LAB 1 – INSTALLING AND MANAGING VMWARE WORKSTATION

1.1 Installing VMWare Workstation:

On Windows: VMWare Workstation

On Mac OS: VMWare Fusion

1.2 Creating Virtual Machine:

Practice:

Step 1: Download Iso file and make preparation with VMWare workstation:

Create Virtual Machine and name it as AltaPC1

Run Vmware Workstation software:

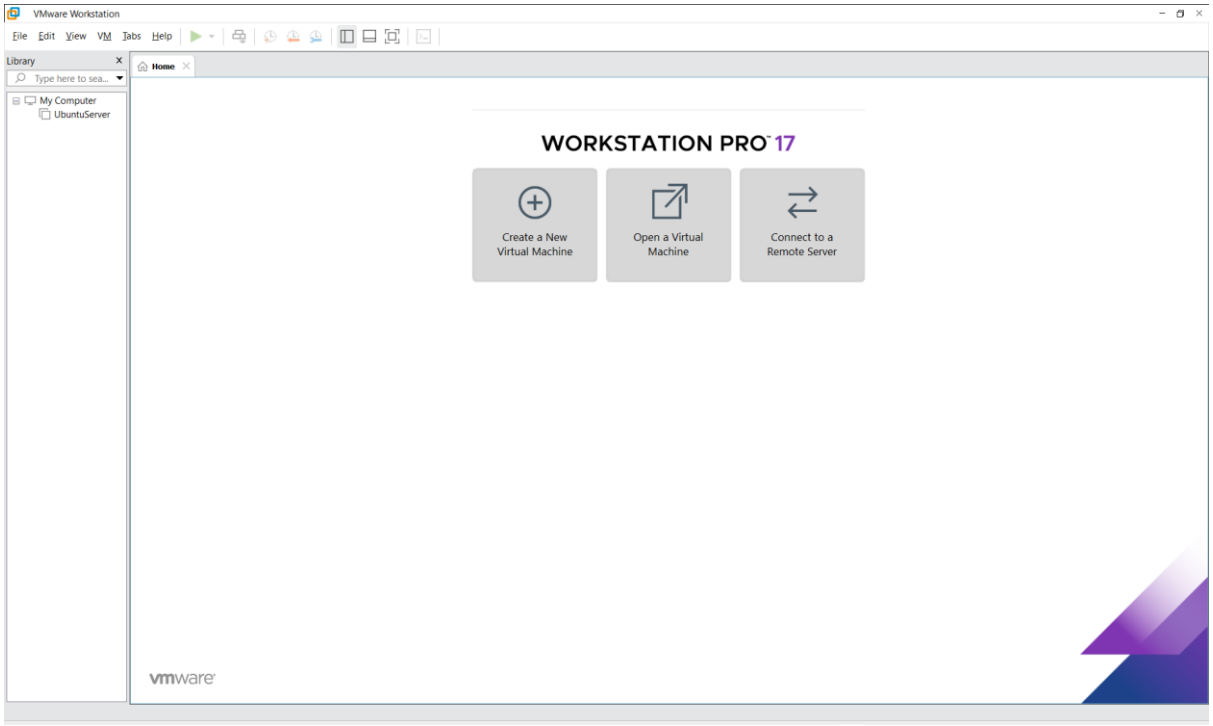

Image 1.1 The GUI of VMWare Workstation software

Select menu File / New Virtual Machine to create new Virtual Machine

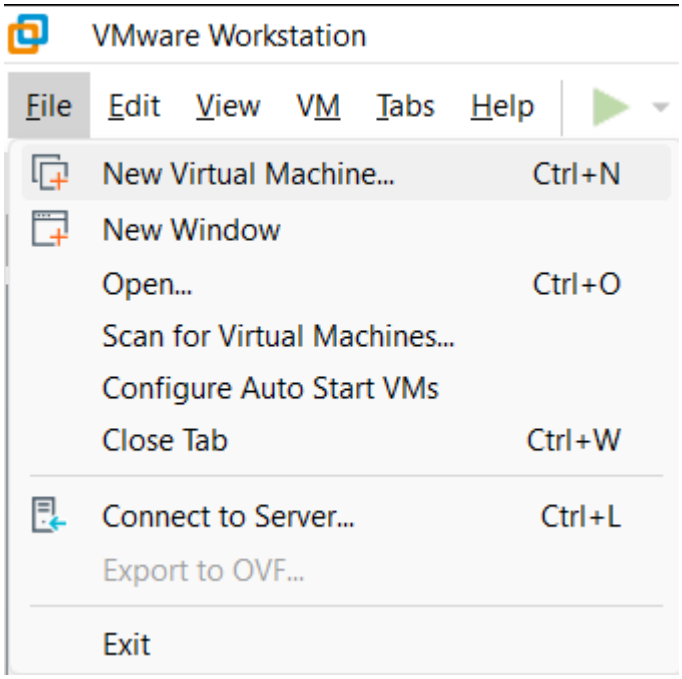

Image 1.2 GUI File menu to create new Virtual Machine

Image 1.3 Options for creating Virtual Machine

Custom (advanced) option should be selected instead of Typical option

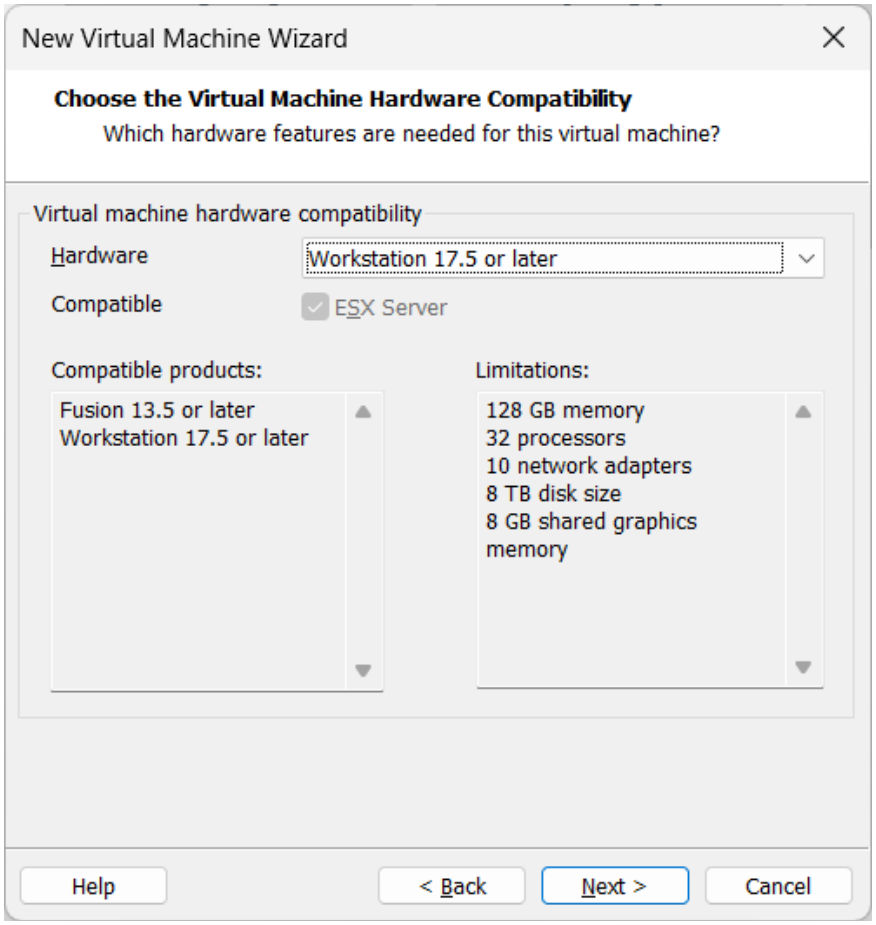

Image 1.4 Harward compatibility

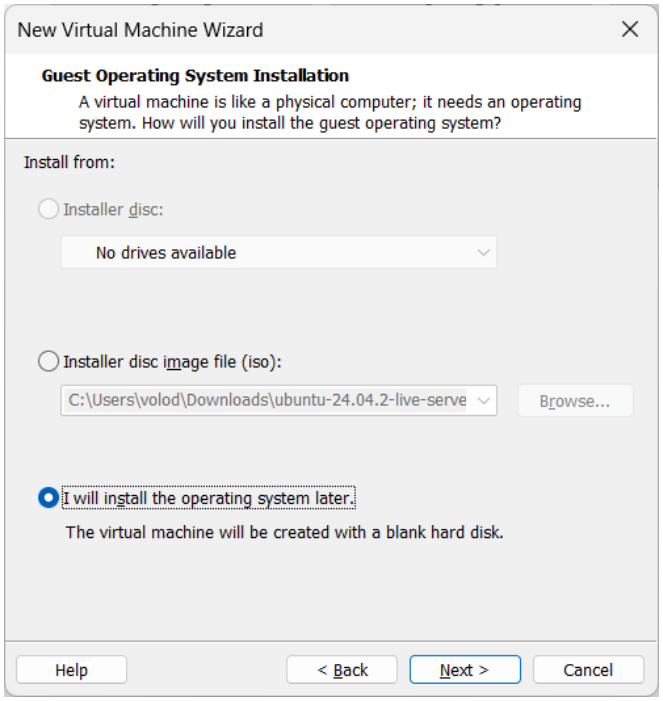

Image 1.5 Select source for Operating System Installation

With the selected option on the image, you will create VM without operating system such as Ubuntu or Windows

