



# SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

ESBII - 2016  
Practical 03 - Report

Registration No.

IT13029364

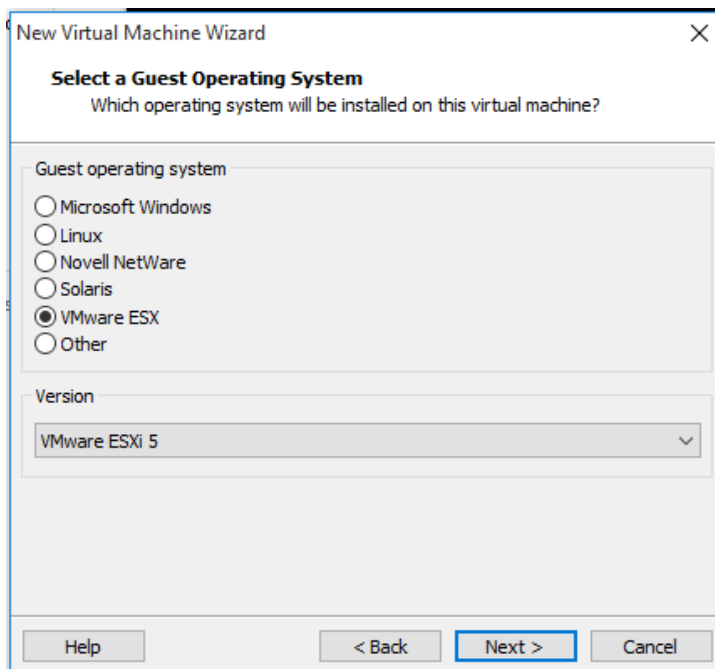
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Name

Ismail M. I

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## Step 1: Installing VMWare ESX



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.

< Back   Next >   Cancel

New Virtual Machine Wizard

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

The virtual machine's hard disk is stored as one or more files on the host computer's physical disk. These file(s) start small and become larger as you add applications, files, and data to your virtual machine.

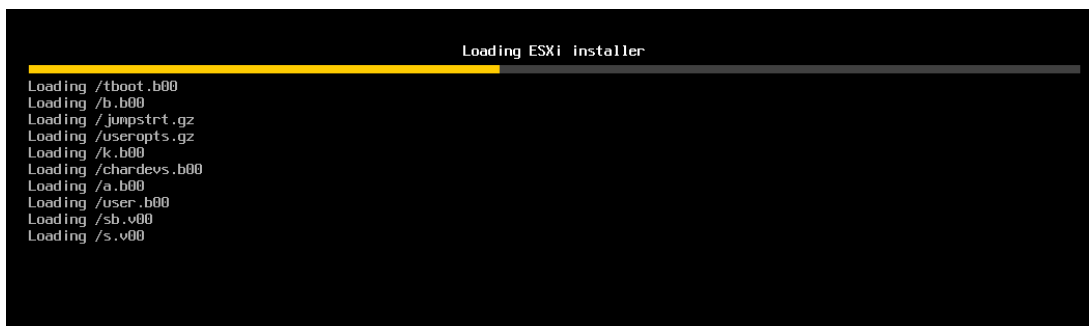
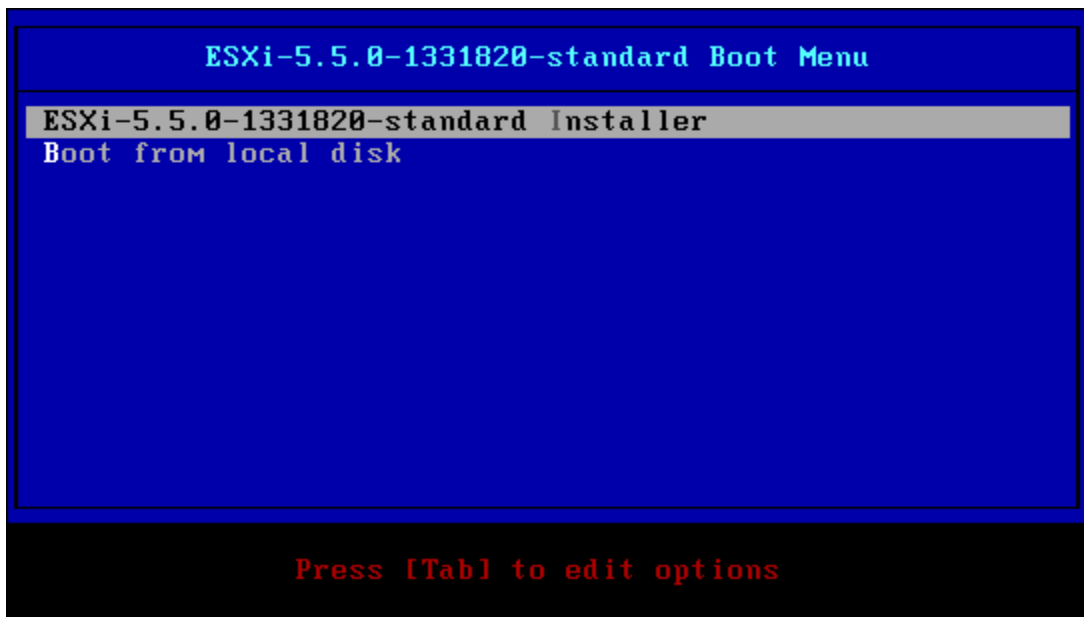
Maximum disk size (GB):

