IT Technology
Networking Assignment 2

Author
Marko Kožinec
mako37478@edu.ucl.dk

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1   Introduction

In this document you will see how to equip Xubuntu VM with networking softwares, how to create and clone Xubuntu VMs from Xubuntu base by cloning, and how to use wireshark to monitor IP packets delivery.
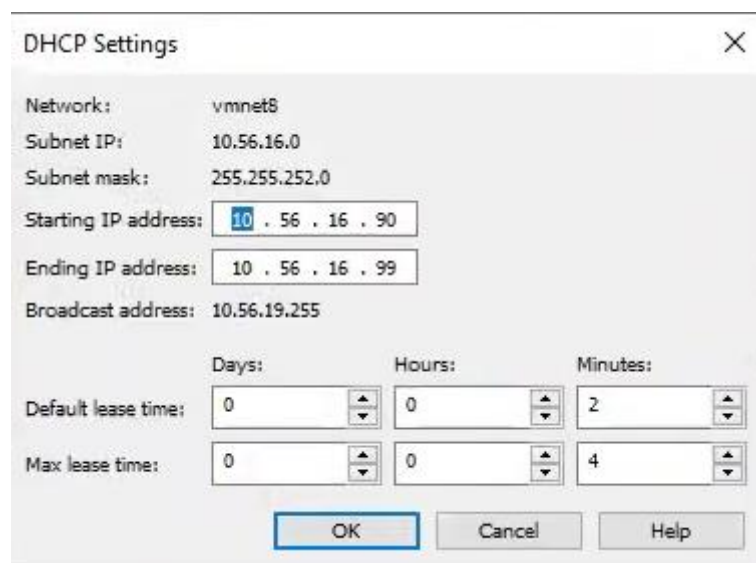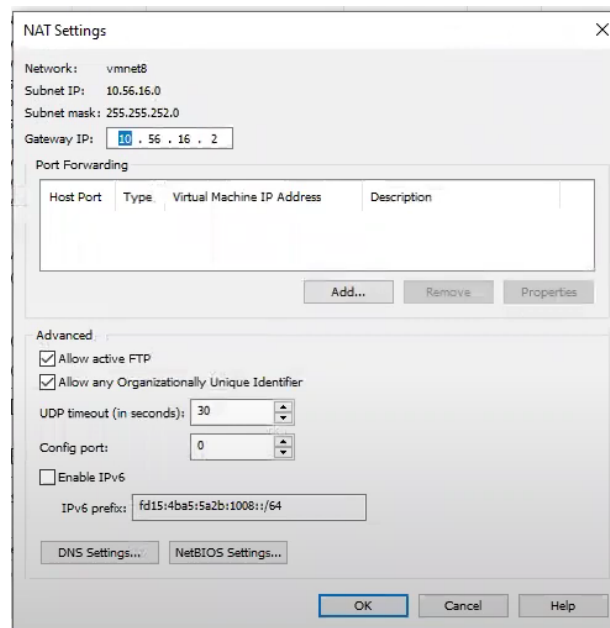
2   Tasks

