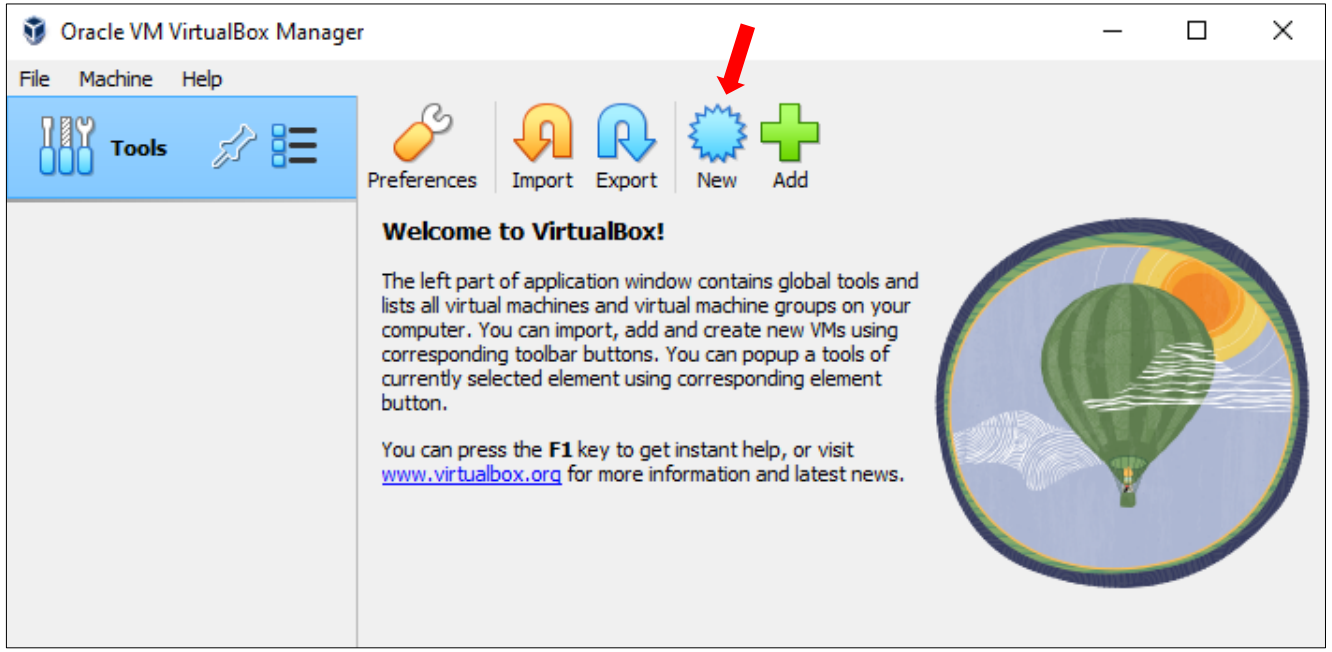
Installation

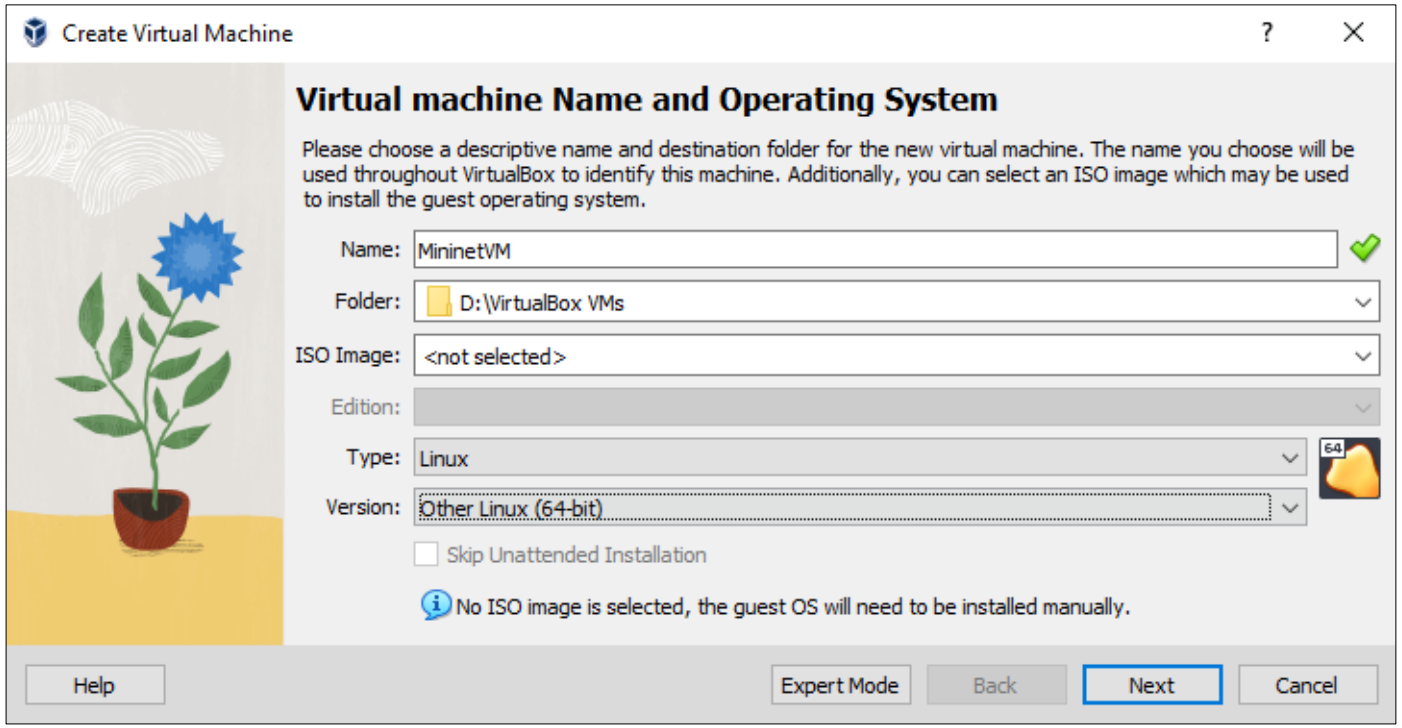
Installation Guide

1. Download VirtualBox and install it on your computer.
2. Download *MininetVM.rar* (the link is on LMS) and extract it.
3. Launch the VirtualBox software.
4. Press *New*.



