

CLOUD COMPUTING

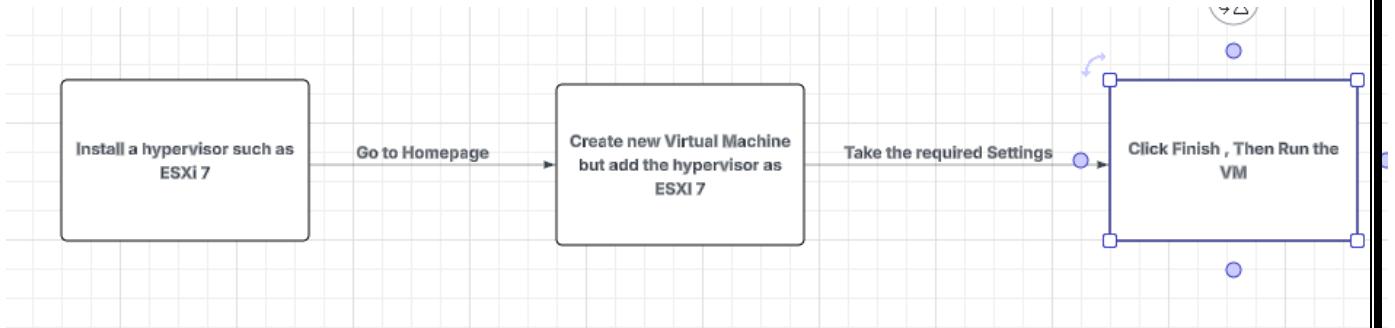
Branch	CS - AIML
Division	A
Batch	2
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Experiment No. 03:

TITLE:

To Deploy Virtual Machine on hypervisor such as KVM, ESXI 7. Take Backup and migrate them.

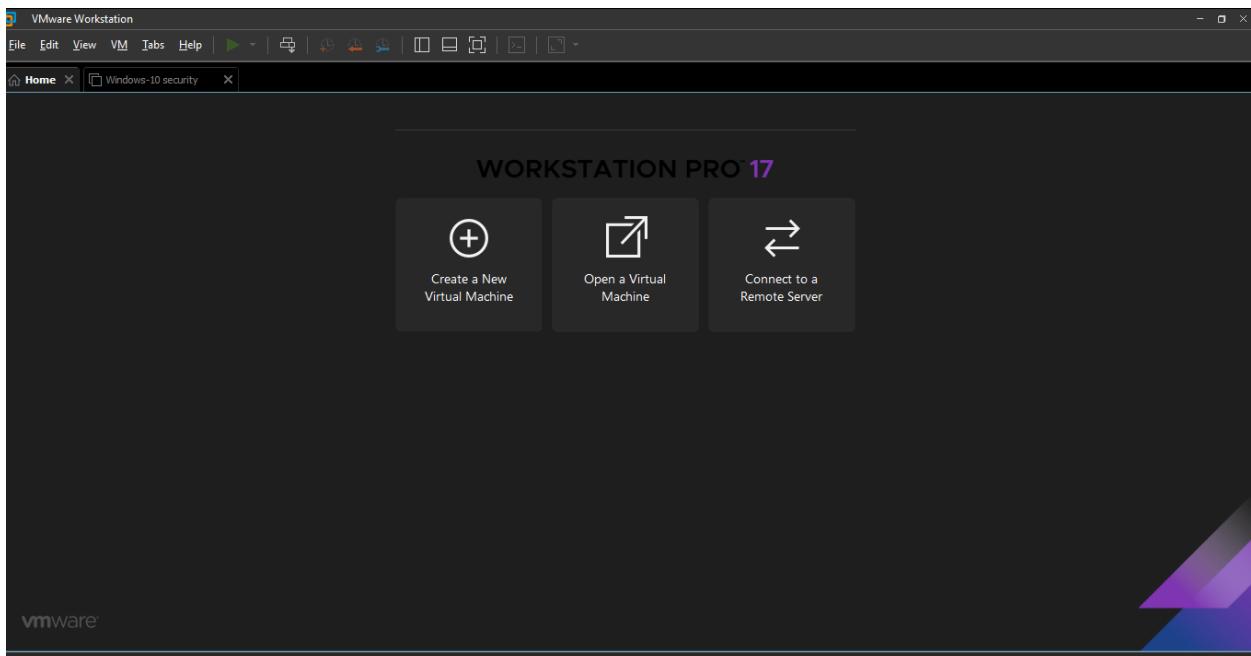
FLOWCHART:



STEPS:

- 1) Install a Hypervisor such as ESXI 7.

