



Fatima Jinnah Women University
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OPEN ENDED LAB

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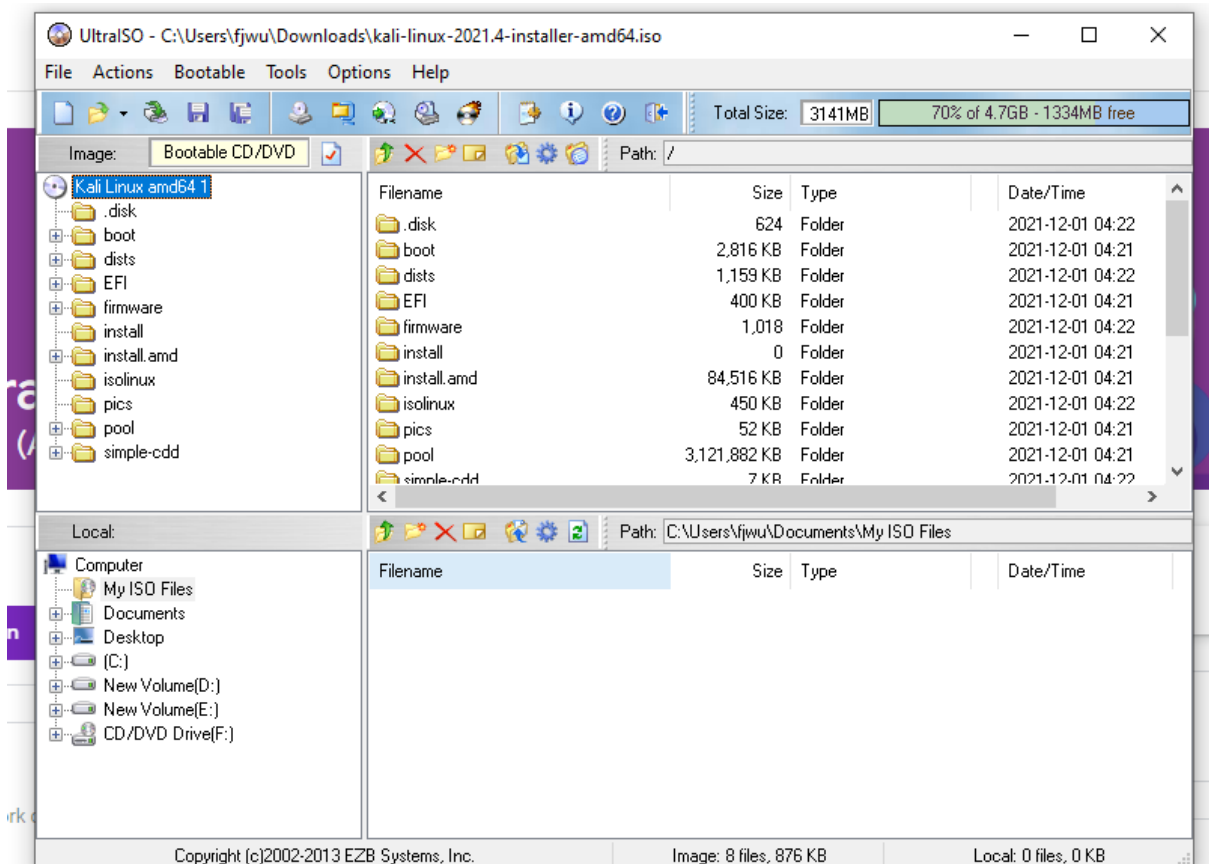
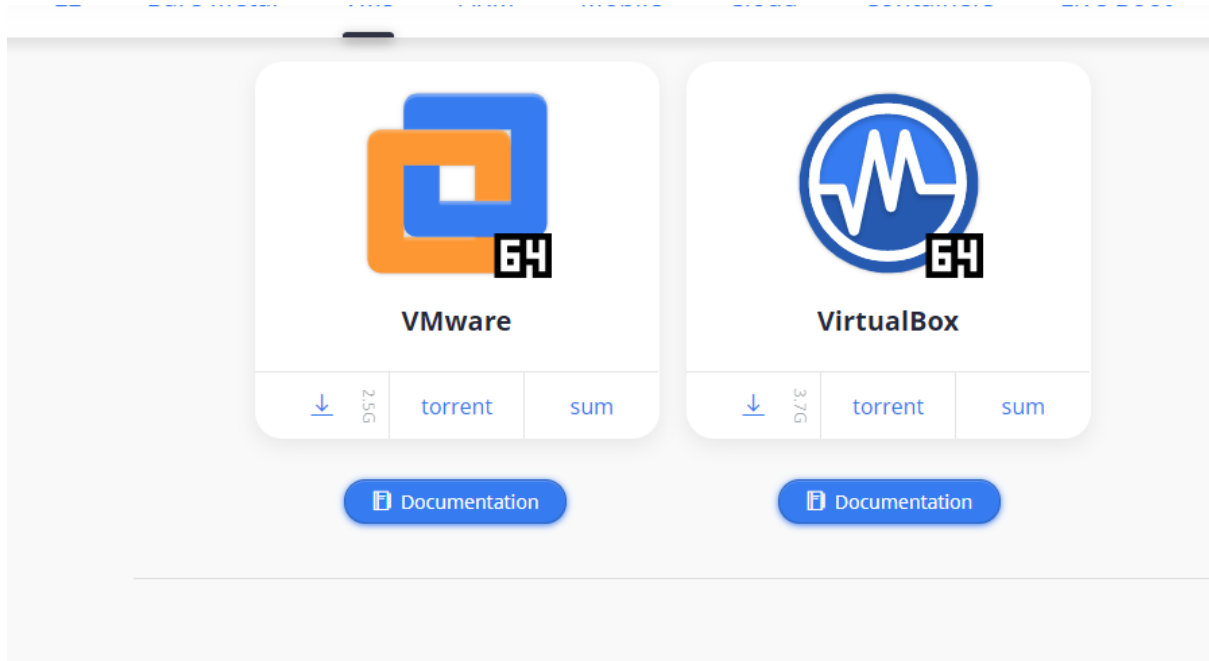
Reg. no: 2020-BSE-024