Installation Guide

5. Set the ‘name’ to *MininetVM*.
6. Set the ‘type’ to *Linux*.
7. Choose ‘version’ *Other Linux 64-bit*.
8. Press *Next*.



Installation Guide

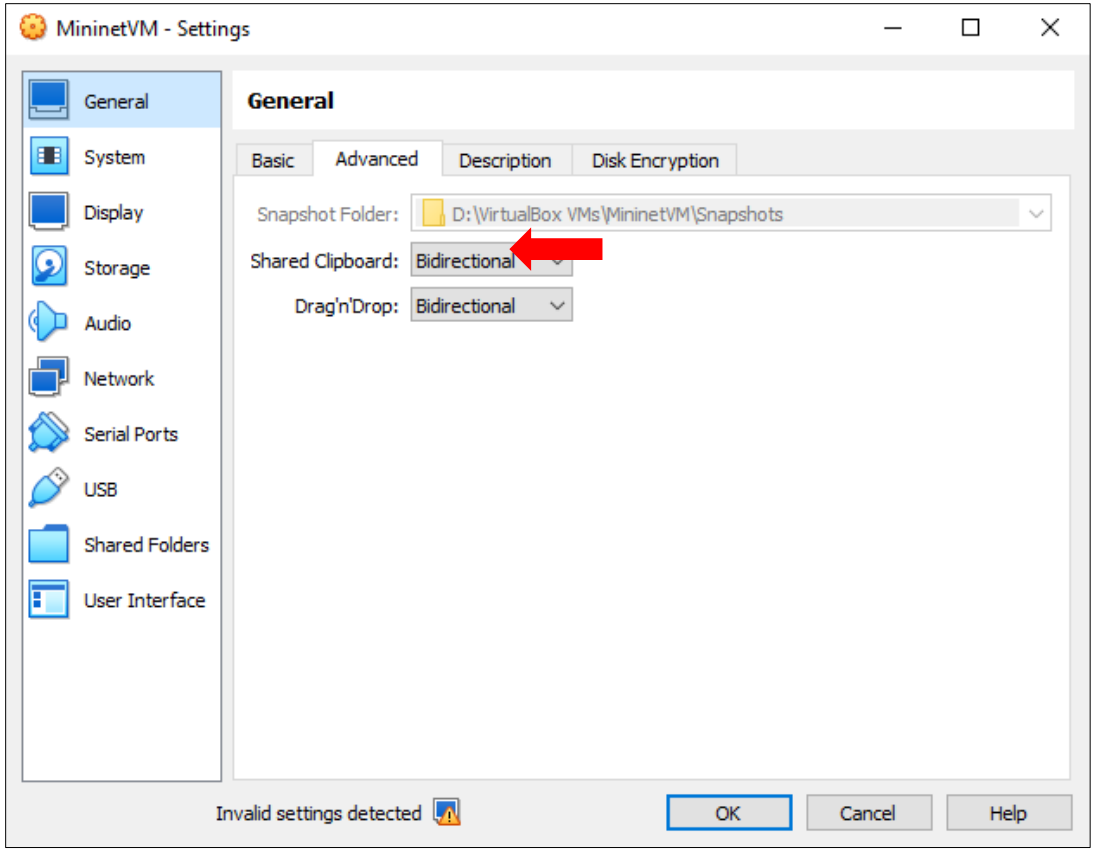
9. Assign 1024 MB of RAM and press *Next*.
10. Choose ‘use an existing virtual hard disk file’.
11. Press the directory icon.
12. Press *Add* and pick the uncompressed file *MininetVM.vdi*.
13. Press *Choose*.
14. Start the MininetVM (password: mininet).

Shared clipboard

- Go to the machine settings in General -> *Advanced* and set the shared clipboard to *Bidirectional*.

