In order to create a server, one should be installing a virtual machine like VMware for example, and for the servers we will use CentOS and ubuntu.

Download the CentOS and ubuntu iso files and once downloaded, On VMware, select create a virtual machine and select the iso you want to install and it should act like a installation disk.

CentOS

On the installation summary, we need to setup the software and system especially the ones that has a red text.

Graphical user interface, application

Description automatically generated

On software, select server

Graphical user interface, text

Description automatically generated

On system, select your networkGraphical user interface, application

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Make a root password and new account (make sure to check on “make user an administrator”)

Graphical user interface

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Graphical user interface, application

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Once you’re done installing, reboot and login to your account.

Use sudo to add your account to the first wheel and to install samba using these commands in order

$ sudo usermod -aG wheel username

Then

$ sudo yum install samba samba-client samba-common.

Text

Description automatically generated

Ubuntu Server

Create another virtual machine on VMware and select the Ubuntu ISO file. Once you install the iso on your virtual machine, you will be prompted to this menu to give you the option to choose a language.

Text

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Text

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Text

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Make sure to choose the entire disk

Text

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Install openssh and powershell

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Text

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Samba setup

Install using this commands in order

$ apt-get update

$ apt-get install -y samba samba-common python-glade2 system-config-samba

* Configuration for samba

$ mkdir /samba

$ chmzod 777 /samba

$ nano /etc/samba/smb.conf

$ chown -R nobody:nogroup /samba

add “public” to the end of the file

[Public]

path = /samba

browsable =yes

writable = yes

guest ok = yes

read only = no

force user = nobody

New user

$ addgroup smbgrp

$ adduser file

New Share folder

$ mkdir –p /data

$ chmod -R 0770 /data

$ chown root:smbgrp /data

sudo nano /etc/samba/smb.conf

Changing User group

$ usermod file -G smbgrp

$ smbpasswd -a file

add data to the end of the file

[data]

path = /data

valid users = @smbgrp

guest ok = no

writable = yes

browsable = yes

Now enter the VM ip address on [\\ipaddress](file:///\\ipaddress) and we should be able to share/transfer files on our current OS and virtual machine.

Graphical user interface, application

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Source:

https://ubuntu.com/tutorials/install-and-configure-samba#3-setting-up-samba