Home page:



- 2) Click on create a New Virtual Machine. Click on custom, select the hypervisor you installed, select the disk, select the name and the storage size.

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 (D:)

Installer disc image file (iso):

VMware-VMvisor-Installer-7.0U3f-20036589.x86_64.iso

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VMware ESXi 7 detected.

I will install the operating system later.

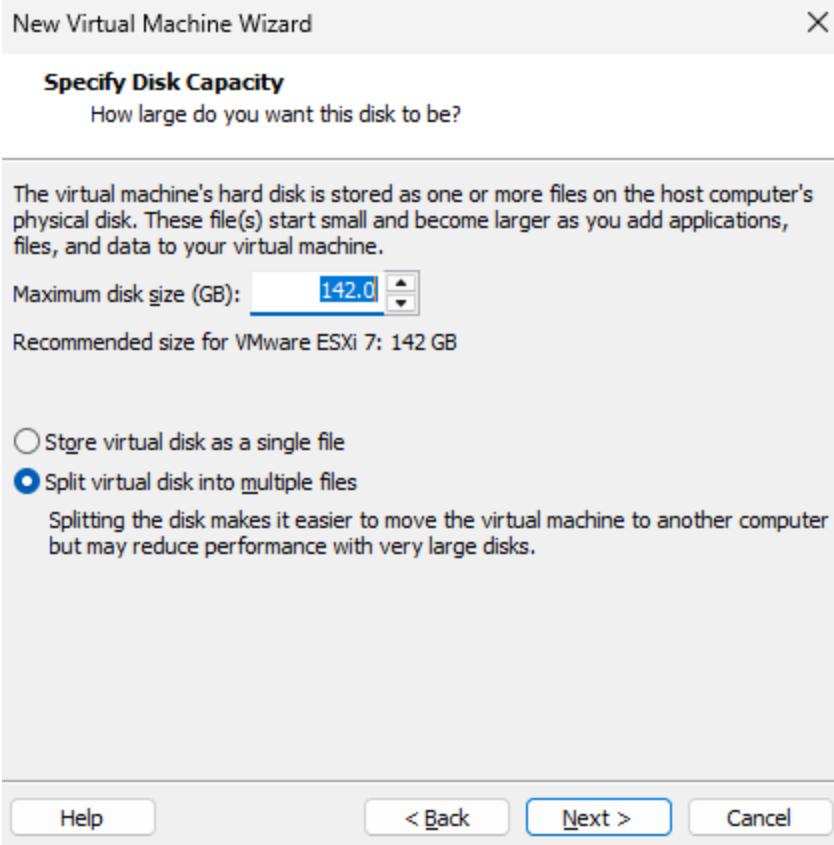
The virtual machine will be created with a blank hard disk.

[Help](#)