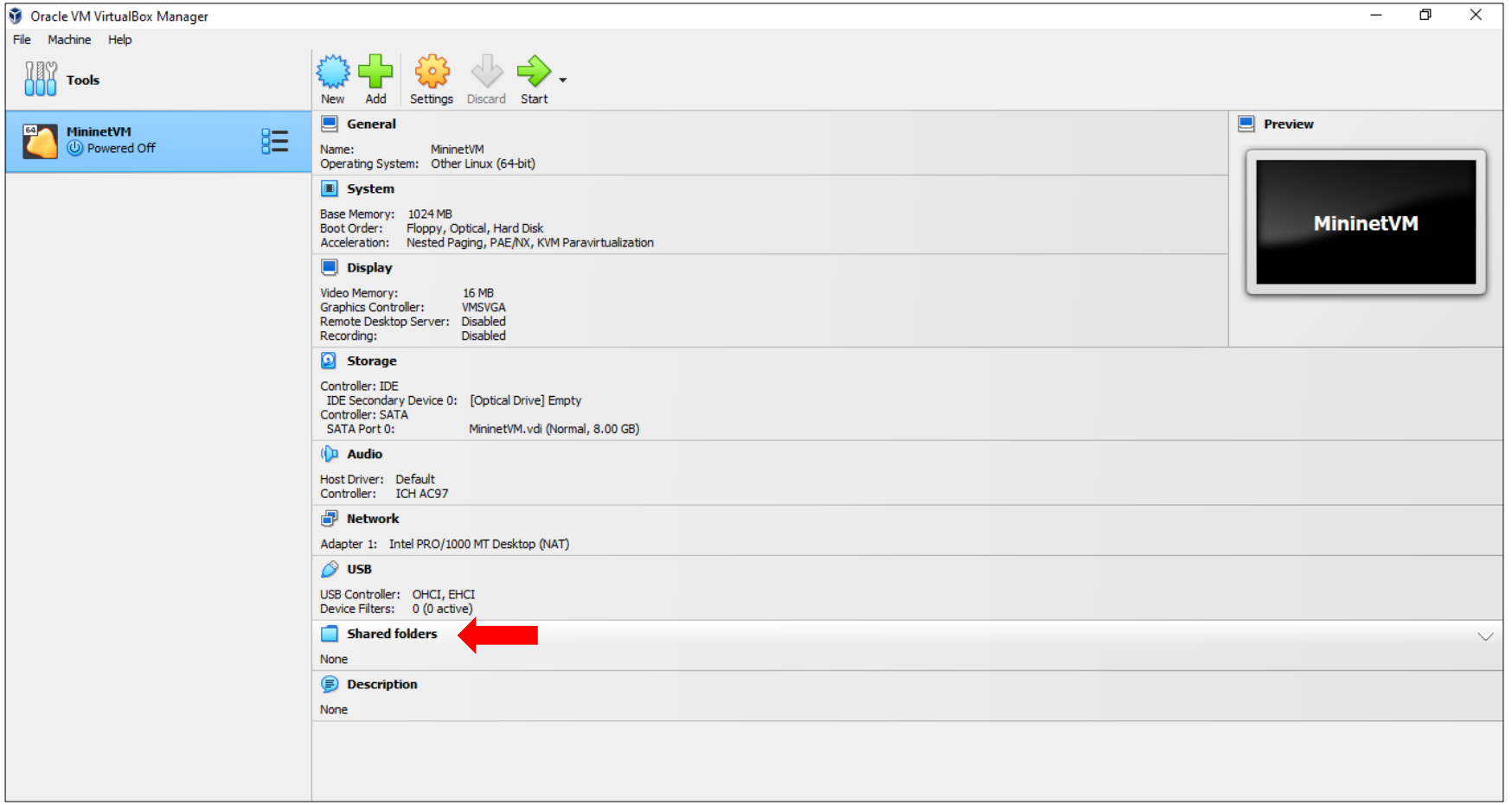
editor

- Paste to Leafpad:
  - **ctrl + V**
- Paste to Terminal:
  - **ctrl + shift + V**



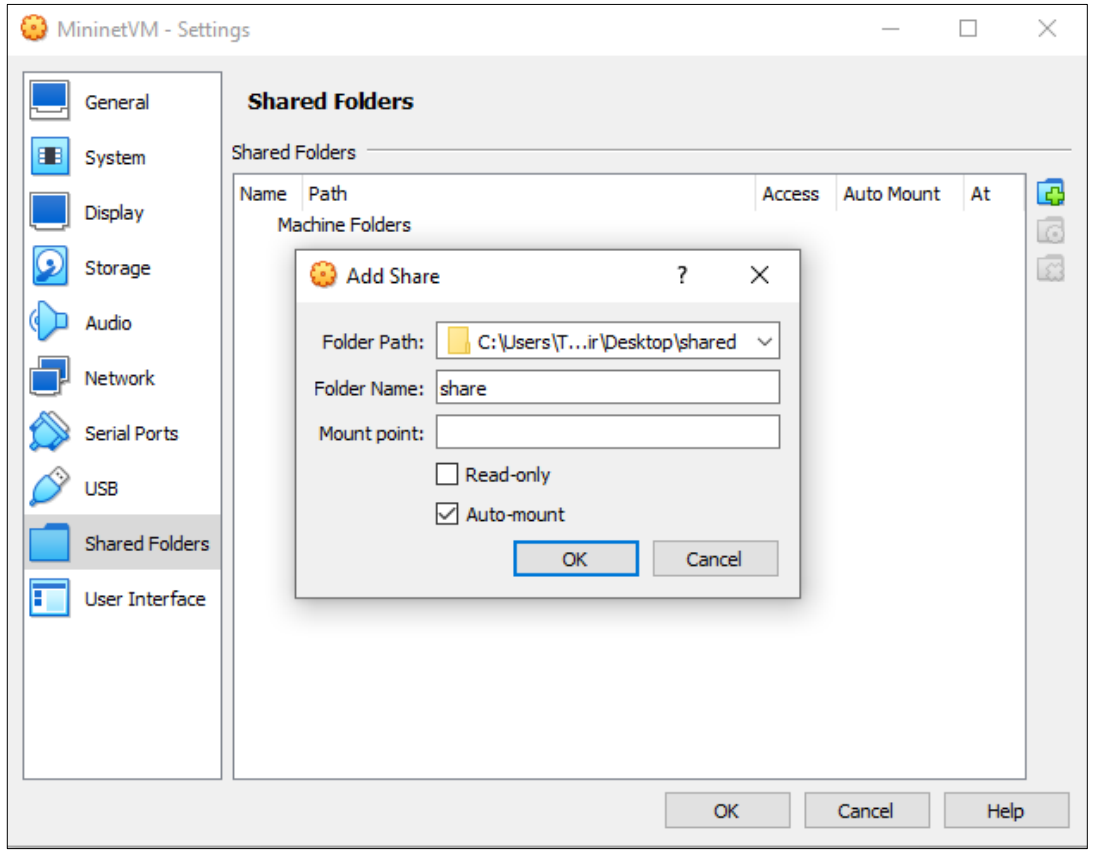
Shared folder (mount a folder from windows in lubuntu)

- Power off the MininetVM, then in VirtualBox click on *Shared folders*.



