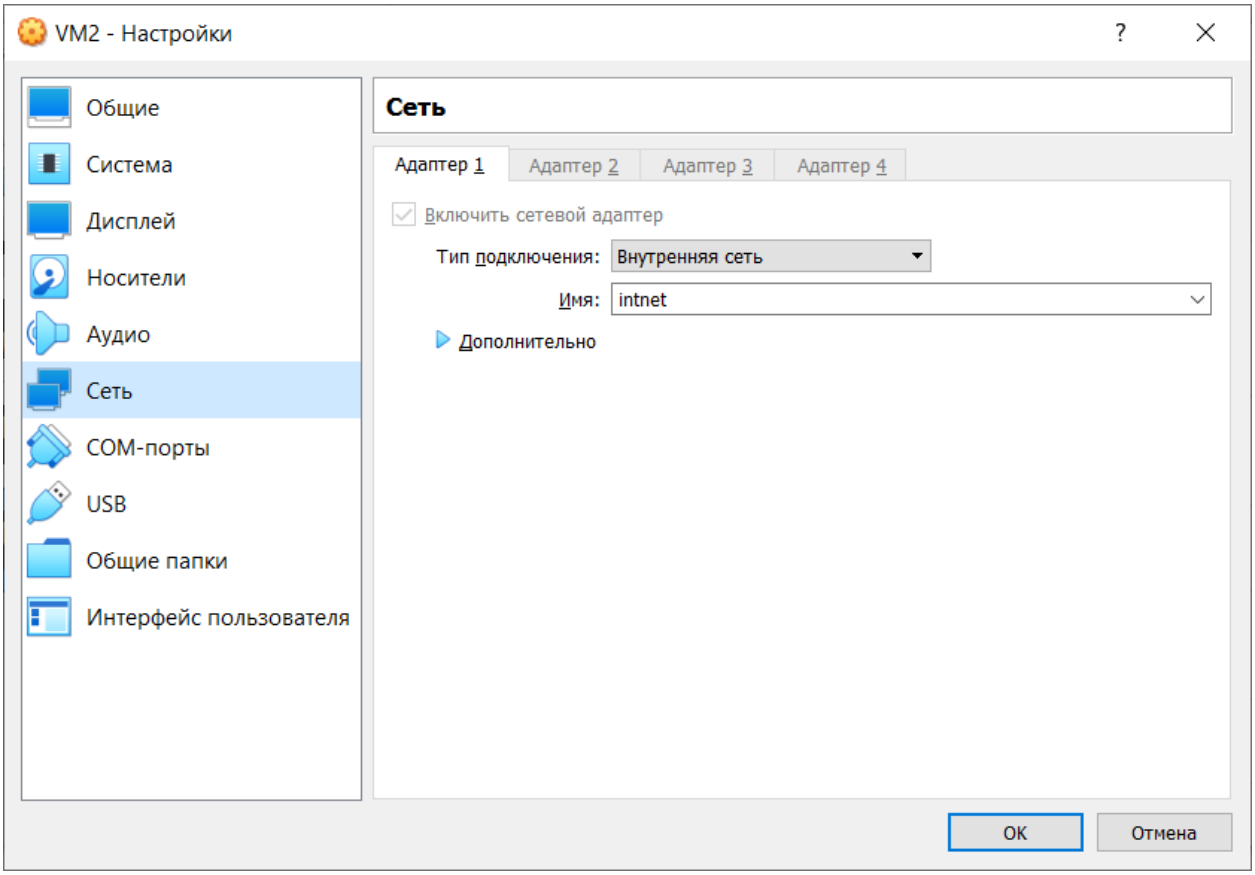
Task 6.1

1. Configuring network cards

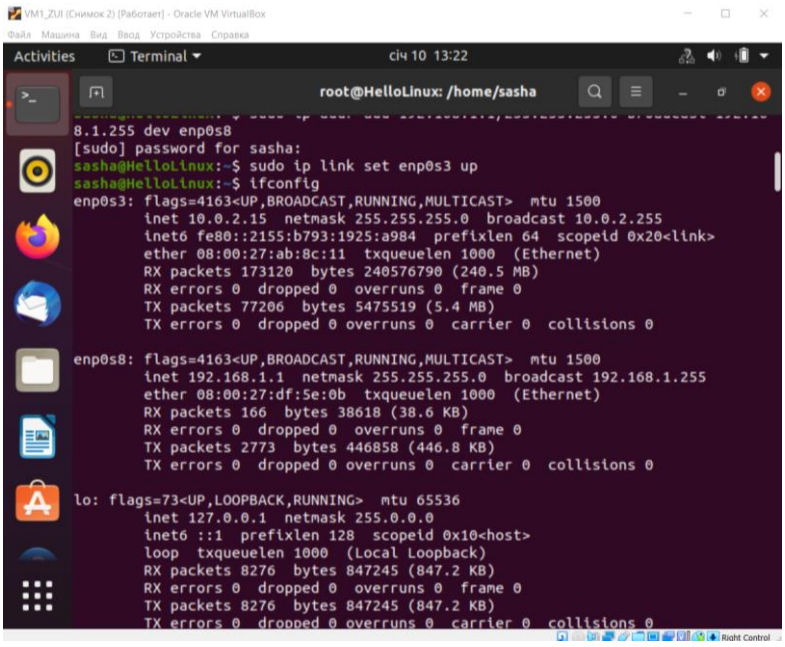
VM1







2. Configure all network interfeces
   VM1:
   Sudo su
   Ip addr add 192.168.1.1/255.255.255.0 broadcast 192.168.1.255 dev enp0s8
   Ip link set enp0s3 up

