

Pengenalan VMware Workstation dan Linux OS

1. Jelaskan tahapan yang dilakukan untuk melakukan hosting cloud dengan vendor 000webhost

Jawaban :

- Membuat coding web
- Mendaftar/login akun 000webhost
- Kompres folder kodingan dalam bentuk zip file
- Tambah ke dalam webhost
- Membuat database manager
- Import database
- Edit koneksi database pada kodingan jika belum sesuai
- Upload zip file
- Buka dan cek web nya
- Selesai

Memfaatkan fasilitas swapping ketika device atau komputer kita tidak memiliki cukup memory fisik untuk menjalankan VM, misal ram kita hanya 4 giga namun kita membutuhkan 8gb memory untuk virtual machine.

Membuat Virtual Machine pada VMware Workstation

- Create new virtual machine
- Pilih custom installation, klik next



- Pilih hardware compatibility (menyesuaikan dengan OS yang akan diinstall, dalam kasus ini saya akan menginstall Linux OS v18 yang merupakan OS moderen sehingga saya pilih compatibility yang tertinggi yaitu workstation 15.x), next

The screenshot shows the 'New Virtual Machine Wizard' window with the title bar 'New Virtual Machine Wizard' and a close button. The main heading is 'Choose the Virtual Machine Hardware Compatibility' with the subtitle 'Which hardware features are needed for this virtual machine?'. Below this, there is a section 'Virtual machine hardware compatibility' containing a dropdown menu for 'Hardware compatibility:' set to 'Workstation 15.x', and a checkbox for 'Compatible with:' which is checked and labeled 'ESX Server'. Underneath, there are two list boxes: 'Compatible products:' containing 'Fusion 11.x' and 'Workstation 15.x', and 'Limitations:' containing '64 GB memory', '16 processors', '10 network adapters', '8 TB disk size', and '3 GB shared graphics memory'. At the bottom, there are four buttons: 'Help', '< Back', 'Next >' (which is highlighted with a blue border), and 'Cancel'.

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

Help < Back Next > Cancel

- Pilih file iso OS yang akan diinstall, jika sudah kemudian klik next

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...

Ubuntu 64-bit Server 18.10 detected.
This operating system will use Easy Install. [\(What's this?\)](#)

☐ I will install the operating system later.
The virtual machine will be created with a blank hard disk.

Help < Back Next > Cancel

- Isi sesuai data kita, kemudia klik next

New Virtual Machine Wizard

Easy Install Information
This is used to install Ubuntu 64-bit.

Personalize Linux

Full name:

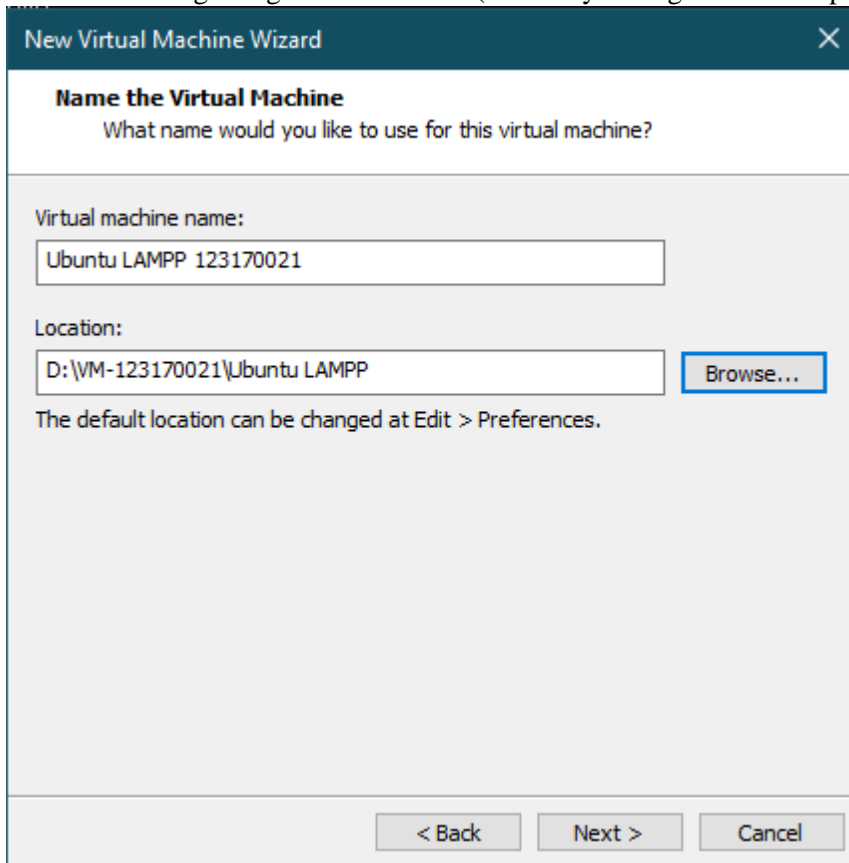
User name:

Password: (optional)

Confirm:

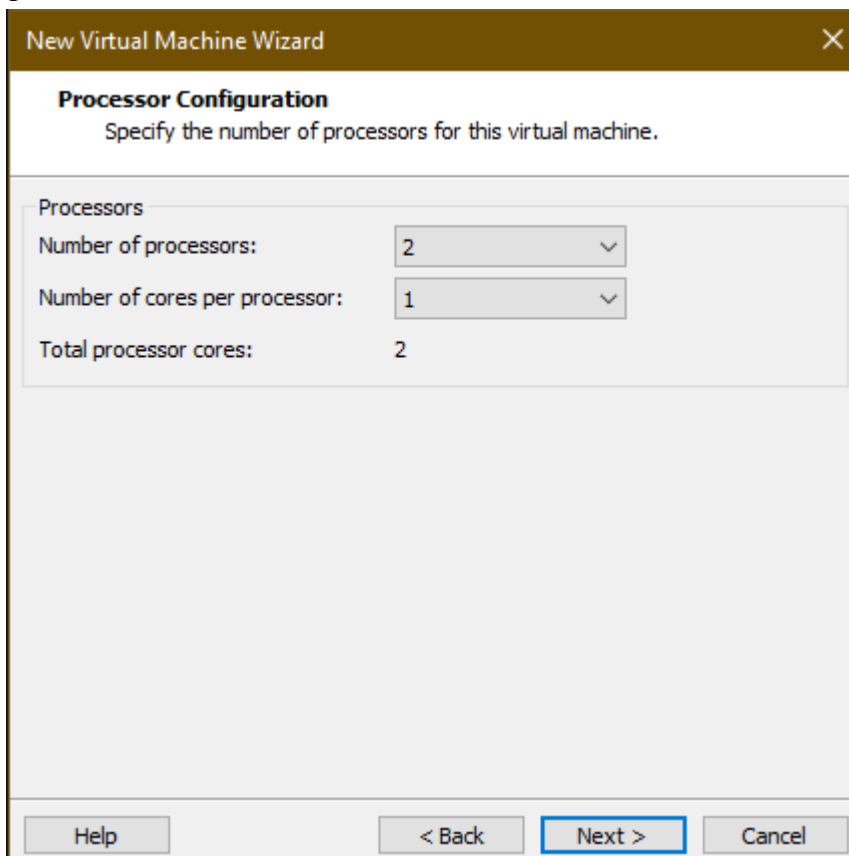
Help < Back Next > Cancel

- Kemudian Isi lagi dengan format bebas (disini saya mengikuti format praktikum)



The screenshot shows the 'Name the Virtual Machine' step of the 'New Virtual Machine Wizard'. The title bar is dark blue with a close button. The main title is 'Name the Virtual Machine' in bold, followed by the instruction 'What name would you like to use for this virtual machine?'. There are two input fields: 'Virtual machine name:' with the text 'Ubuntu LAMPP 123170021' and 'Location:' with the text 'D:\VM-123170021\Ubuntu LAMPP'. A 'Browse...' button is next to the location field. Below the fields is a note: 'The default location can be changed at Edit > Preferences.' At the bottom are three buttons: '< Back', 'Next >', and 'Cancel'.

- Menentukan jumlah core yang akan dipakai untuk virtual machine, disini saya memilih 2 dan 1



The screenshot shows the 'Processor Configuration' step of the 'New Virtual Machine Wizard'. The title bar is dark blue with a close button. The main title is 'Processor Configuration' in bold, followed by the instruction 'Specify the number of processors for this virtual machine.' There are two dropdown menus: 'Number of processors:' set to '2' and 'Number of cores per processor:' set to '1'. Below these is a label 'Total processor cores:' with the value '2'. At the bottom are four buttons: 'Help', '< Back', 'Next >' (highlighted with a blue border), and 'Cancel'.

- Menentukan jumlah memory disini saya menggunakan 1gb memory

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.

Memory for this virtual machine: 1024 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 -

Maximum recommended memory:
2 GB

Recommended memory:
2 GB

Guest OS recommended minimum:
1 GB

Help < Back Next > Cancel

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

Help

< Back

Next >

Cancel

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

Help

< Back

Next >

Cancel

- Menentukan kapasitas storage yang akan dipakai

The screenshot shows a window titled "New Virtual Machine Wizard" with a close button (X) in the top right corner. The main heading is "Specify Disk Capacity" with the subtitle "How large do you want this disk to be?". Below this, there is a text input field for "Maximum disk size (GB):" with the value "20.0" and a spinner control. Underneath, it says "Recommended size for Ubuntu 64-bit: 20 GB". There are two radio button options: "Allocate all disk space now." (which is unchecked) and "Split virtual disk into multiple files" (which is selected). A descriptive paragraph follows the selected option: "Splitting the disk makes it easier to move the virtual machine to another computer but may reduce performance with very large disks." At the bottom, there are four buttons: "Help", "< Back", "Next >" (which is highlighted with a blue border), and "Cancel".

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.

Help < Back Next > Cancel

-