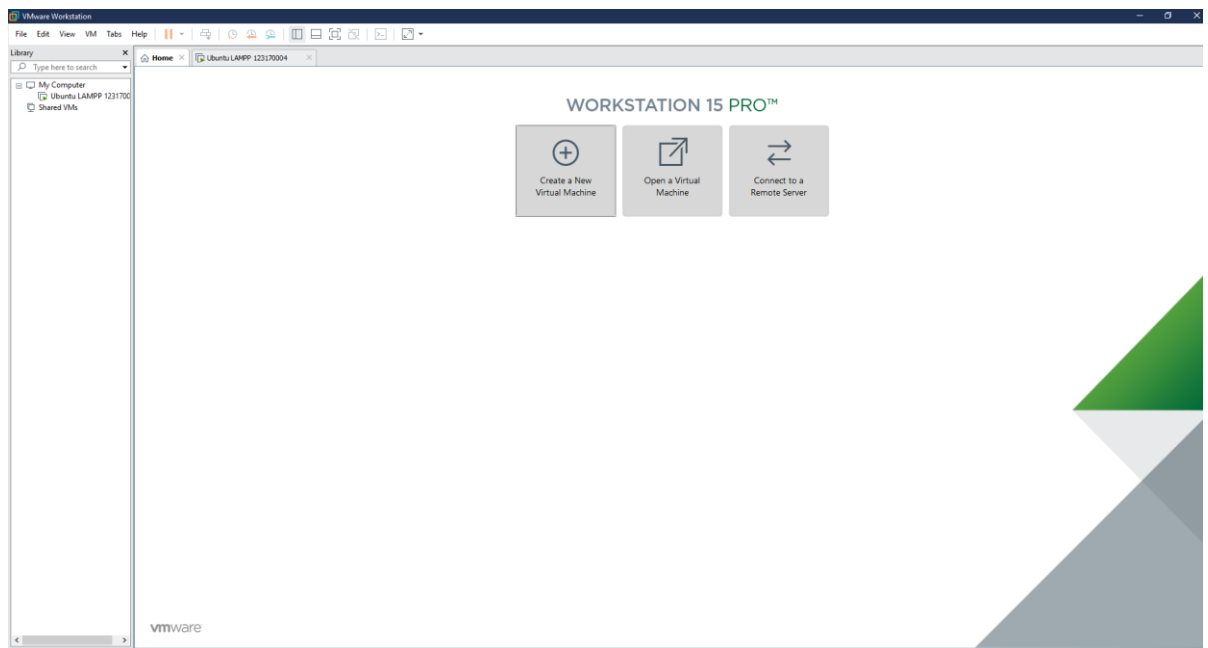


Nama : Habib Muhammad Thariq

NIM : 123170004

## **Pengenalan VMware Workstation dan Linux OS**

1. Cara melakukan hosting cloud dengan vendor 000webhost
  - Membuat kodingan yang berisi 4 file, yaitu : koneksi.php, home.php, login.php dan cek\_login.php.
  - Melakukan kompresi zip terhadap ke empat file kodingan.
  - Mendaftar akun di vendor 000webhost.
  - Membuat nama situs.
  - Memuat database dan table yang akan digunakan. Dalam hal ini tablenya bernama admin.
  - Adapun column-nya yaitu username dan password.
  - Mengunggah file zip ke web hosting, kemudian di ekstrak.
  - Memindahkan direktori file ke direktori yang diinginkan.
  - Melakukan perubahan terhadap beberapa hal yakni db name dan db user.
  - Selesai dan siap untuk diakses.
2. Swapping  
Swapping adalah fitur untuk melakukan virtualisasi RAM menggunakan harddisk. Biasa digunakan sebagai RAM pada VMware.
3. Membuat Virtual Machine baru
  - Klik create new virtual machine
  - Pilih custom (advanced)
  - Pilih Hardware compatibility Workstation 15.x
  - Pilih installer disc image file (iso), kemudian browse.
  - Pilih file iso. Dalam hal ini kita menggunakan ubuntu-18.10-live-server-amd64.
  - Isi setiap kolom yang disediakan sesuai keinginan
  - Isi nama virtual machine dan pilih lokasi penyimpanan file sbg virtual harddisk
  - Pilih jumlah processors dan number of core per processors. Semakin tinggi maka performanya semakin baik.
  - Pilih jumlah memory ram yang akan disediakan. Pada contoh saya memilih 1024 MB (1 GB). Semakin tinggi maka performa semakin baik.
  - Choose network type. Jika bridged maka virtual machine mendapat IP yang sama dengan host computer (memiliki tingkatan yang sama dengan host computer). Network address translation berarti virtual machine mendapatkan IP yang berbeda dengan host computer (virtual machine hanya dapat berinteraksi dengan host computer atau sesama virtual machine didalam host computer). Host-only networking, virtual machine memiliki private network yang artinya virtual machine tidak dapat berinteraksi dengan host computer maupun virtual machine lain didalam host computer.
  - Pilih I/O controller types
  - Pilih Disk type. IDE merupakan tipe harddisk lama, compatible dengan windows xp. SCSI dan SATA setara dengan harddisk saat ini, namun SATA adalah versi terbarunya. NVme yaitu SSD.
  - Pilih disk. Create a new virtual disk berarti kita menyiapkan satu virtual disk baru untuk virtual machine. Use an existing virtual disk berarti menggunakan virtual disk yang sudah ada. Use a physical disk berarti membuat virtual machine berinteraksi langsung dengan harddisk.
  - Specify disk capacity. Menentukan kapasitas yang disediakan untuk virtual machine.