1.Network diagram with IP addresses

2.Setting up VMnet8 in the Virtual Network Editor
   -go to zour virtual machine and click on virtual network editor
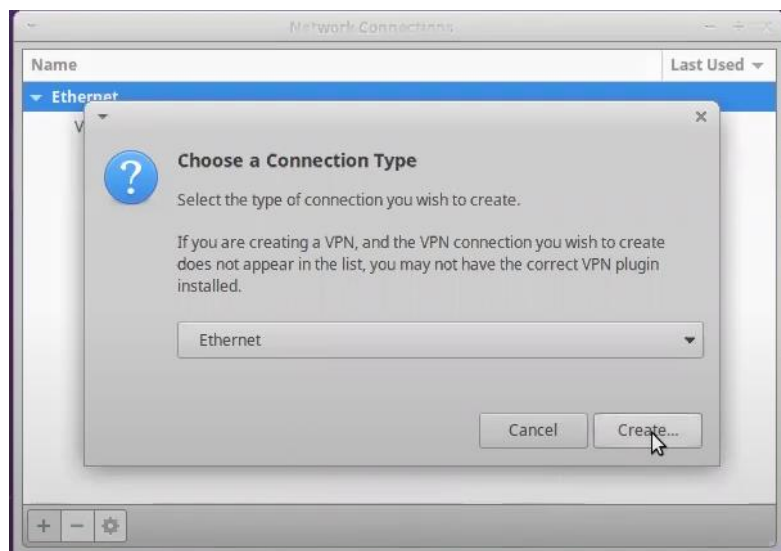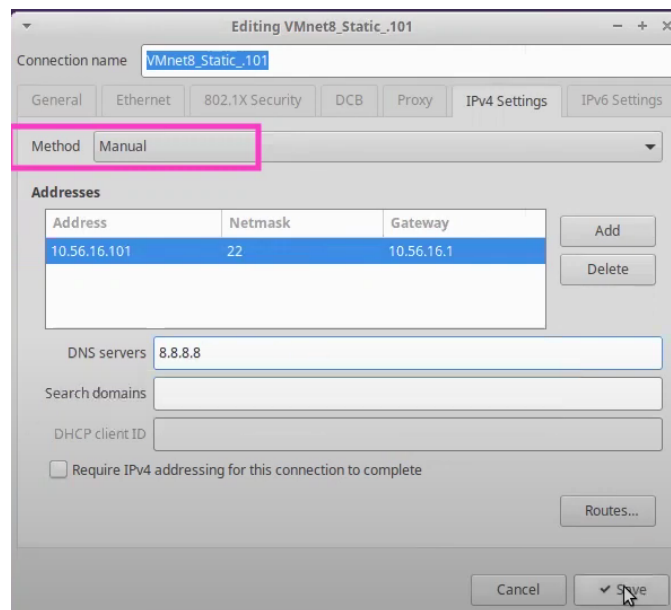   -select VMnet8 and copy the settings from the picture below

DHCP settings

NAT settings

3.Setting up Static IP addresses on Xubunthu Linux hosts
  -go to Edit connections on one of your two hosts (PC1 or PC2)
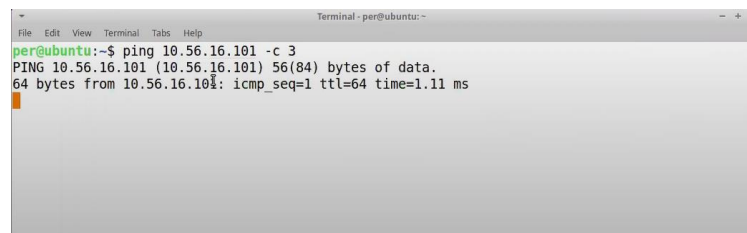 -add a new connection profile and set it u up as ethernet

  -rename the connection
  -go to IPv4 settings select manual (anonimus to static) and copy this settings

-then save it and select VMnet 8 connection

4.Using ping to check connectivity
    -first open terminal and write ping (the IP address of the second computer) and choose how many pings you want to receive (commans -c(and then a number))

5. Ping is a software utility used to test rechability from a host IP network

6.Network iterface is a software or hardware interface between two pieces of equipment

7. -first we open the terminal and type sudo wireshark
    -then we choose the ens33 networking interface

8. -First we open the terminal and writre sudo apt update
    -when that is finished we type in sudo apt upgrade

9. -to install and pull software from Linux repository we just need to type in :
    sudo apt install wireshark (wireshark is an example but we can choose any program from repository)

10.With broadcast ping we ping all devices that are on that local network,and we get a reply from every device connected to it.

    11.From this assingment we learned how to clone our base Xubuntu machine ,how to use the ping command and how to use wireshark

3   Sources

Remember that sources must be set as foot notes where they are relevant. See the last chapter in this document, which explains how to insert foot notes.[1]

It is not allowed to copy text into any student document for hand in, without explicitly stating that it is a citation and what the source is.

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[1] Place a relevant link to the used source here.

4 Conclusion

Reports must have a conclusion that matches the introduction. I.e. the conclusion will describe to what extend the descriptions in the introduction have been treated in practice and in the report and what the development stage and success has been.

5 Landscape page

A section break can be inserted to e.g. make the next sections pages in landscape orientation. This is useful to e.g. show program source code without having long lines accidentally auto wrapped by Word.

In order to remove this page. First, make it Portrait Orientation and then delete it including the section separator.

To see page separators and section separators and new line and so on, click the paragraph symbol ¶ in the HOME tab menu.