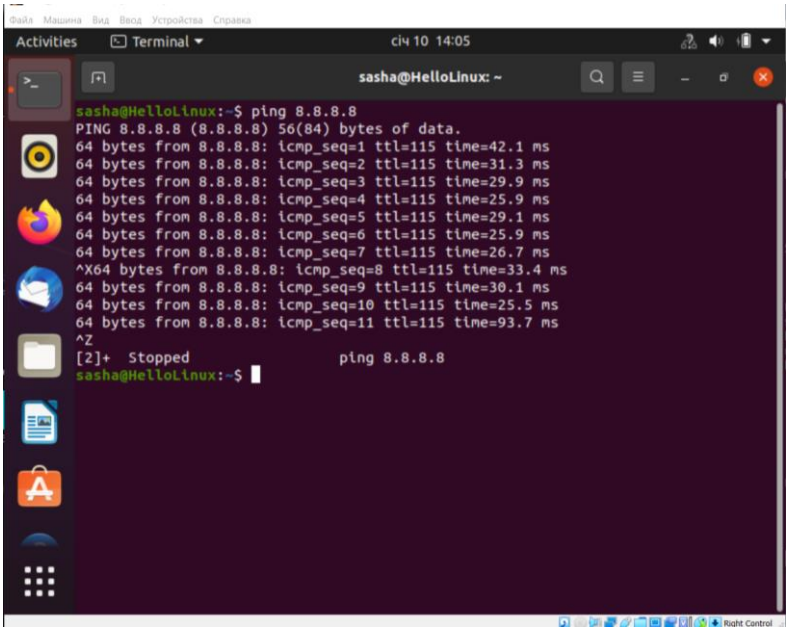


Enable forwarding on VM1
Sudo echo 1 > /proc/sys/net/ipv4/ip_forward

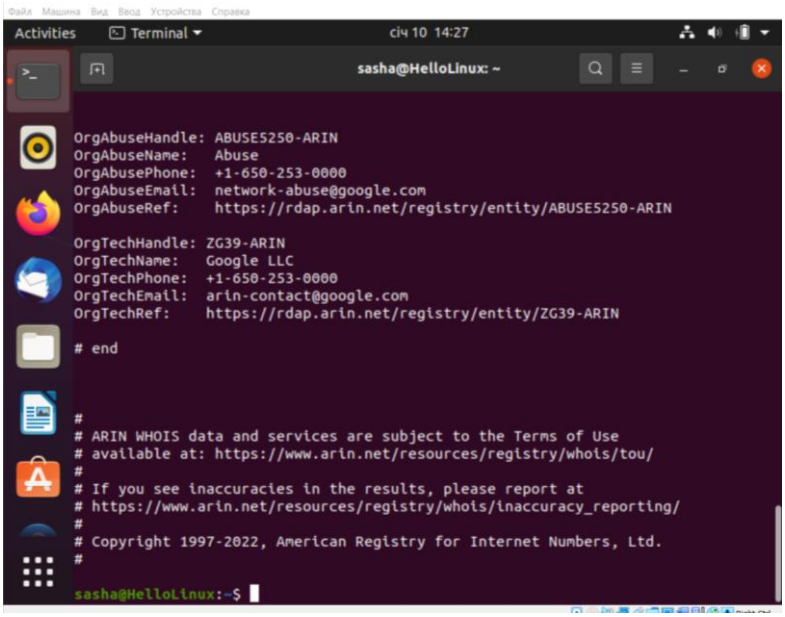
VM 2:
Sudo ip addr add 192.168.1.10/255.255.255.0 broadcast 192.168.1.255 dev enp0s3
Sudo link set enp0s3 up
Sudo ip route add default via 192.168.1.1 dev enp0s3
Sudo echo nameserver 8.8.8.8 >> /etc/resolv.conf

Add rules for IPTABLES and MASQUERADE