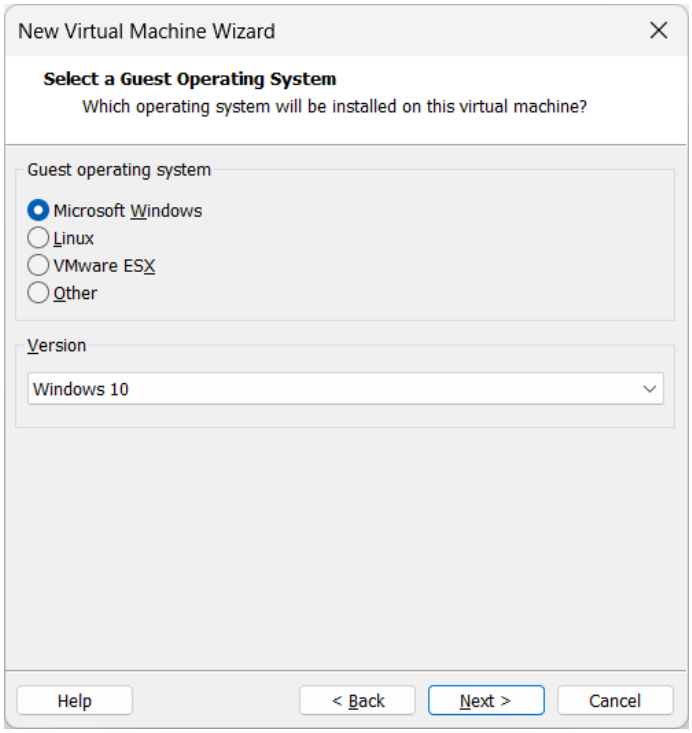

Image 1.6 Select Operating System version for Installation

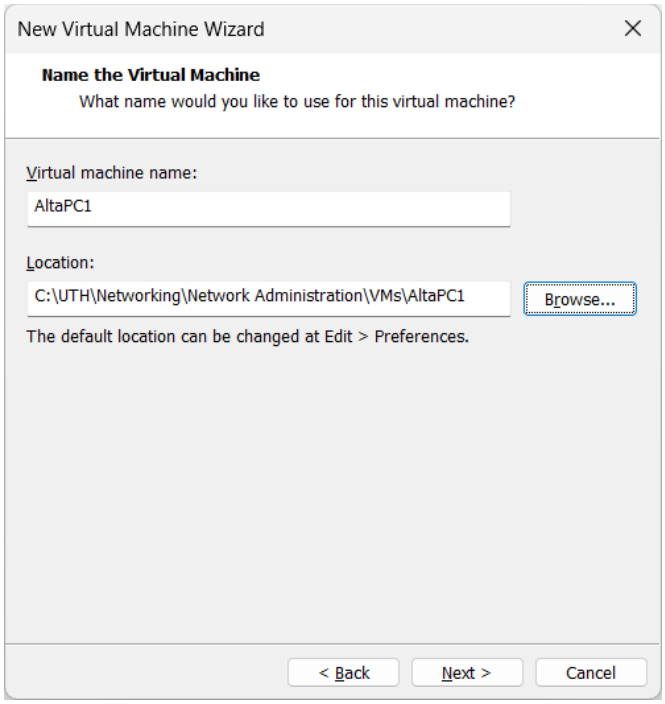

Image 1.7 Select where to store the virtual machine file

Provide machine name as AltaPC1 and store the machine file in VMs\AltaPC1 folder

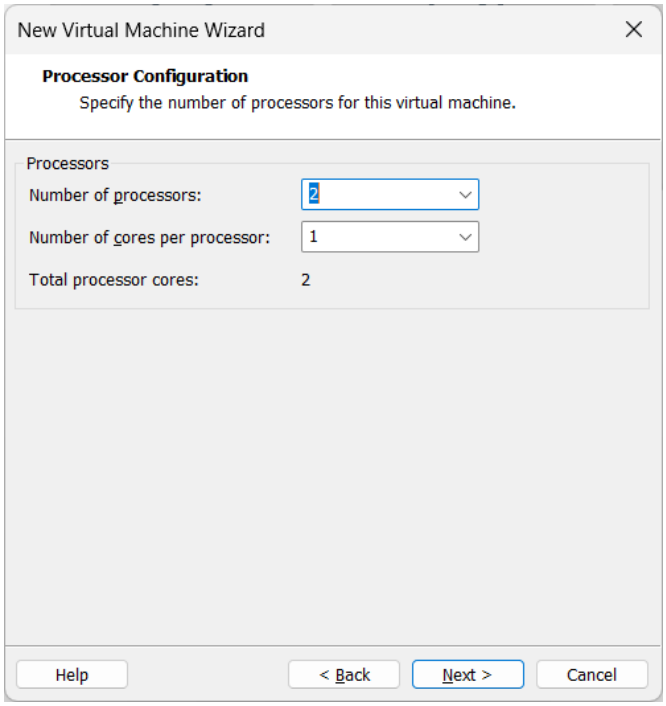

Image 1.8 Configuring Processor and Cores