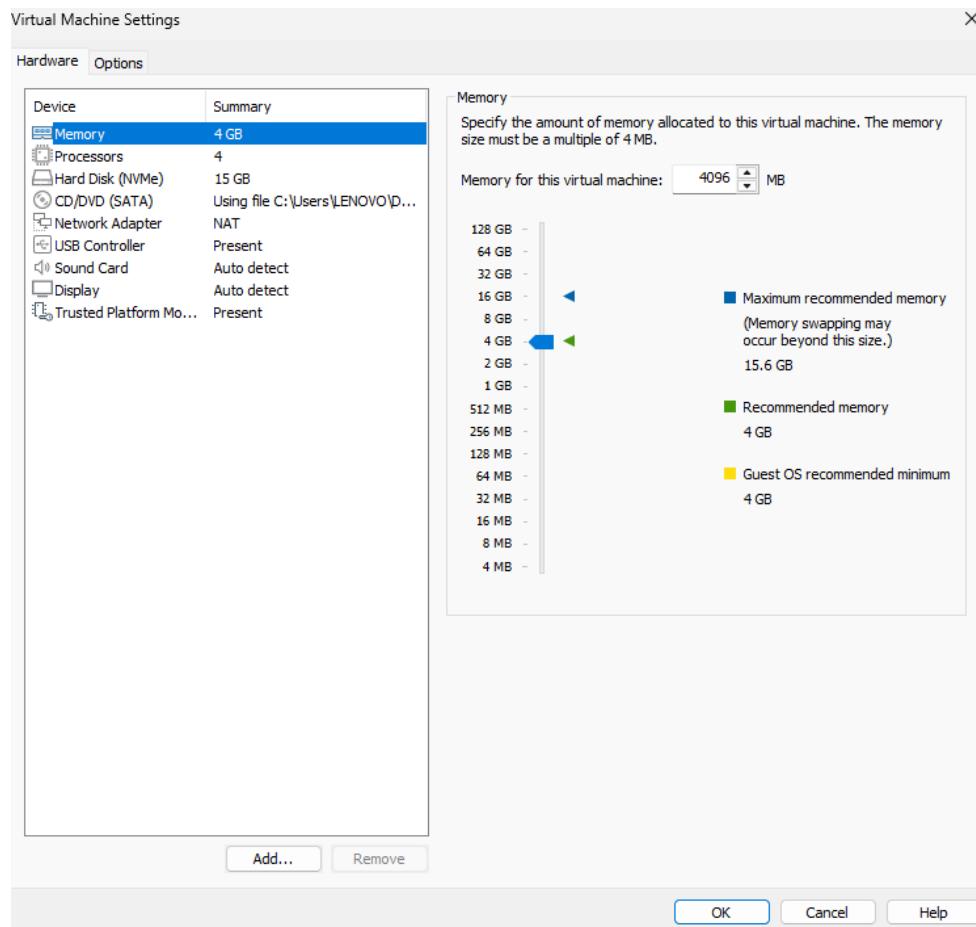
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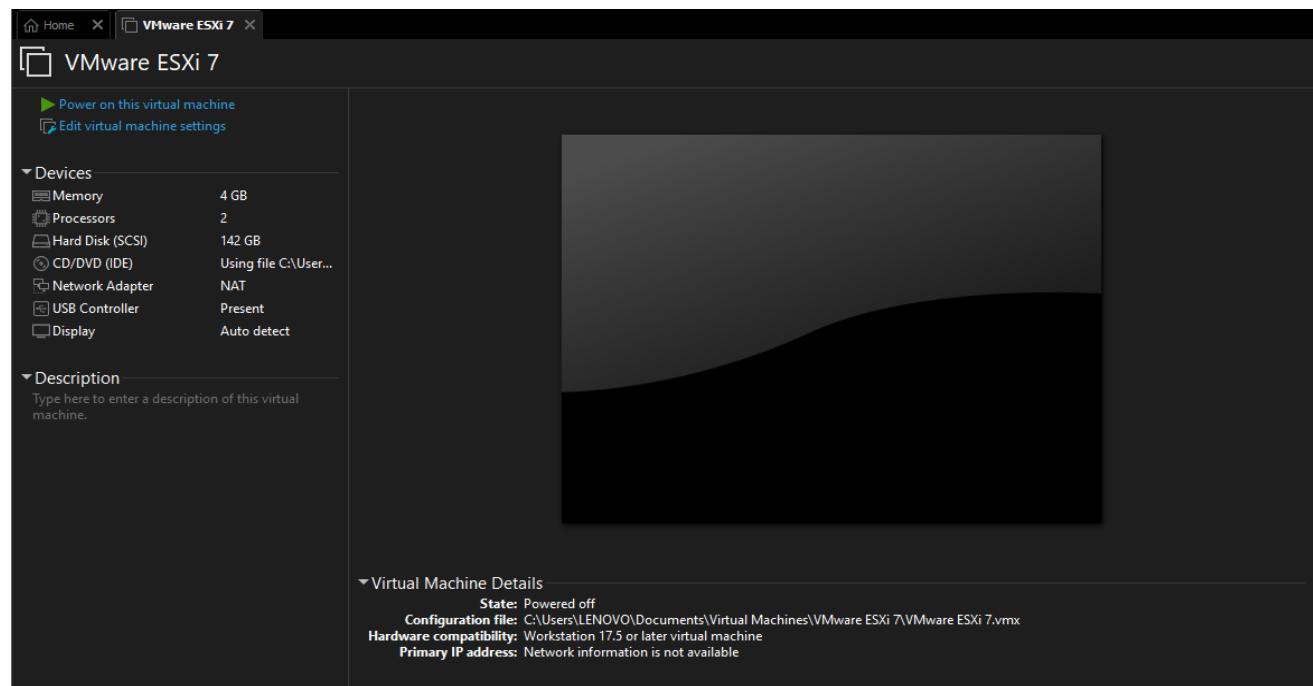
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- 3) Click on finish. The virtual machine should be now visible in library. Now click on Edit Virtual Machine settings.



Now you can run the virtual machine —



CONCLUSION:

In this experiment, we successfully installed an operating system inside a VM using VirtualBox/VMware Workstation, added additional storage, and deployed a VM on enterprise-grade hypervisors such as KVM and ESXi. We also learned how to take VM backups and migrate them between hosts or datastores. These skills are fundamental in cloud computing environments where virtualization, high availability, and disaster recovery are critical.