1-Install network manager

2-Configure the scenario

3-In vm2, install apache2

4-In vm2 enable access to apache2

from vm1

curl http://192.168.10.2

----------install network manager----------

in vm1

$sudo apt install network-manager

$sudo nano /etc/default/grub

GRUB_CMDLINE_LINUX="net.ifnames=0 biosdevname=0"

$sudo grub-mkconfig -o /boot/grub/grub.cfg

$suddo touch /etc/NetworkManager/conf.d/10-globally-managed-devices.conf

$sudo reboot

----------installing firewall----------

sudo apt install firewalld

sudo systemctl enable --now firewalld

sudo firewall-cmd --add-service=http

sudo firewall-cmd --permanent --add-service=http

sudo firewall-cmd --reload

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clone vm1 to have vm2 which will have the same nw manager installation && firewall installation

in vm1

sudo nmcli con add con-name ExternalIF type ethernet ifname eth0 ip4 192.168.1.200/24 gw4 192.168.1.1

sudo nmcli con mod ExternalIF ipv4.dns 192.168.1.1

sudo nmcli con mod ExternalIF connection.zone external

sudo nmcli con up ExternalIF

sudo nmcli con add con-name InternalIF type ethernet ifname eth1 ip4 192.168.10.1/24

sudo nmcli con up InternalIF

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in vm2

sudo nmcli con add con-name mylan type ethernet ifname eth0 ip4 192.168.10.2/24 gw4 192.168.10.1

sudo nmcli con mod mylan ipv4.dns 192.168.1.1

sudo nmcli con up mylan

sudo apt update

sudo install apache2

from vm1 curl http://192.168.10.2