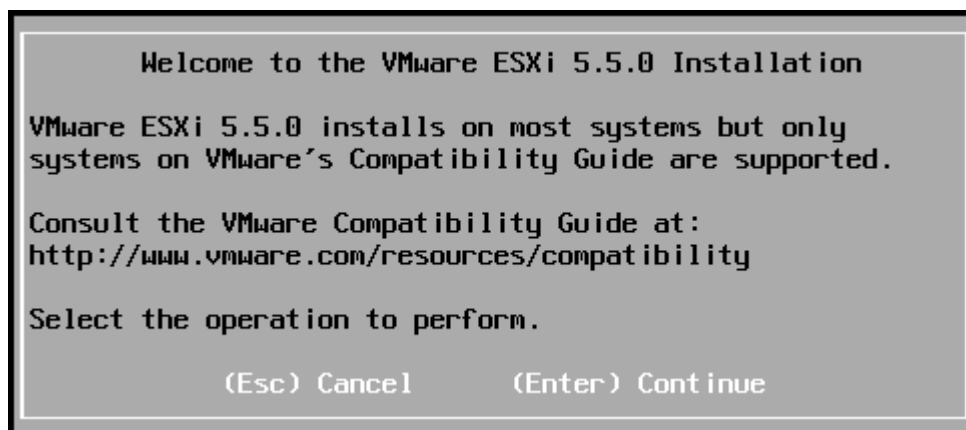
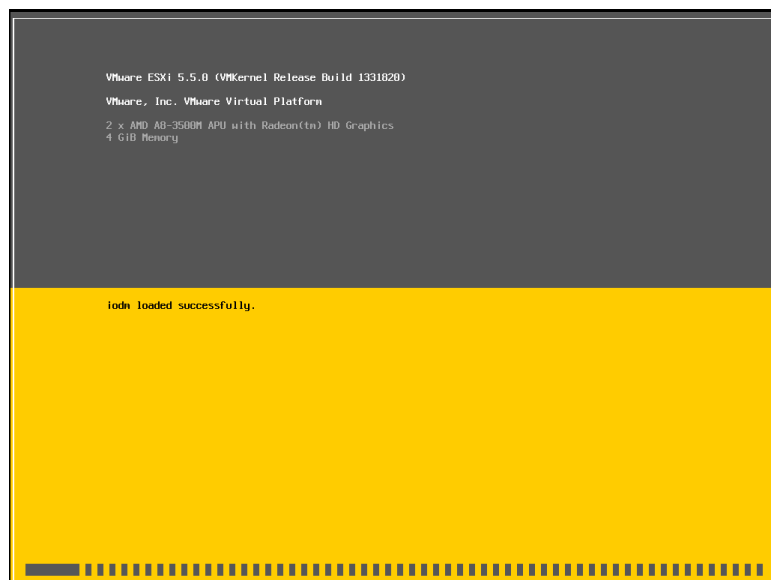
Recommended size for VMware ESXi 5: 40 GB