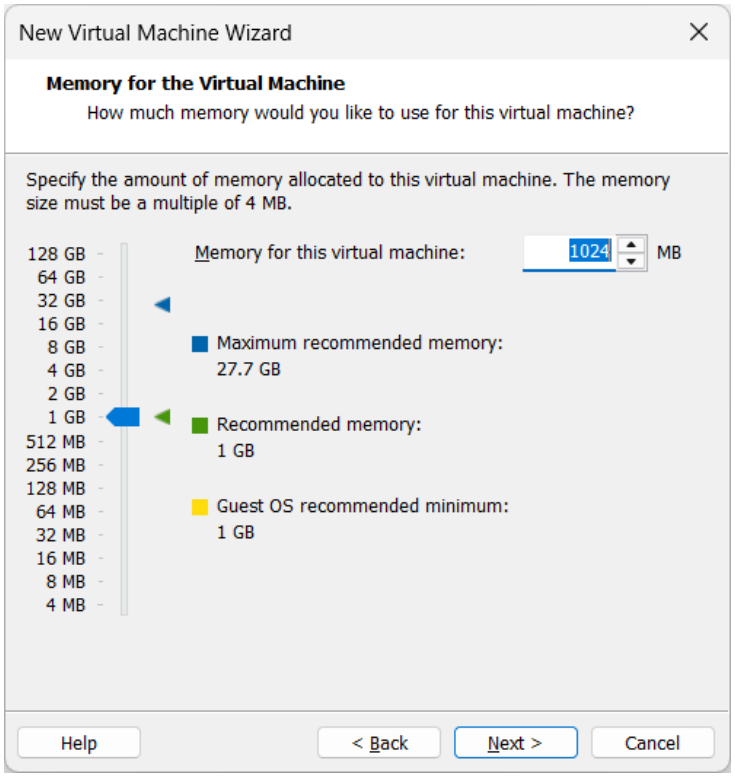

Image 1.8 Configuring Memory

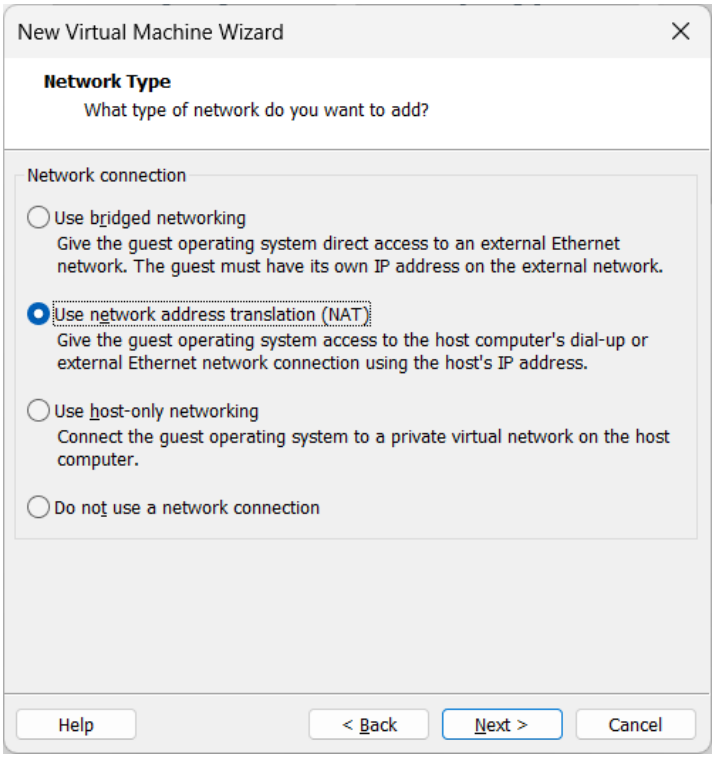

Image 1.9 Configuring Network

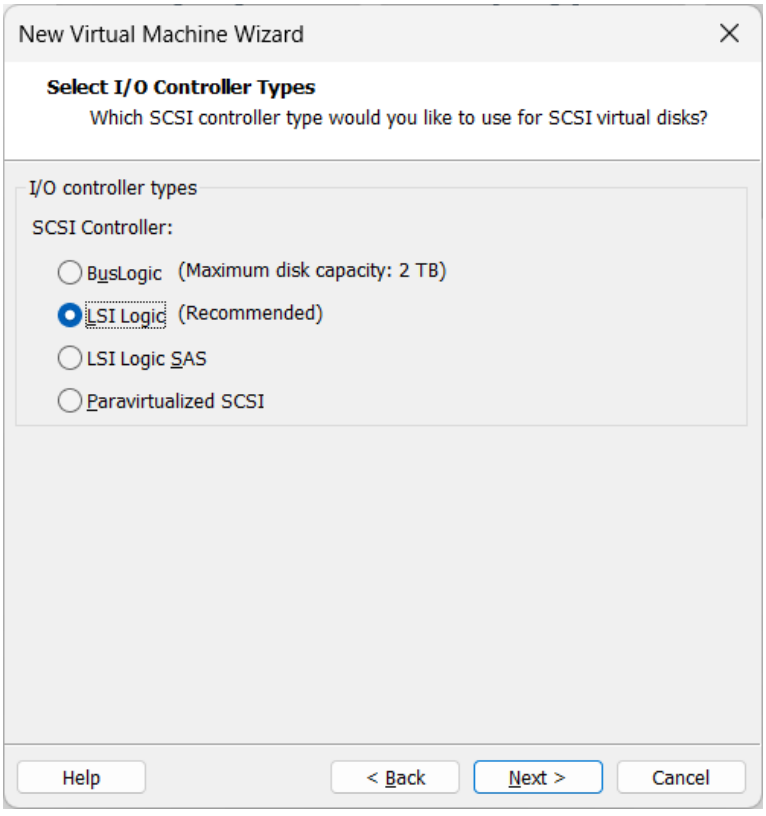

Image 1.10 Configuring Storage Device Controller

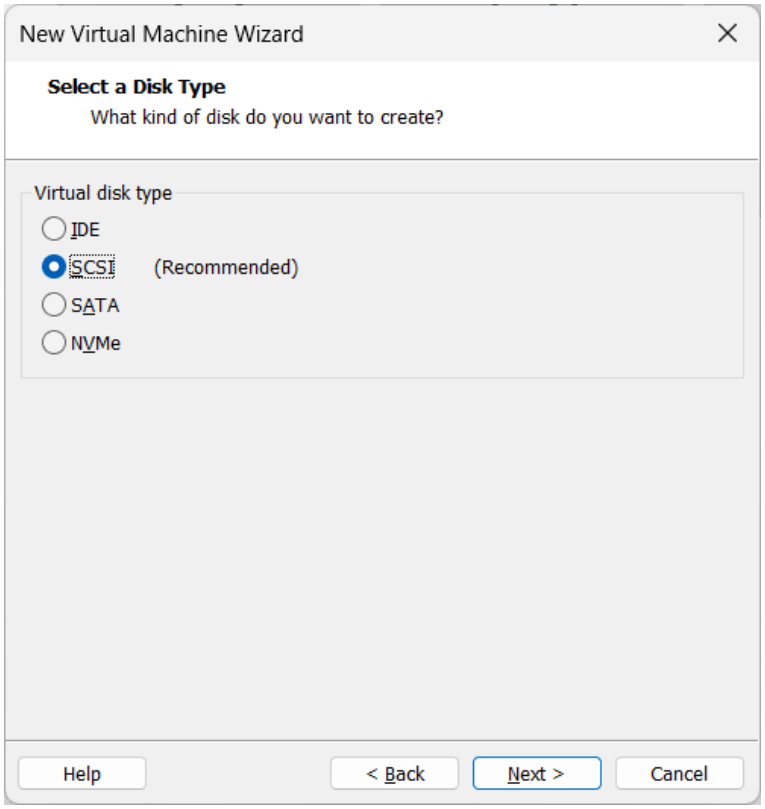

Image 1.11 Configuring hard disk standard

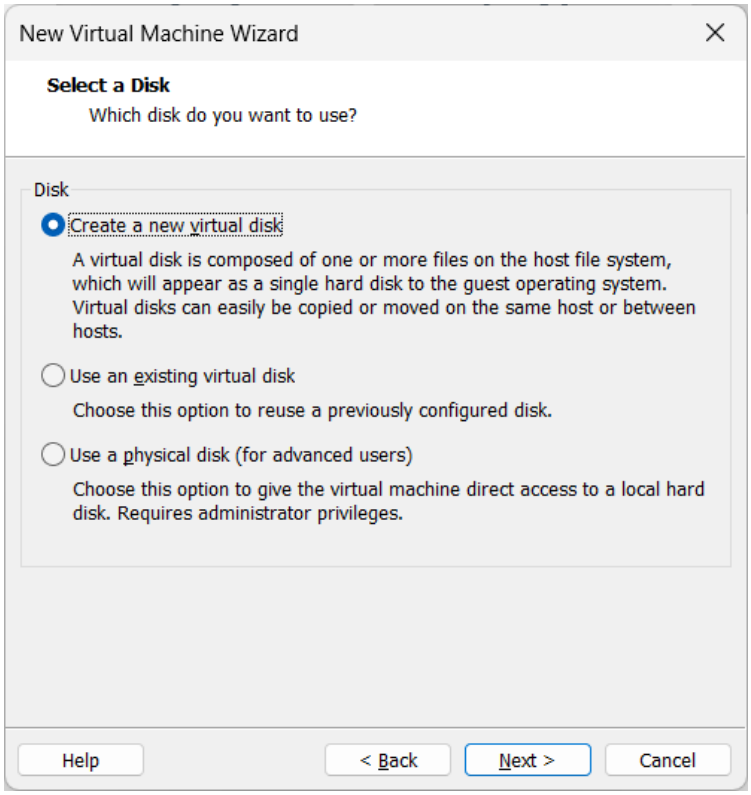

