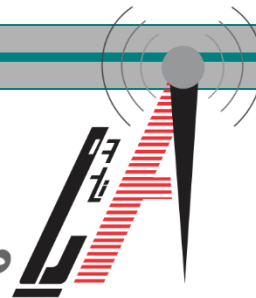


# آریا تدبیر

طراحان شبکة



## دپارتمان آموزش

### آموزش لینوکس

# Linux Installation

Mohammad Reza Gerami

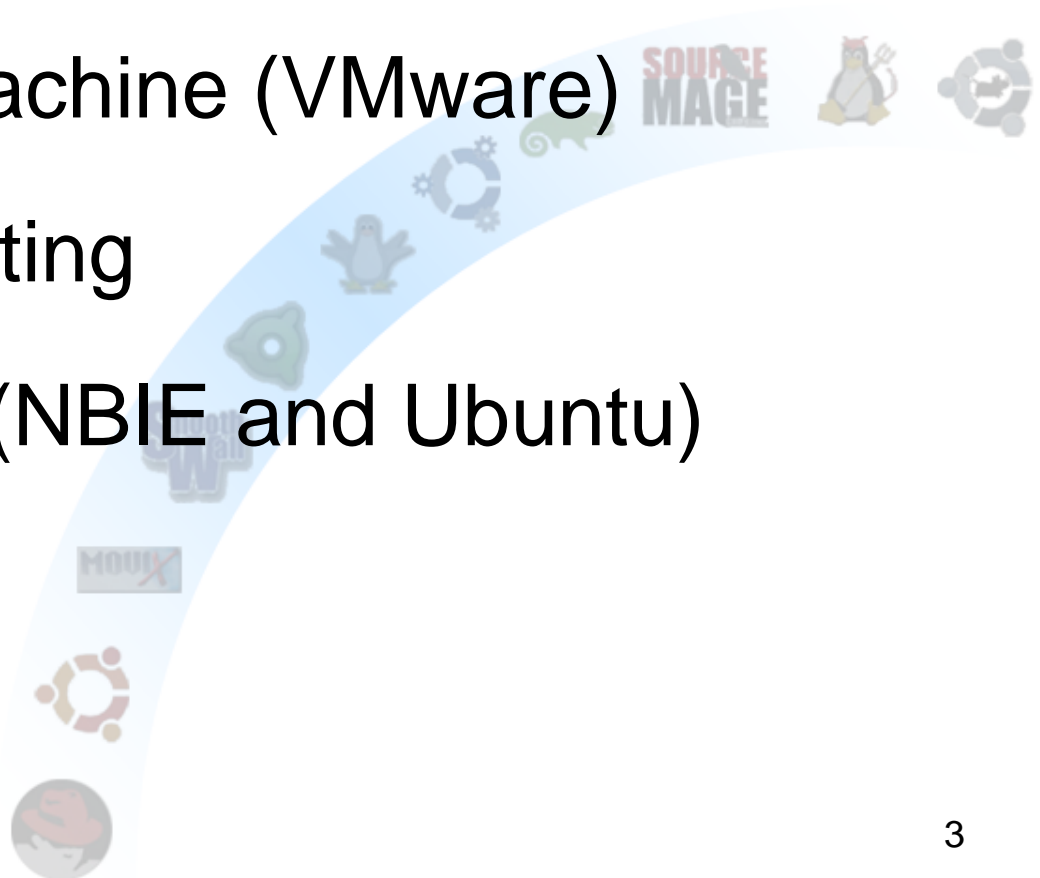
[mrgerami@aut.ac.ir](mailto:mrgerami@aut.ac.ir)

[gerami@aryatadbir.com](mailto:gerami@aryatadbir.com)