☒ 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





## End User License Agreement (EULA)

### VMWARE END USER LICENSE AGREEMENT

PLEASE NOTE THAT THE TERMS OF THIS END USER LICENSE AGREEMENT SHALL GOVERN YOUR USE OF THE SOFTWARE, REGARDLESS OF ANY TERMS THAT MAY APPEAR DURING THE INSTALLATION OF THE SOFTWARE.

IMPORTANT-READ CAREFULLY: BY DOWNLOADING, INSTALLING, OR USING THE SOFTWARE, YOU (THE INDIVIDUAL OR LEGAL ENTITY) AGREE TO BE BOUND BY THE TERMS OF THIS END USER LICENSE AGREEMENT ("EULA"). IF YOU DO NOT AGREE TO THE TERMS OF THIS EULA, YOU MUST NOT DOWNLOAD, INSTALL, OR USE THE SOFTWARE, AND YOU MUST DELETE OR RETURN THE UNUSED SOFTWARE TO THE VENDOR FROM WHICH YOU ACQUIRED IT WITHIN THIRTY (30) DAYS AND REQUEST A REFUND OF THE LICENSE FEE, IF ANY, THAT

Use the arrow keys to scroll the EULA text

(ESC) Do not Accept

(F11) Accept and Continue

Please select a keyboard layout

Swiss French  
Swiss German  
Turkish  
**US Default**  
US Dvorak  
Ukrainian  
United Kingdom

Use the arrow keys to scroll.

(Esc) Cancel

(F9) Back

(Enter) Continue

### Confirm Install

The installer is configured to **install** ESXi 5.5.0 on:  
mpx.vmhba1:C0:T0:L0.

Warning: This disk will be repartitioned.

(Esc) Cancel

(F9) Back

(F11) Install

## Installation Complete

ESXi 5.5.0 has been **successfully** installed.

ESXi 5.5.0 will operate in evaluation mode for 60 days. To use ESXi 5.5.0 after the evaluation period, you must register for a VMware product license. To administer your server, use the vSphere Client or the Direct Control User Interface.

**Remove** the installation disc before rebooting.

Reboot the server to start using ESXi 5.5.0.

(Enter) Reboot

VMware ESXi 5.5.0 (VMKernel Release Build 1331820)

VMware, Inc. VMware Virtual Platform

2 x AMD A8-3500M APU with Radeon(tm) HD Graphics  
4 GiB Memory

nptspi loaded successfully.

## Step 2: Installing OS on the Hypervisor

# VMware ESXi

## Welcome

### Getting Started

If you need to access this host remotely, use the following program to install vSphere Client software. After running the installer, start the client and log in to this host.

Please note that the traditional vSphere Client does not support features added to vSphere in the 5.1 and 5.5 releases. The traditional vSphere Client is intended for use if you need to connect directly to an ESXi host, are performing certain vSphere Update Manager operations, or are running vCenter Plug-ins that support only the vSphere Client such as vCenter Site Recovery Manager or vCenter Multi-Hypervisor Manager.

You can take advantage of the fullest range of functionality introduced or updated in this release by using the vSphere Web Client.

- [Download vSphere Client](#)

To streamline your IT operations with vSphere, use the following program to install vCenter. vCenter will help you consolidate and optimize workload distribution across ESX hosts, reduce new system deployment time from weeks to seconds, monitor your virtual computing environment around the clock, avoid service disruptions due to planned hardware maintenance or unexpected failure, centralize access control, and automate system administration tasks.