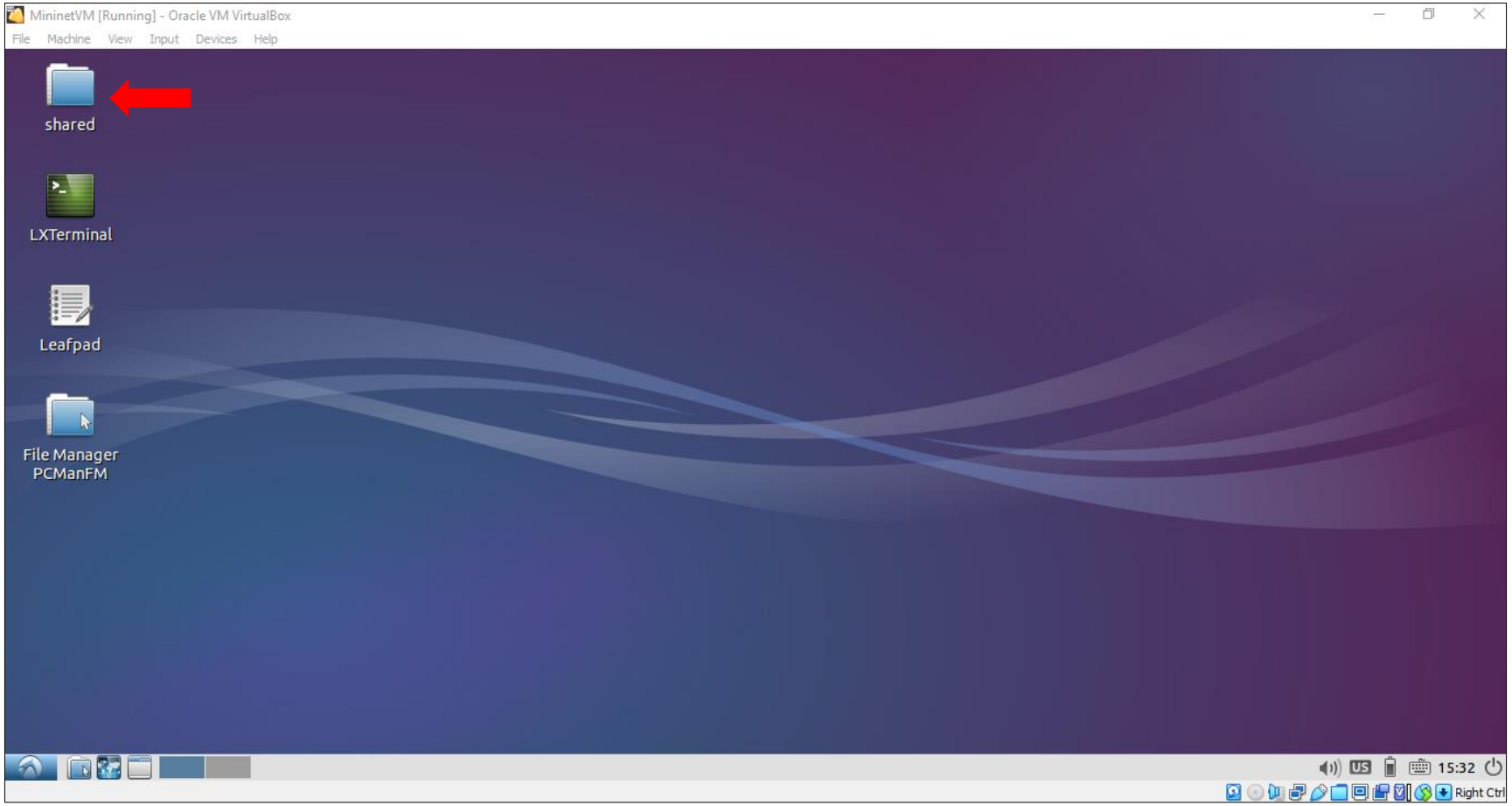
Shared folder

- Press Add (the plus button).
- Point the ‘Folder Path’ to a folder of your choice on your host machine.
- In the ‘Name’ field, write *share*.
- Check the box *Auto-mount*.
- Press *OK* and again *OK*.
- Start the MininetVM.