Sudo iptables –t nat –A POSTROUTING –o enp0s3 –j MASQUERADE
Sudo iptables –t nat –A PREROUTING –I enp0s3 –p tcp –dport 2222 -j DNAT --to-destinatio 192.168.1.10:22

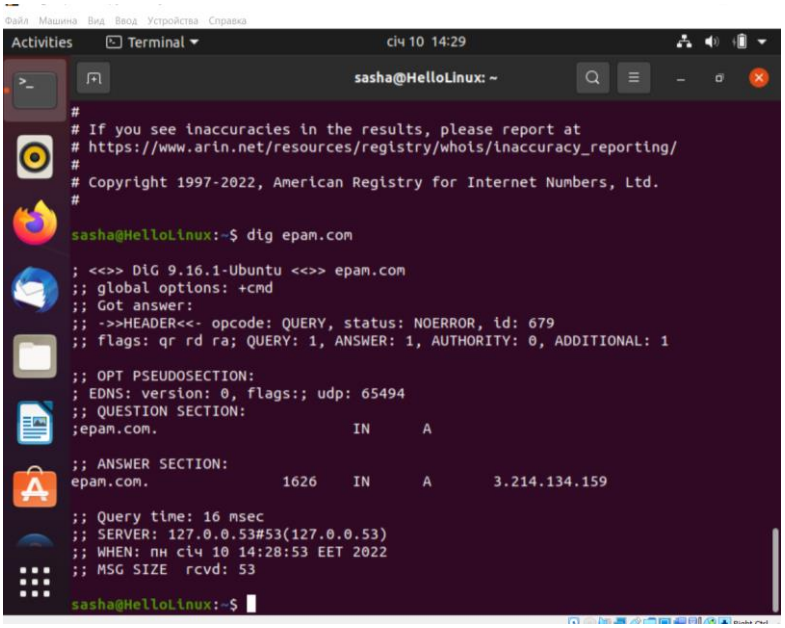
3. Check access to the internet



4. Determine IP address 8.8.8.8



5. Determine, which IP address belongs to resource epam.com



IP epam.com 3.214.134.159

6. Trace the route to google.com