- [Download VMware vCenter](#)

If you need more help, please refer to our documentation library:

### For Administrators

#### vSphere Remote Command Line

The Remote Command Line allows you to use command line tools to manage vSphere from a client machine. These tools can be used in shell scripts to automate day-to-day operations.

- [Download the Virtual Appliance](#)
- [Download the Windows Installer \(exe\)](#)
- [Download the Linux Installer \(tar.gz\)](#)

#### Web-Based Datastore Browser

Use your web browser to find and download files (for example, virtual machine and virtual disk files).

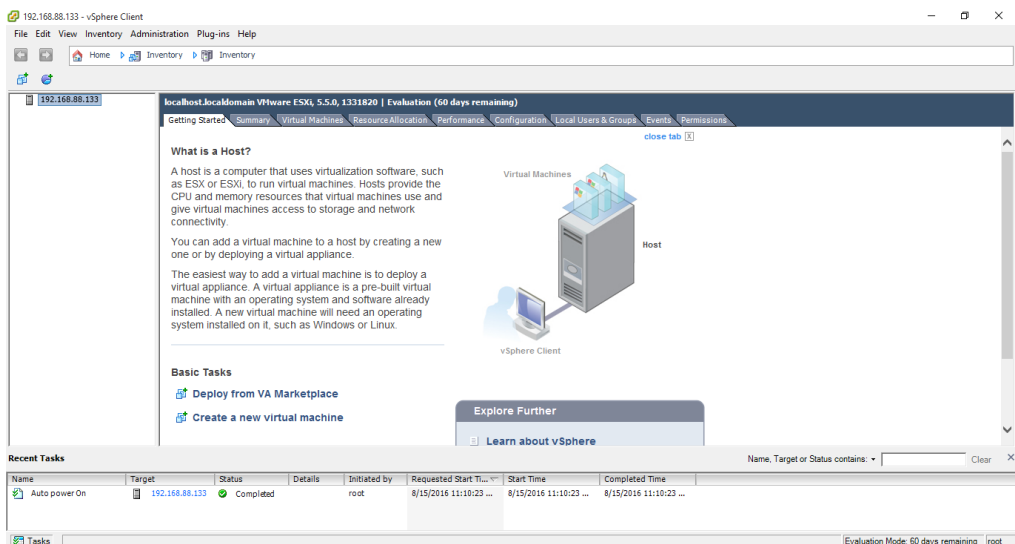
- [Browse datastores in this host's inventory](#)