Image 1.12 Select and re use existing disk or create new disk

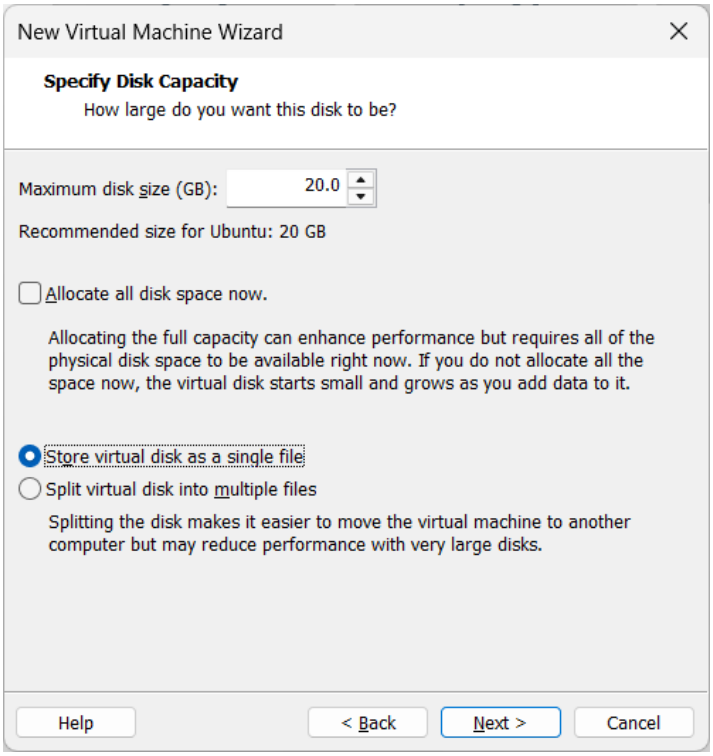

Image 1.13 Configuring the capacity of hard disk

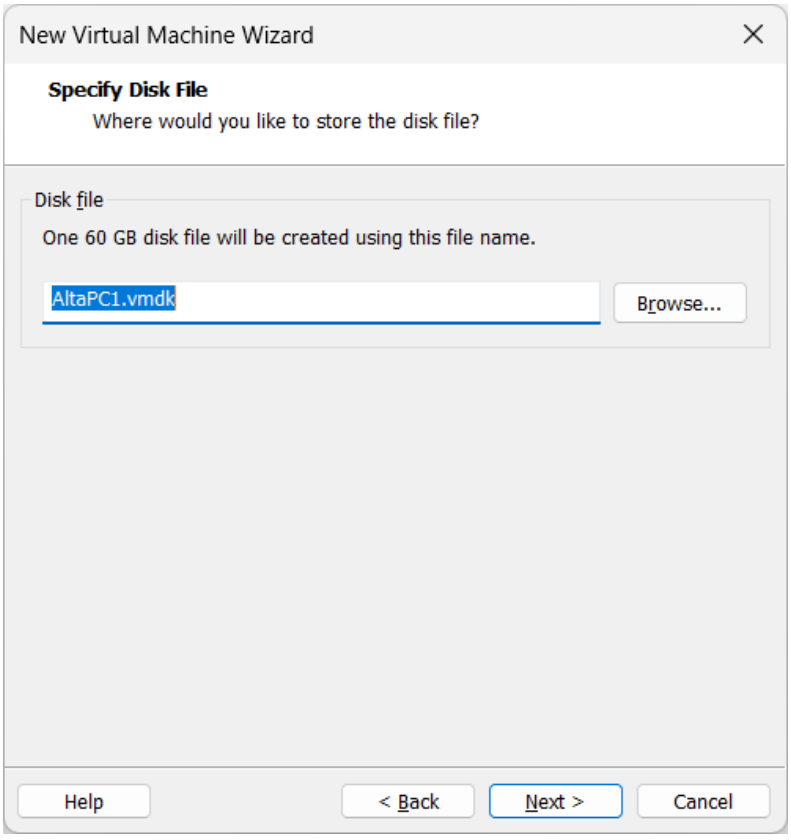

Image 1.14 Naming the hard disk file

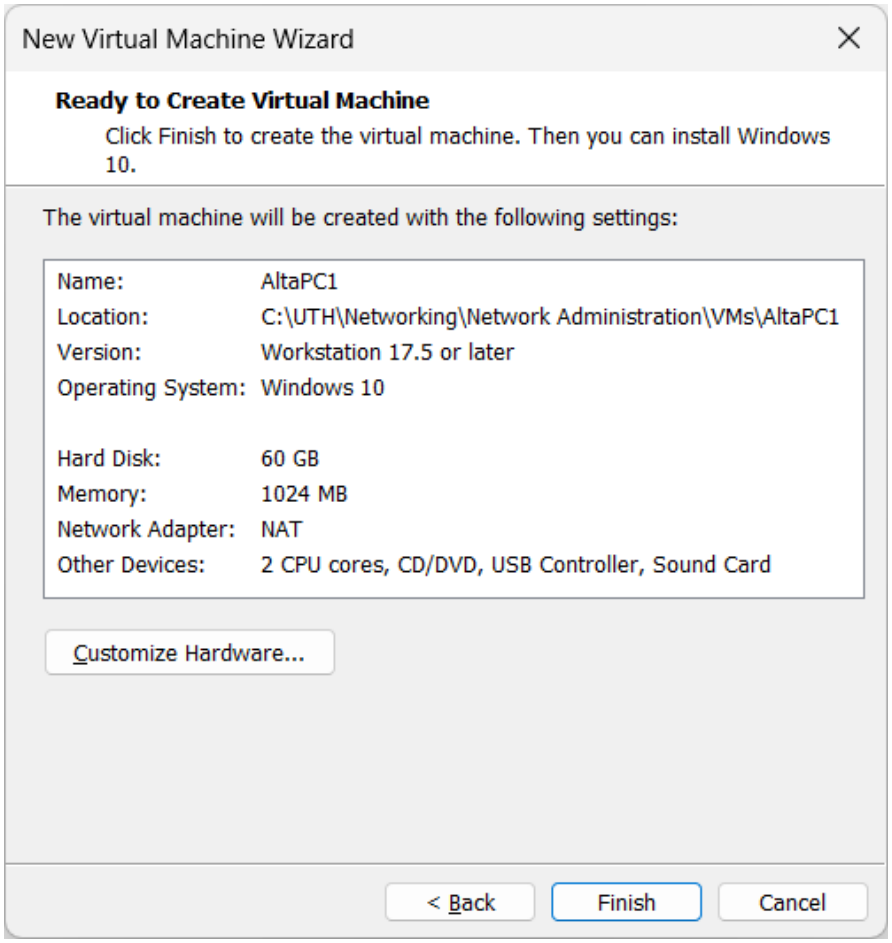

Image 1.15 Finish creating virtual machine

Start AltaPC1 machine without Operating System, the following image will be displayed:

Image 1.16 Virtual machine running without Operating System

Step 2: Install Window 10 Operating System:

Edit AltaPC1 virtual machine with CD Rome references to Windows 10 Iso File

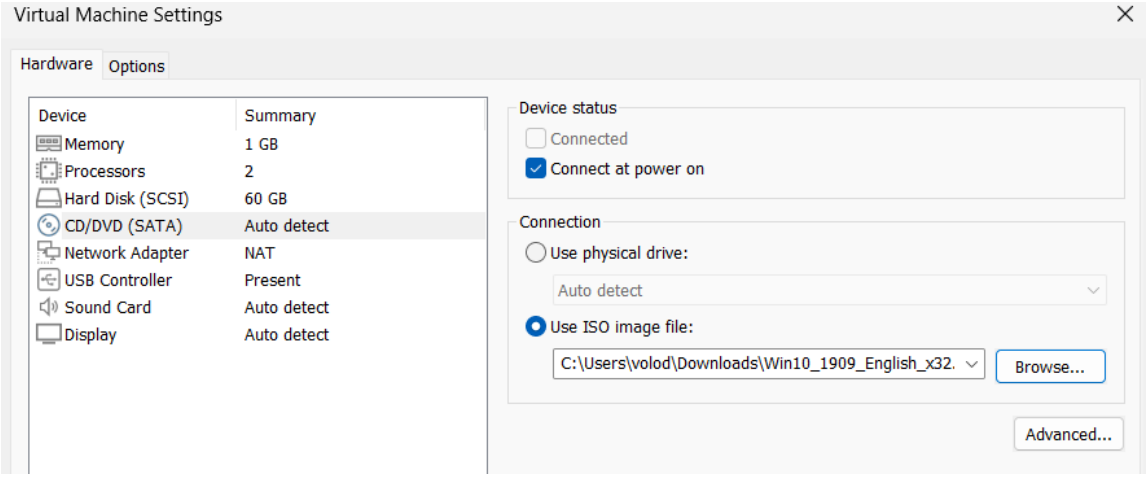

Image 1.17 Select source operating system installation from iso file

Start the Machine to install windows 10 on it

After Install Windows 10, you need to install Vmware Tools

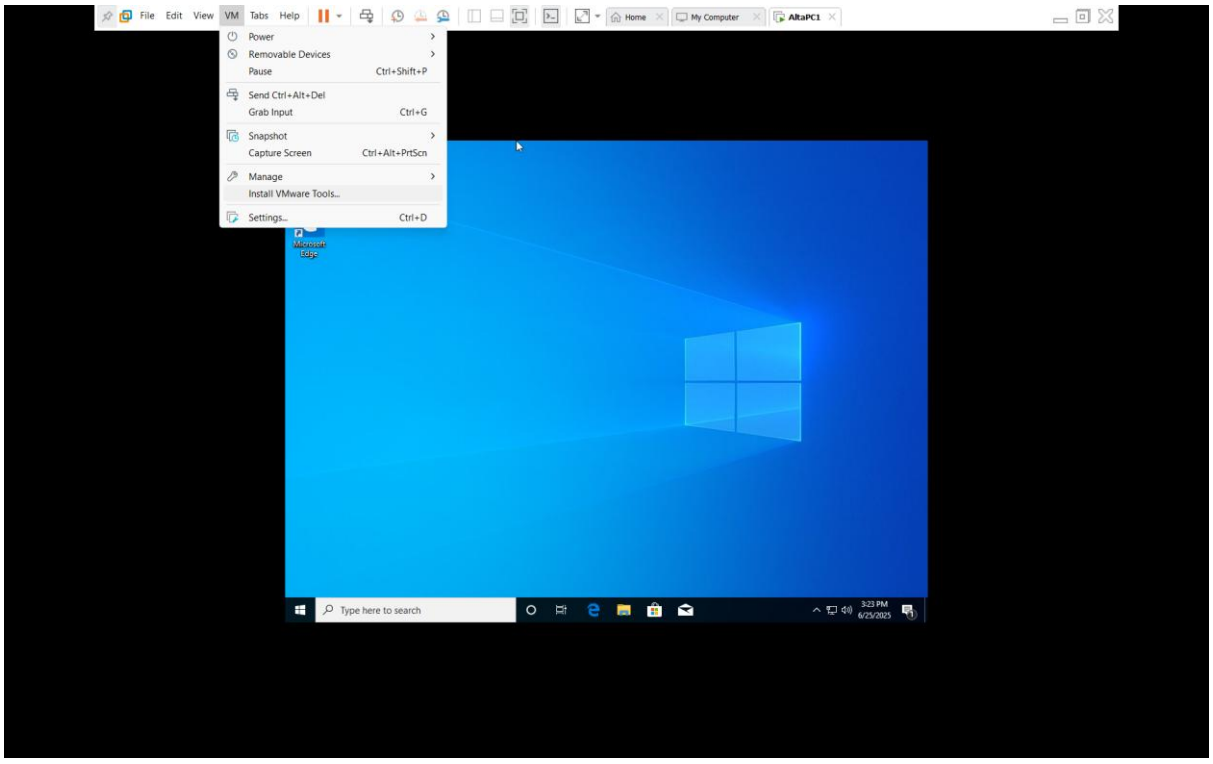

Image 1.18 Virtual maching with window 10 operating system without Vmware tools

GUI after installing VMWare tool

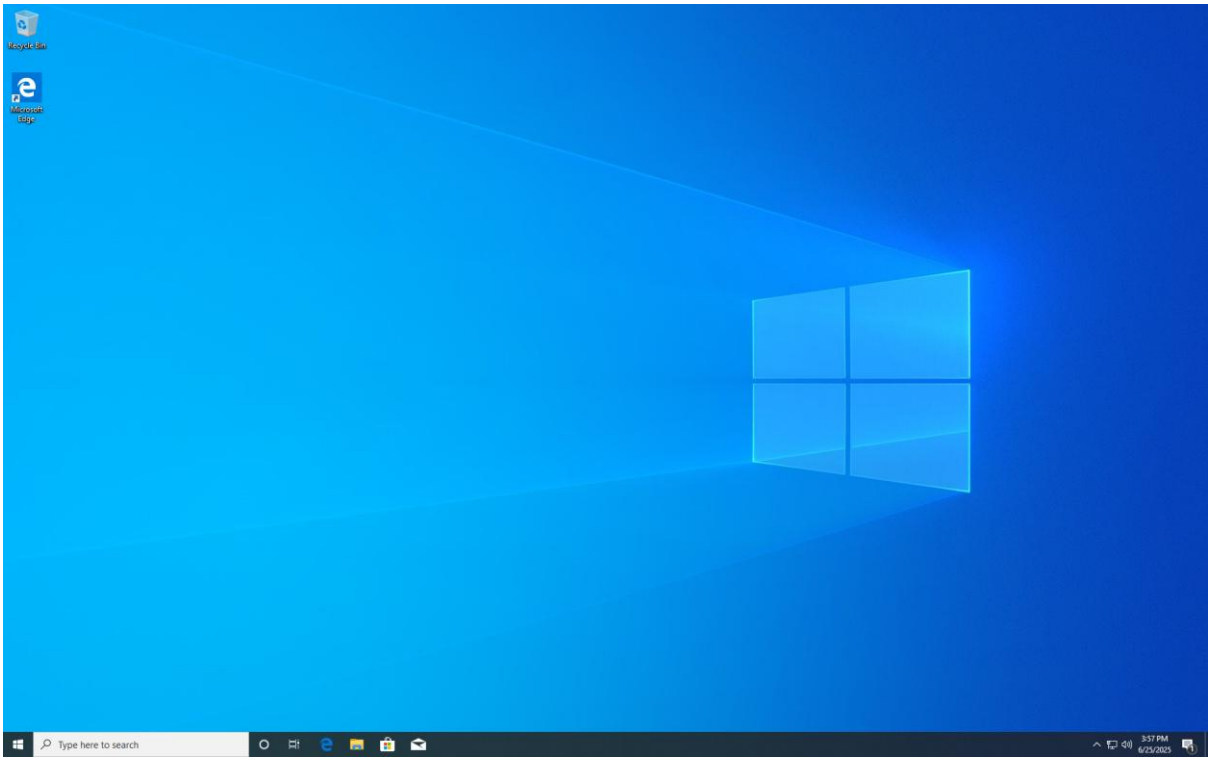

Image 1.19 Virtual maching with window 10 operating system with Vmware tools installed

1.3 Duplicating Virtual Machine:

A network always consists of more than one machines, however, creating and installing them consume too much efforts and time. So the good solution is to install the first time and duplicate to many machines.

We need to clone AltaPC1 to AltaPC2

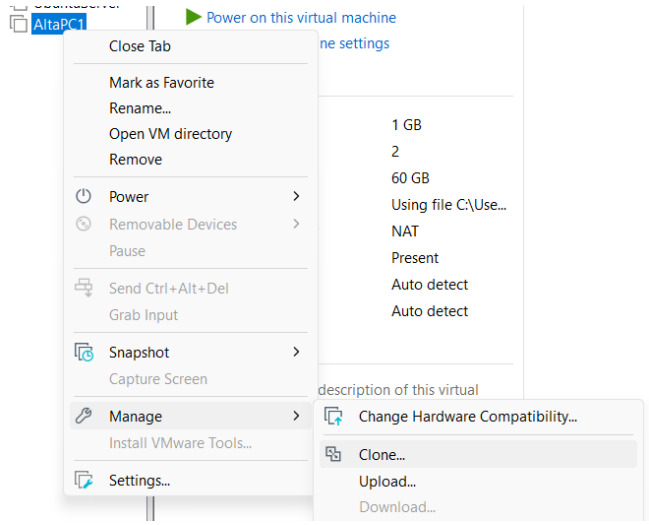

Image 1.20 Clone to a new virtual machine

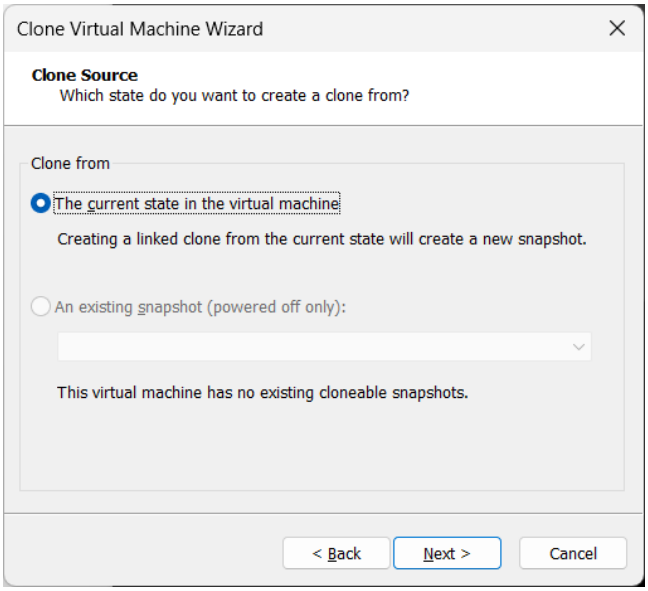

Image 1.21 Select snapshot for the new virtual machine

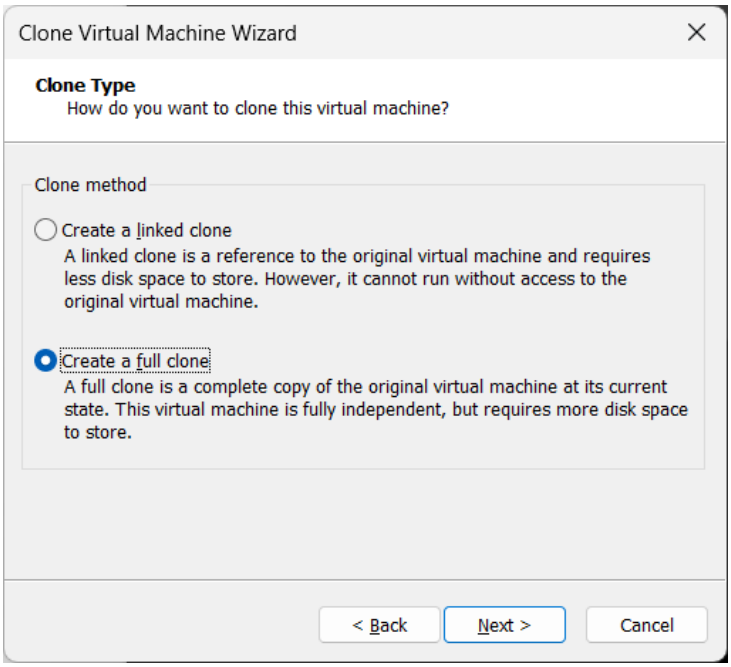

Image 1.22 Select option for the new virtual machine

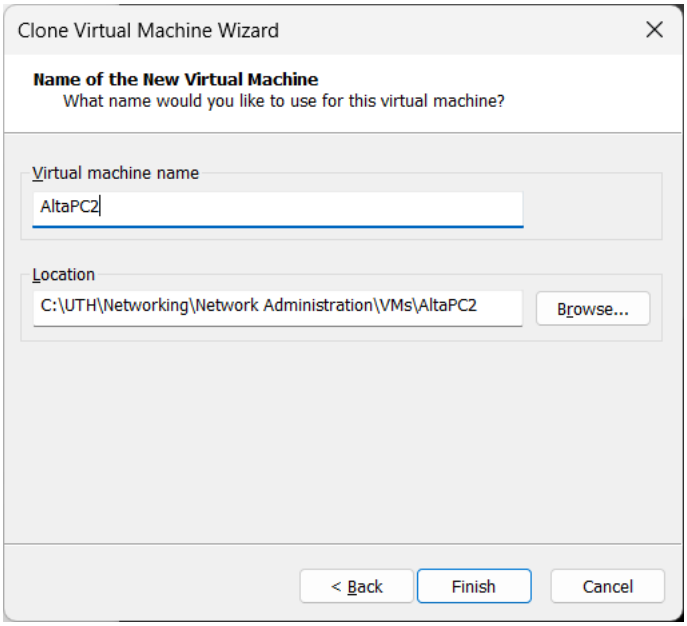

Image 1.23 Select where to store the new virtual machine

1.4 Creating Work Group and files sharing:

Now, up to now, we currently have two virtual machines including AltaPC1 and AltaPC2. We need to configure NICs of the two PCs connecting to the same virtual switch as called Vmnet2