Section: A

Semester: Third

Course: Operating System (LAB)

Task # 1





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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 8.x

Compatible with: ☒ ESX Server

Compatible products:

ESXi 7.0
ESXi 6.7
ESXi 6.7
ESXi 6.5
ESXi 6.0
ESXi 5.5
ESXi 5.1
ESXi 5.0
Fusion 12.x
Fusion 11.x

Limitations:

64 GB memory
8 processors
10 network adapters
2 TB disk size
No SATA devices
No NVMe devices
No UEFI secure boot support
No virtual camera support
No DirectX 10 support
No IOMMU support

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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:

 CD Drive (F:)


▼

☒ Installer disc image file (iso):

C:\Users\fwu\Downloads\kali-linux-2021.4-installer-ar

▼

Browse...

 Could not detect which operating system is in this disc image.
You will need to specify which operating system will be installed.

☐ 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

Select a Guest Operating System

Which operating system will be installed on this virtual machine?

Guest operating system

☐ Microsoft Windows

☒ Linux

☐ VMware ESX

☐ Other

Version

Ubuntu 64-bit

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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:

Location:

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:

2

Total processor cores:

4

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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:

6.2 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 for SCSI virtual disks?

I/O controller types

SCSI Controller:

☐ BusLogic (Not available for 64-bit guests)

☒ LSI Logic (Recommended)

☐ LSI Logic SAS

☐ Paravirtualized SCSI

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New Virtual Machine Wizard

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Select a Disk Type

What kind of disk do you want to create?

Virtual disk type

☐ IDE

☒ SCSI (Recommended)

☐ SATA

☐ NVMe

SATA devices are not supported on Workstation 8.x virtual machines.

NVMe devices are not supported on Workstation 8.x virtual machines.

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New Virtual Machine Wizard

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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): 80.000

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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New Virtual Machine Wizard

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Specify Disk File

Where would you like to store the disk file?

Disk file

A 80 GB virtual disk be created using multiple disk files. The disk files will be automatically named based on this file name.

kali linux.vmdk

Browse...

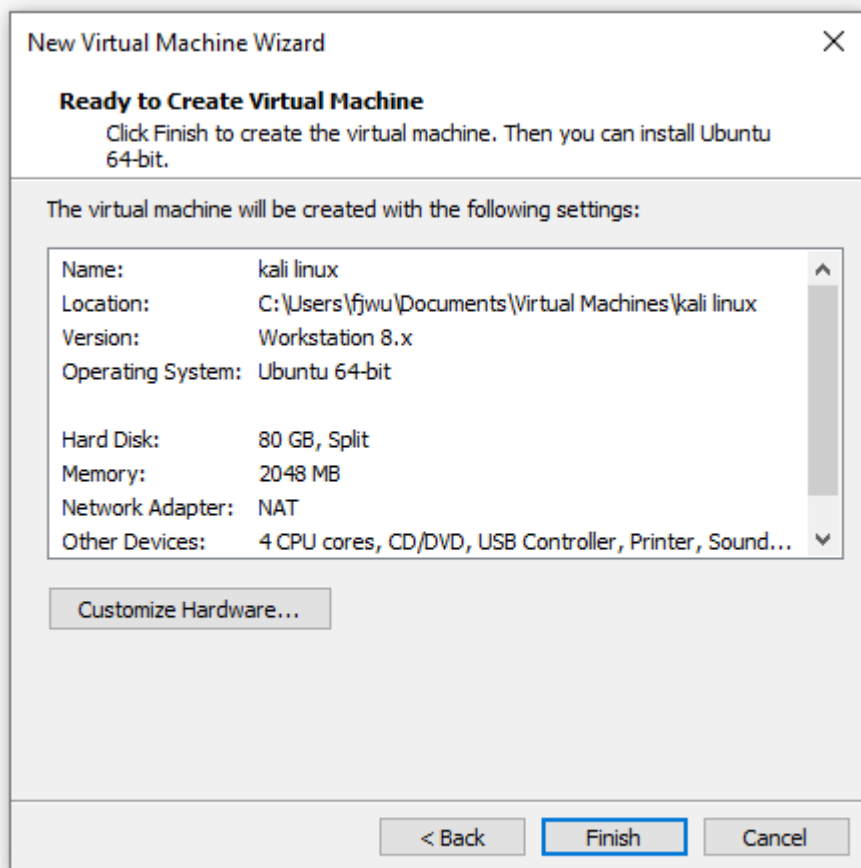
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