New Virtual Machine Wizard

Choose the Virtual Machine Hardware Compatibility

Which hardware features are needed for this virtual machine?

Virtual machine hardware compatibility

Hardware compatibility: Workstation 15.x

Compatible with: ☒ ESX Server

Compatible products:

Fusion 11.x  
Workstation 15.x

Limitations:

64 GB memory  
16 processors  
10 network adapters  
8 TB disk size  
3 GB shared graphics memory

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New Virtual Machine Wizard

Guest Operating System Installation

A virtual machine is like a physical computer; it needs an operating system. How will you install the guest operating system?

Install from:

☐ Installer disc:

DVD RW Drive (E:)

☒ Installer disc image file (iso):

C:\ISO Library\ubuntu-18.10-live-server-amd64.iso

Browse...

☐ I will install the operating system later.

The virtual machine will be created with a blank hard disk.

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New Virtual Machine Wizard

Easy Install Information

This is used to install Ubuntu 64-bit.

Personalize Linux

Full name:

Habib Muhammad Thariq

User name:

habib

Password:

•••••

(optional)

Confirm:

•••••

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New Virtual Machine Wizard

Name the Virtual Machine

What name would you like to use for this virtual machine?

Virtual machine name:

Habib Muhammad Thariq

Location:

C:\Users\Lab Informatika\Documents\Virtual Machines\Habib Mu

Browse...

The default location can be changed at Edit > Preferences.

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New Virtual Machine Wizard

Processor Configuration

Specify the number of processors for this virtual machine.

Processors

Number of processors:

2

Number of cores per processor:

1

Total processor cores:

2

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New Virtual Machine Wizard

Memory for the Virtual Machine

How much memory would you like to use for this virtual machine?

Specify the amount of memory allocated to this virtual machine. The memory size must be a multiple of 4 MB.

64 GB -

32 GB -

16 GB -

8 GB -

4 GB -

2 GB -

1 GB -

512 MB -

256 MB -

128 MB -

64 MB -

32 MB -

16 MB -

8 MB -

4 MB -

Memory for this virtual machine:

2048

MB

Maximum recommended memory:

2 GB

Recommended memory:

2 GB

Guest OS recommended minimum:

1 GB

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New Virtual Machine Wizard

Network Type

What type of network do you want to add?

Network connection

☐ Use bridged networking

Give the guest operating system direct access to an external Ethernet network. The guest must have its own IP address on the external network.

☒ Use network address translation (NAT)

Give the guest operating system access to the host computer's dial-up or external Ethernet network connection using the host's IP address.

☐ Use host-only networking

Connect the guest operating system to a private virtual network on the host computer.

☐ Do not use a network connection

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New Virtual Machine Wizard

Select I/O Controller Types

Which SCSI controller type would you like to use?

I/O controller types

SCSI Controller:

☐ BusLogic (Not available for 64-bit guests)

☒ LSI Logic

(Recommended)

☐ LSI Logic SAS

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New Virtual Machine Wizard

×

**Select a Disk Type**  
What kind of disk do you want to create?

Virtual disk type

☐ IDE

☒ SCSI (Recommended)

☐ SATA

☐ NVMe

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New Virtual Machine Wizard

×

**Select a Disk**  
Which disk do you want to use?

Disk

☒ Create a new virtual disk  
A virtual disk is composed of one or more files on the host file system, which will appear as a single hard disk to the guest operating system. Virtual disks can easily be copied or moved on the same host or between hosts.

☐ Use an existing virtual disk  
Choose this option to reuse a previously configured disk.

☐ Use a physical disk (for advanced users)  
Choose this option to give the virtual machine direct access to a local hard disk. Requires administrator privileges.

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New Virtual Machine Wizard

**Specify Disk Capacity**  
How large do you want this disk to be?

Maximum disk size (GB):

Recommended size for Ubuntu 64-bit: 20 GB

☐ Allocate all disk space now.  
Allocating the full capacity can enhance performance but requires all of the physical disk space to be available right now. If you do not allocate all the space now, the virtual disk starts small and grows as you add data to it.

☐ Store virtual disk as a single file

☒ Split virtual disk into multiple files  
Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks.

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