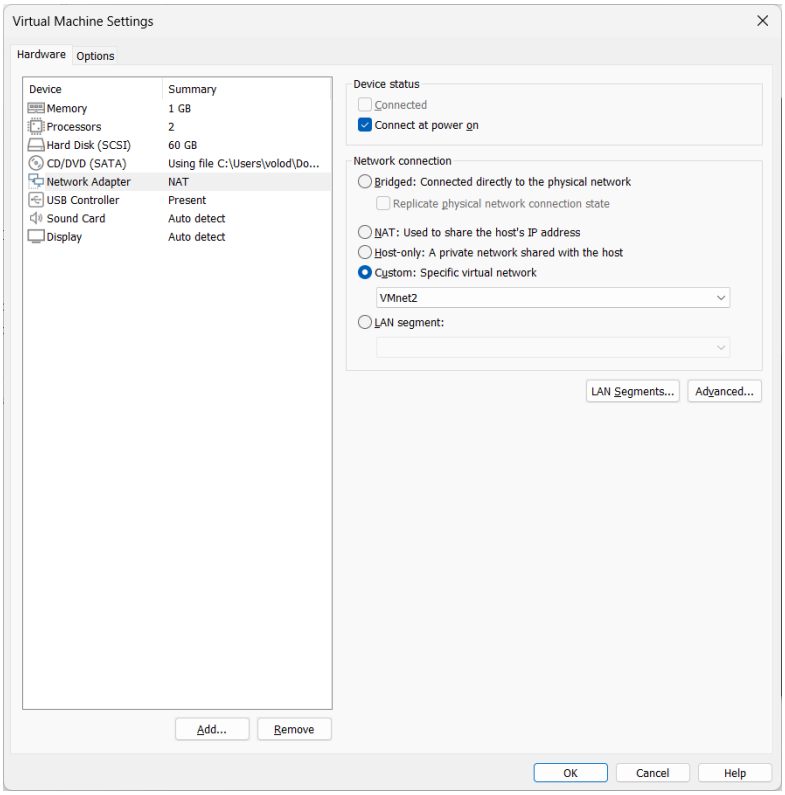

Image 1.24 Configure NIC to join a LAN with two computers

Configuring Ipv4 address for AltaPC1 with 192.168.10.1/29

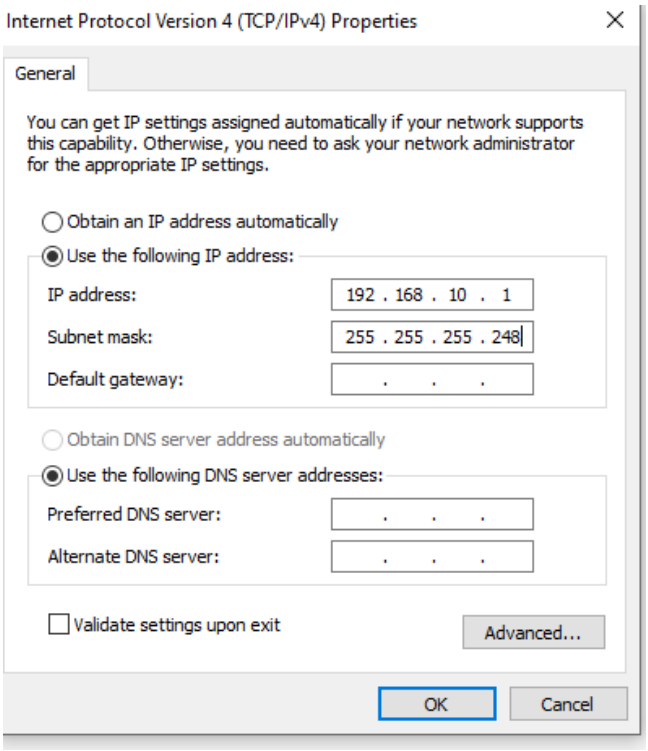

Image 1.25 Configure Ipv4 address for AltaPC1

AltaPC2 with Ipv4 address 192.168.10.2/29

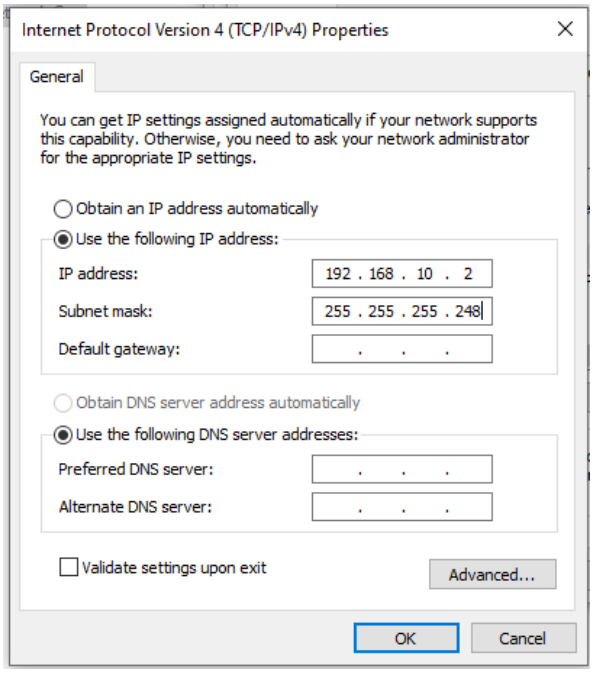

Image 1.26 Configure Ipv4 address for AltaPC2

Turn Window Firewall on both the two machines off and make ping command as the image:

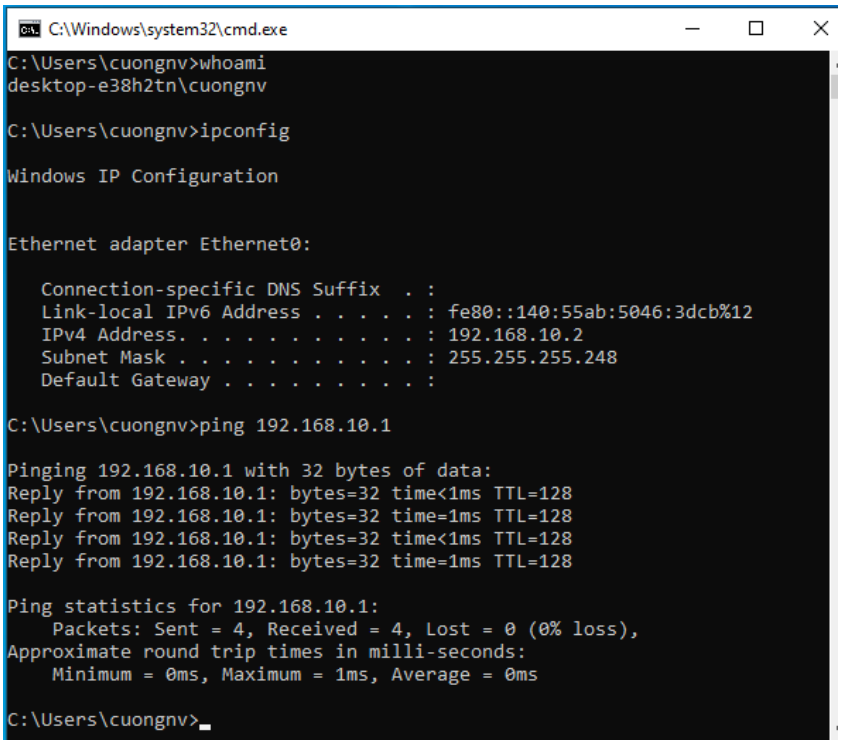

Image 1.27 Test connection between 2 computers

At AltaPC2 machine, create folder AltaPC2 and share it

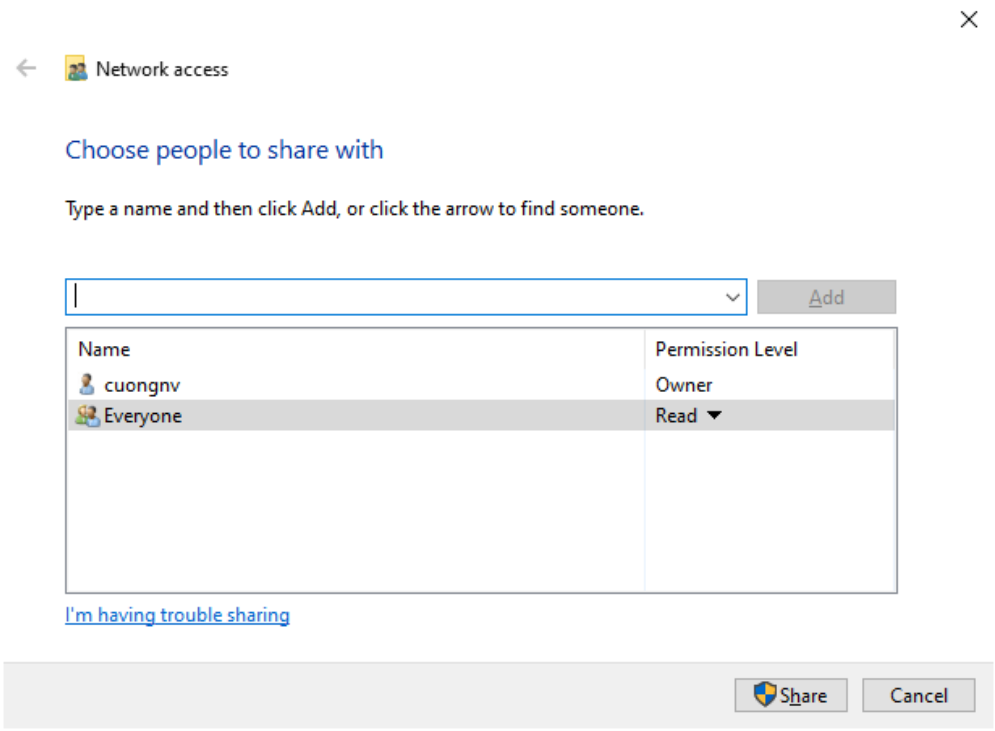

Image 1.28 Share folder AltaPC2 at computer AltaPC2

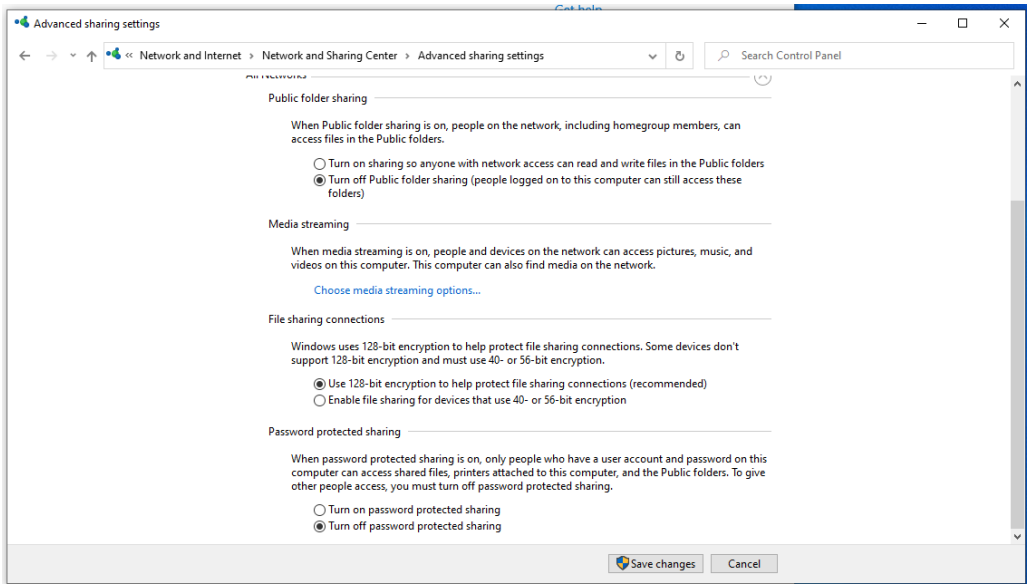

Image 1.29 Configure to allow user not enter password to access shared folders

Select Turn of password protected sharing

On AltaPC1 access to the shared folder on AltaPC2

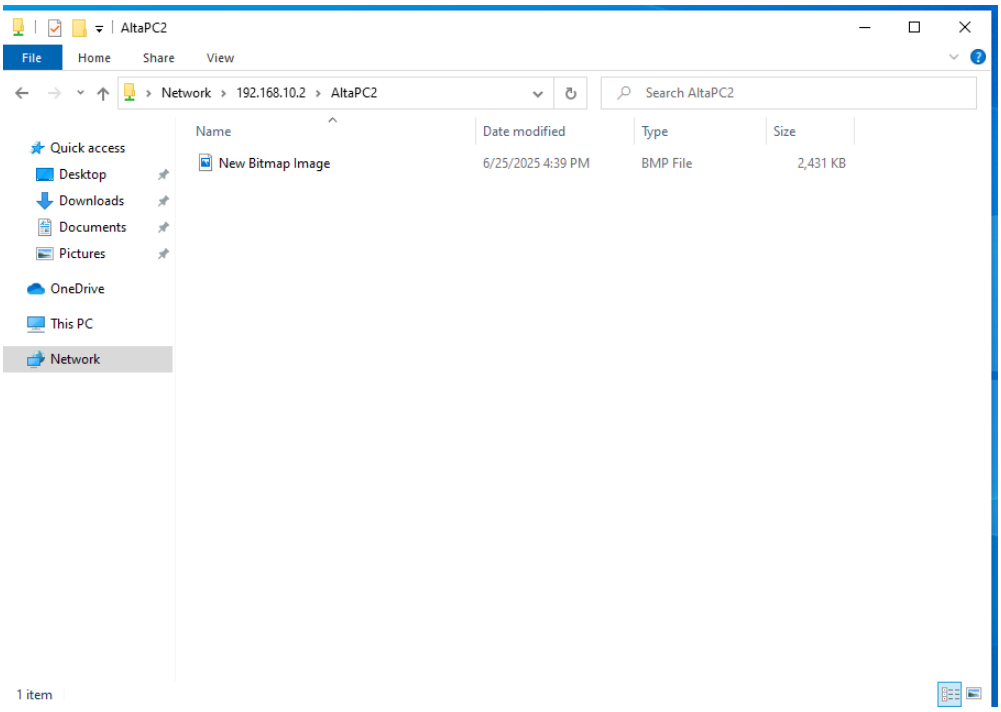

Image 1.30 Test accessing shared folder of AltaPC2 from AltaPC1