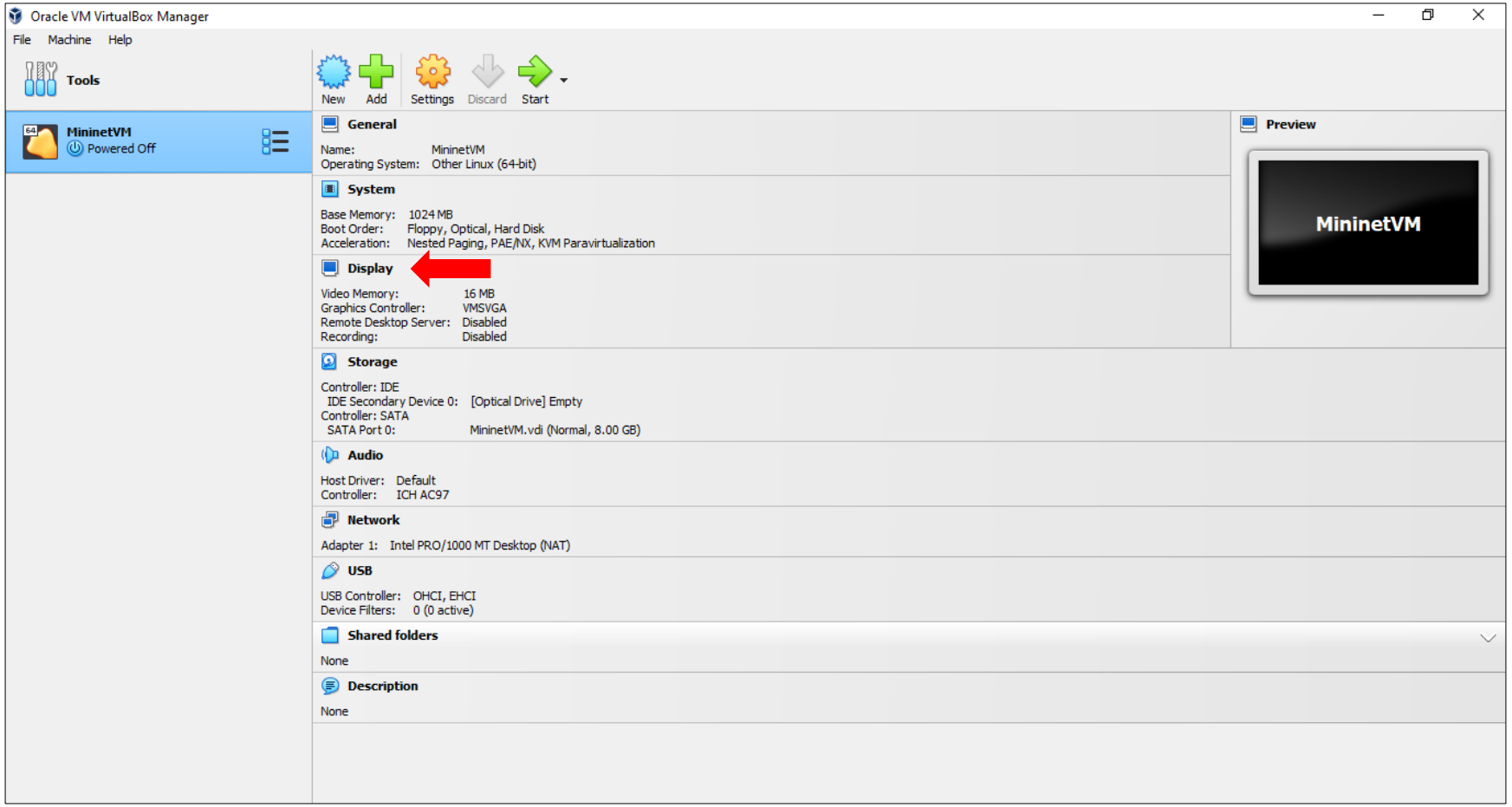
Shared folder

- Open *shared* folder on desktop.