### For Developers

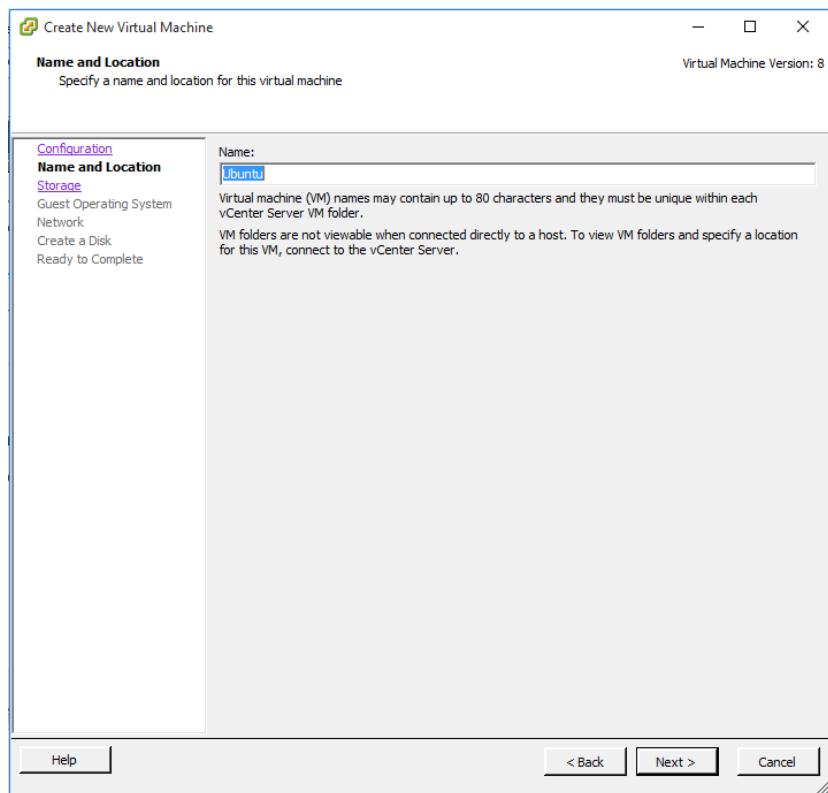
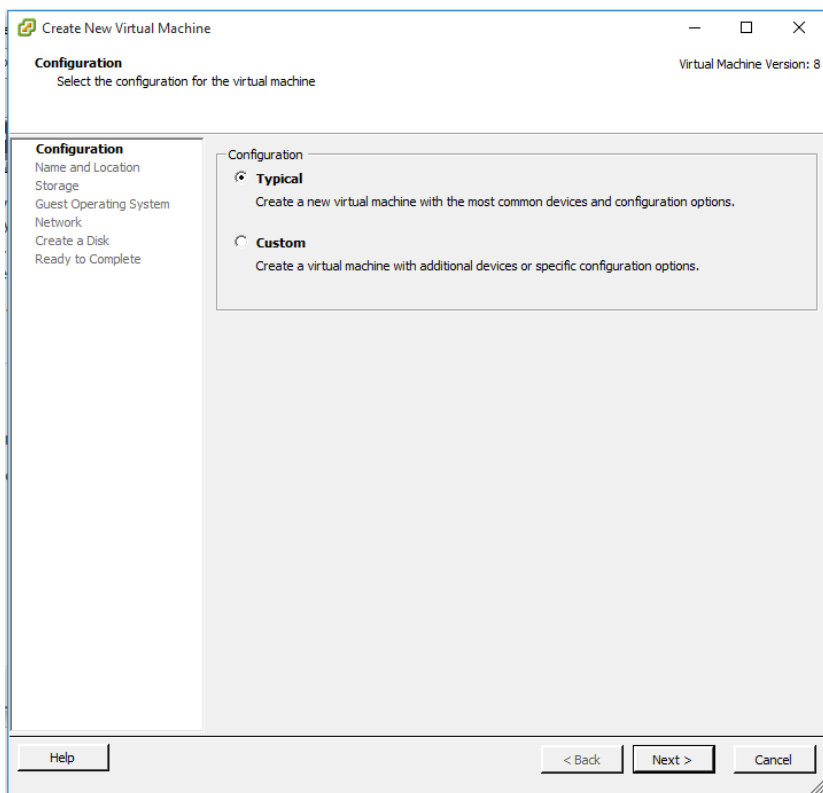
#### vSphere Web Services SDK

Learn about our latest SDKs, Toolkits, and APIs for managing VMware ESX, ESXi, and VMware vCenter. Get sample code, reference documentation, participate in our Forum Discussions, and view our latest Sessions and Webinars.

