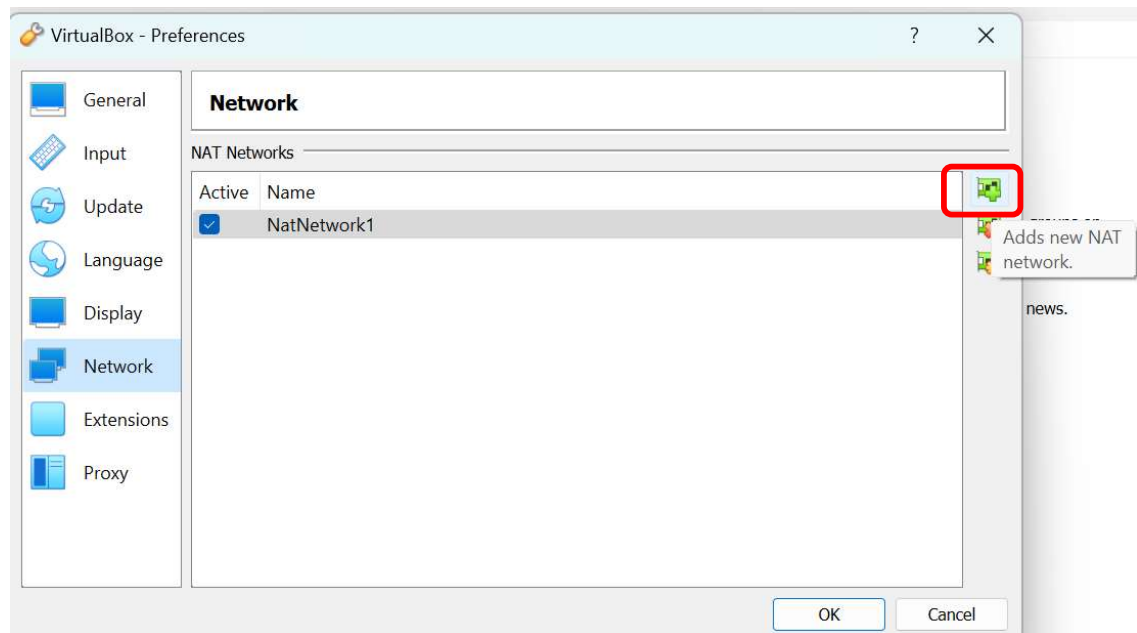


## Network Virtual Machines and Transfer Files in the Network

1. Create two virtual machines in the Virtual Box.
2. Go to Tools>Preferences> Network > Add New Network



3. Click on the added NAT network.  
Change the network name and Network CIDR. (Eg. 192.168.100.0/24)
4. We will bring both the virtual machines to the created NAT network. Select the virtual machine from the Virtual Box. In the settings, choose NAT Network and the network name. Do this for both the Virtual machines.
5. Start the Virtual Machine1. Go to Terminal and check the IP address using command `ip addr` or using command `ifconfig`.

In case the command is not found, you need to add the network tools  
`sudo apt install net-tools`

6. Note down the unique ip address of both the machines.
7. Ping one virtual machine from the other.  
Command: `ping <ip_address>`

### Sharing files from one VM to another

1. Create a file to be transferred.
2. Install ssh and openssh-client tool  
`sudo apt install openssh-client`  
`sudo apt install ssh`

To transfer the file

```
scp transfer.txt hostname@ip_addr_vm:./<path_where_file_is_to_be_transferred>
```