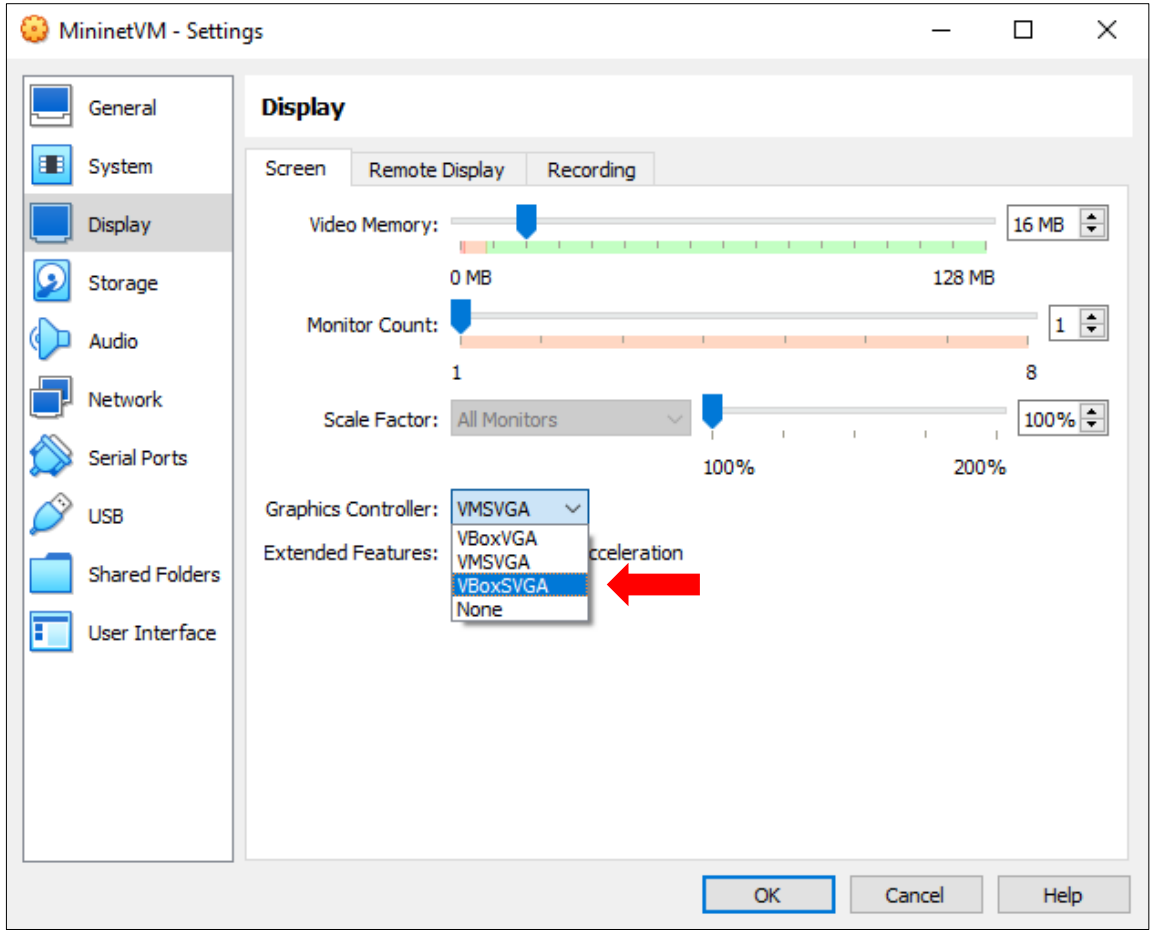
Full Screen

- Power off the MininetVM, then in VirtualBox click on *Display*.



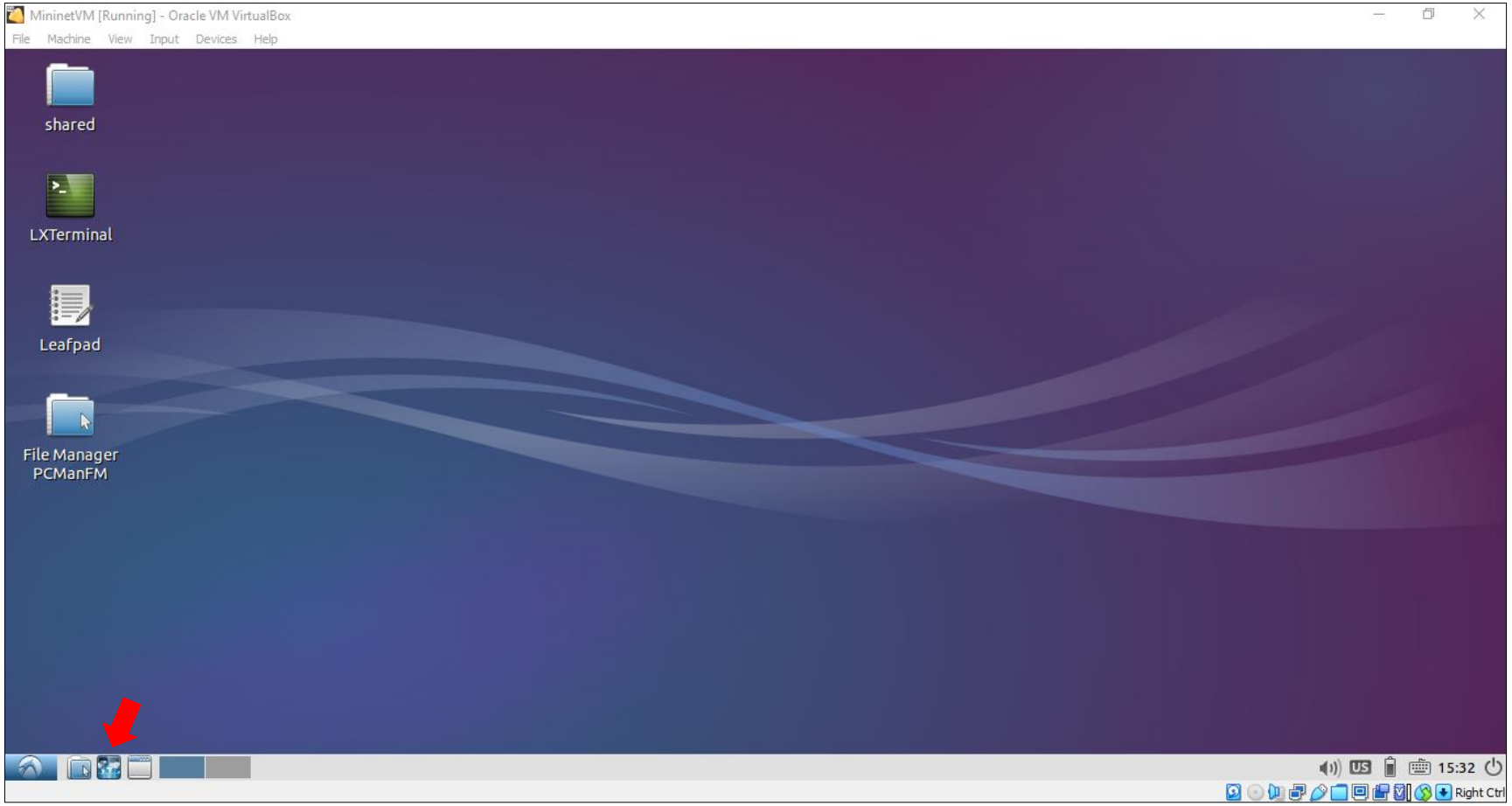
Full Screen

- Set the ‘graphics controller’ to *VBoxSVGA*.
- Press *OK*.
- Start the MininetVM.
- Click on the maximize button of the MininetVM window.



Internet Connectivity

- The icon of the web browser is on the bottom left corner.