- [Learn more about the Web Services SDK](#)
- [Browse objects managed by this host](#)







Create New Virtual Machine

Virtual Machine Version: 8

### Storage

Select a destination storage for the virtual machine files

Configuration  
Name and Location  
**Storage**  
Guest Operating System  
Network  
Create a Disk  
Ready to Complete

Select a destination storage for the virtual machine files:

Name	Drive Type	Capacity	Provisioned	Free	Type	Thin Pro
datastore1	Non-SSD	32.50 GB	972.00 MB	31.55 GB	VMFSS	Supporte

< >

☐ Disable Storage DRS for this virtual machine

Select a datastore:

Name	Drive Type	Capacity	Provisioned	Free	Type	Thin Pro
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< >

Help < Back Next > Cancel

Create New Virtual Machine

Virtual Machine Version: 8

### Guest Operating System

Specify the guest operating system to use with this virtual machine

Configuration  
Name and Location  
Storage  
**Guest Operating System**  
Network  
Create a Disk  
Ready to Complete

Guest Operating System:

☐ Windows  
☒ Linux  
☐ Other

Version:  
 Ubuntu Linux (64-bit)

Identifying the guest operating system here allows the wizard to provide the appropriate defaults for the operating system installation.

Help < Back Next > Cancel

Create New Virtual Machine

Virtual Machine Version: 8

**Network**  
Which network connections will be used by the virtual machine?

Configuration  
Name and Location  
Storage  
Guest Operating System  
**Network**  
Create a Disk  
Ready to Complete

Create Network Connections

How many NICs do you want to connect? 2

	Network	Adapter	Connect at Power On
NIC 1:	VM Network	VMXNET 3	<input checked="" type="checkbox"/>
NIC 2:	VM Network	VMXNET 3	<input checked="" type="checkbox"/>

If supported by this virtual machine version, more than 4 NICs can be added after the virtual machine is created, via its Edit Settings dialog.

Adapter choice can affect both networking performance and migration compatibility. Consult the [VMware KnowledgeBase](#) for more information on choosing among the network adapters supported for various guest operating systems and hosts.

Help < Back Next > Cancel

Create New Virtual Machine

Virtual Machine Version: 8

**Create a Disk**  
Specify the virtual disk size and provisioning policy

Configuration  
Name and Location  
Storage  
Guest Operating System  
Network  
**Create a Disk**  
Ready to Complete

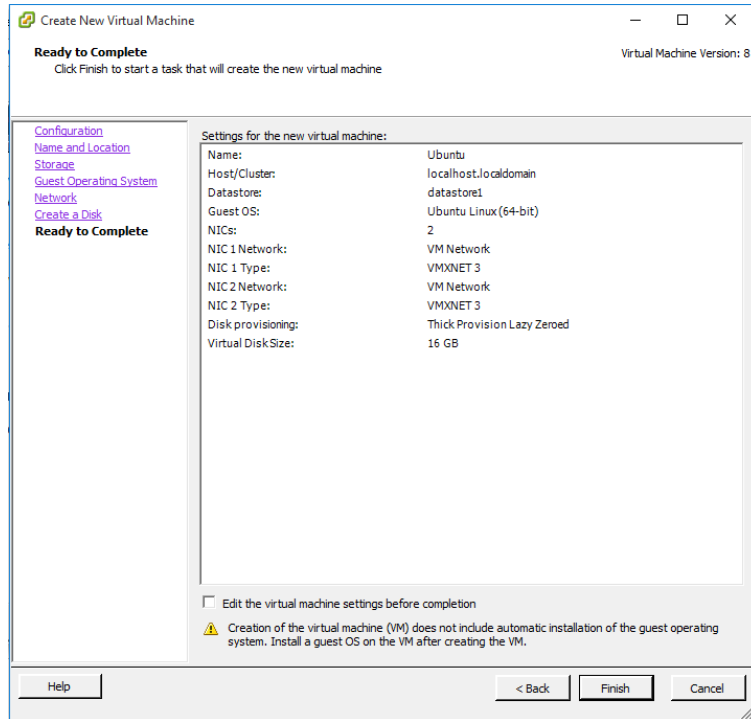
Datstore: datastore1

Available space (GB): 31.6

Virtual disk size: 16 GB

☒ Thick Provision Lazy Zeroed  
☐ Thick Provision Eager Zeroed  
☐ Thin Provision

Help < Back Next > Cancel



Done!