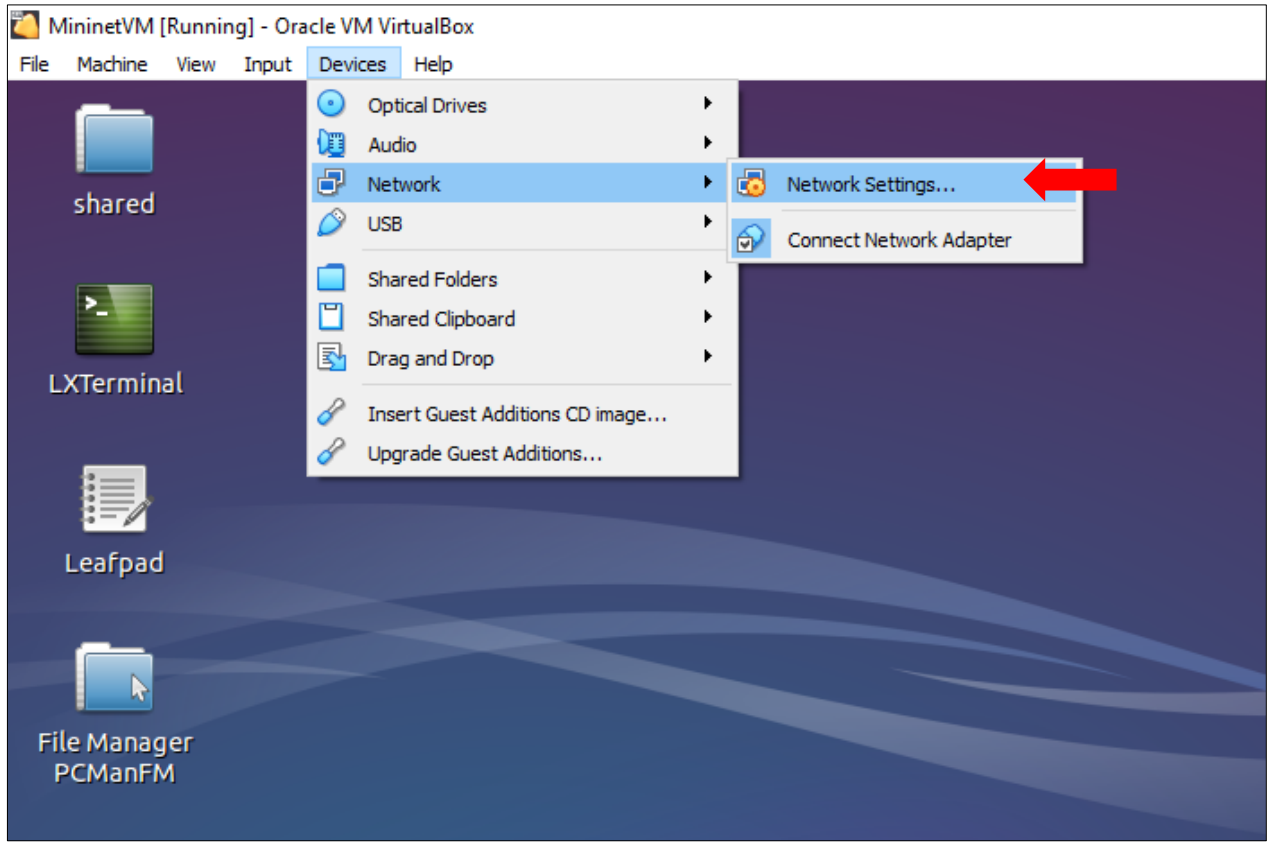
Connection Problem

- If there is a problem with internet connectivity, first check the network adapter.

1. Go to Devices ->

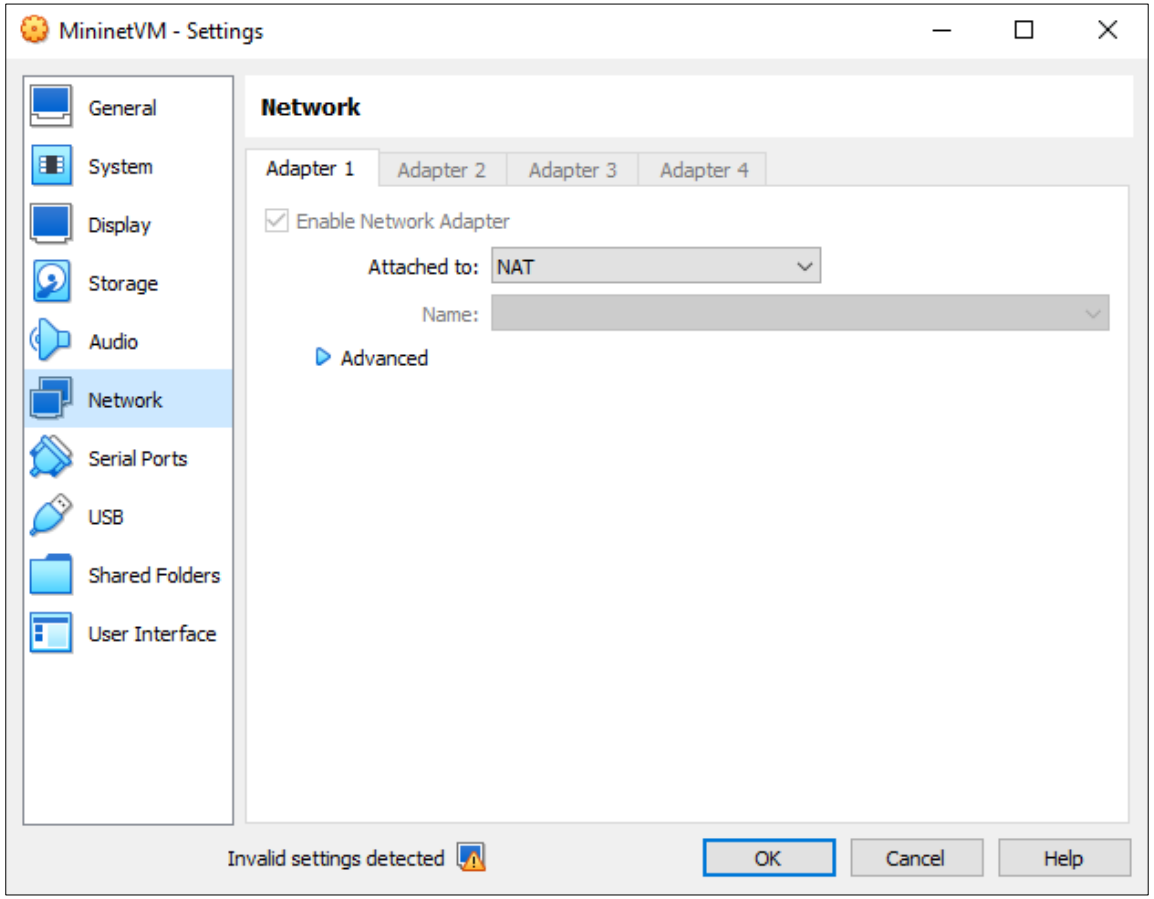
Network ->

Network Settings…



Connection Problem

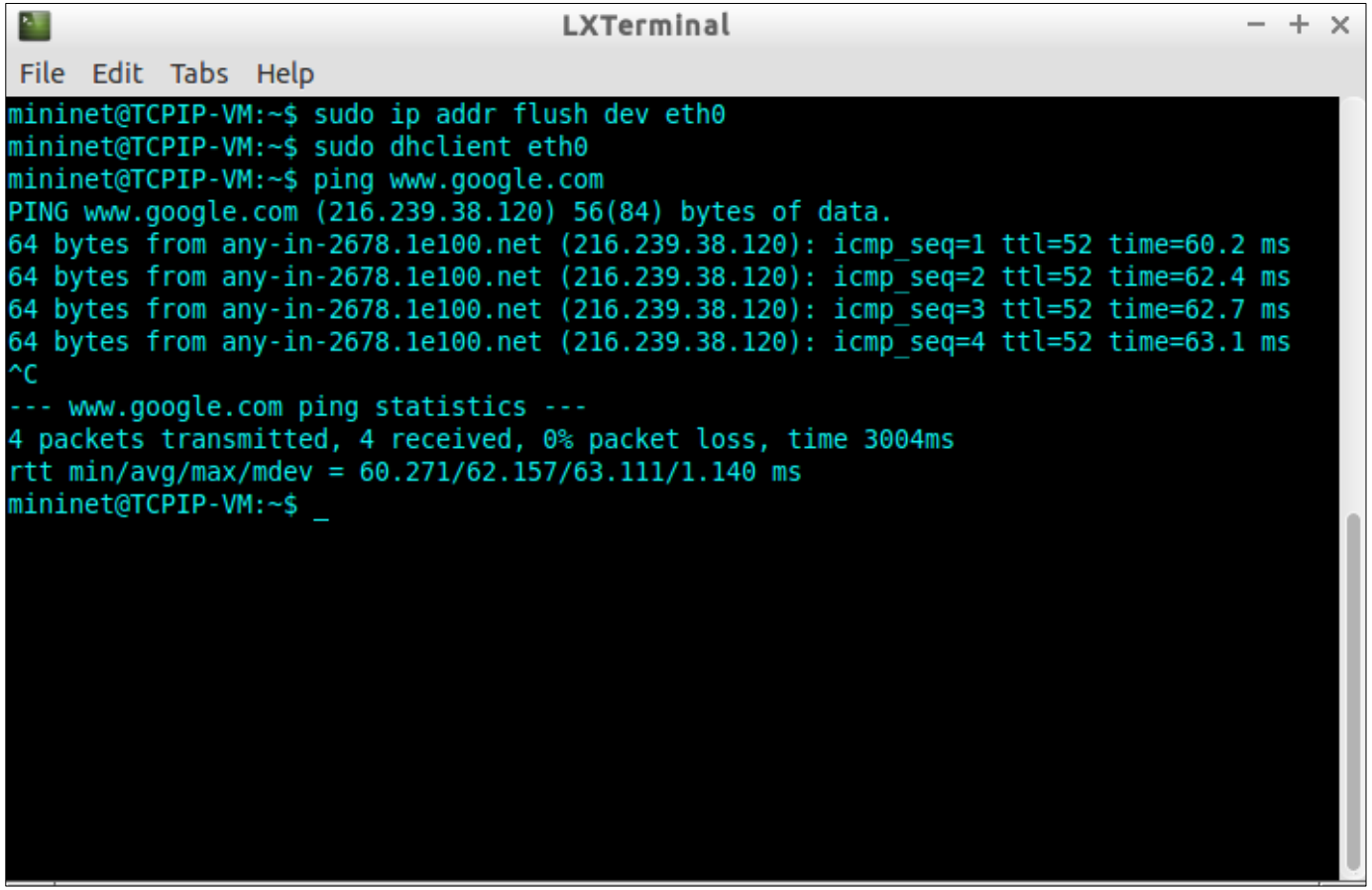
2. Make sure that the network adapter is set to *NAT*.



Connection Problem

3. Open the LXTerminal on desktop and use these commands:

- $ sudo mn -c
- $ sudo ip addr flush dev eth0
- $ sudo dhclient eth0
- $ ping www.google.com



Close MininetVM

faster and less time to boot

- No need to power off the virtual machine. **Save the machine state**.