# What We Will Learn

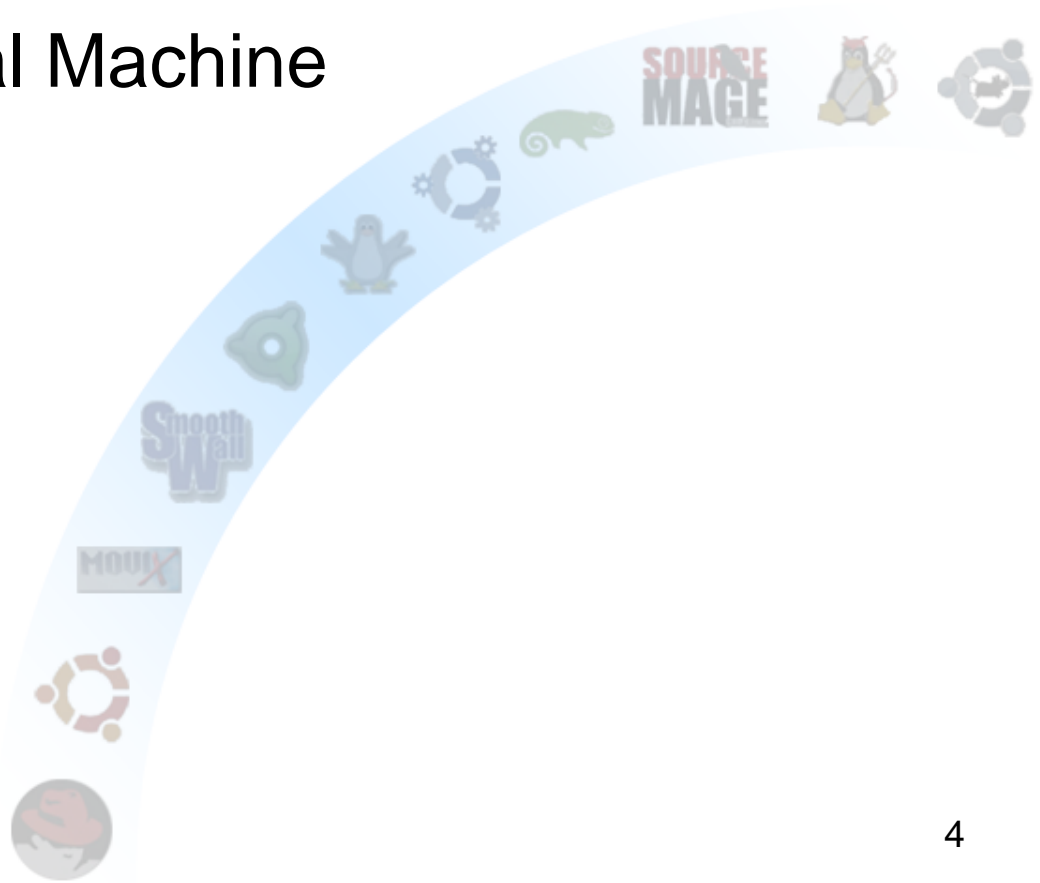
- ☐ Vmware Software Installation
- ☐ Create Virtual Machine (VMware)
- ☐ System Boot Setting
- ☐ Install Linux OS (NBIE and Ubuntu)





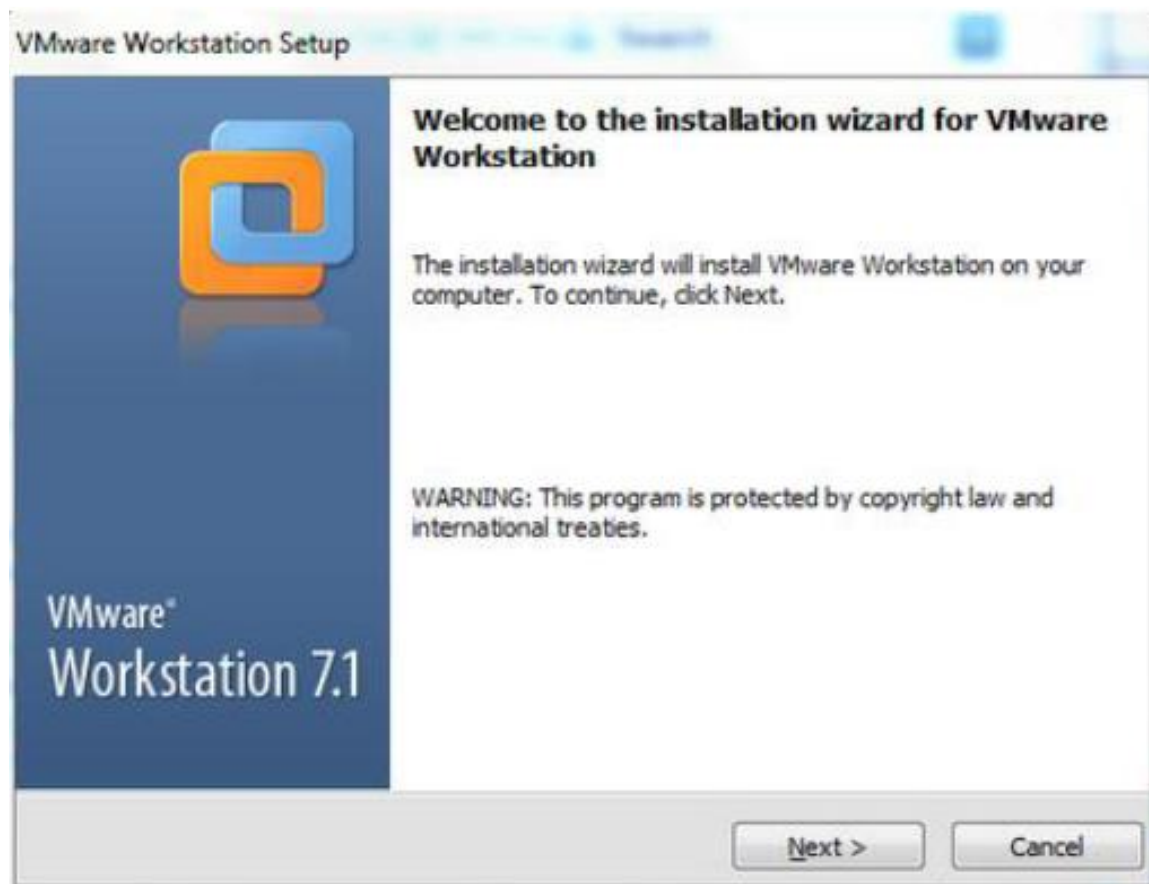
# VMware Workstation

- ☐ Install VMware workstation
- ☐ Create new Virtual Machine





# VMware Workstation

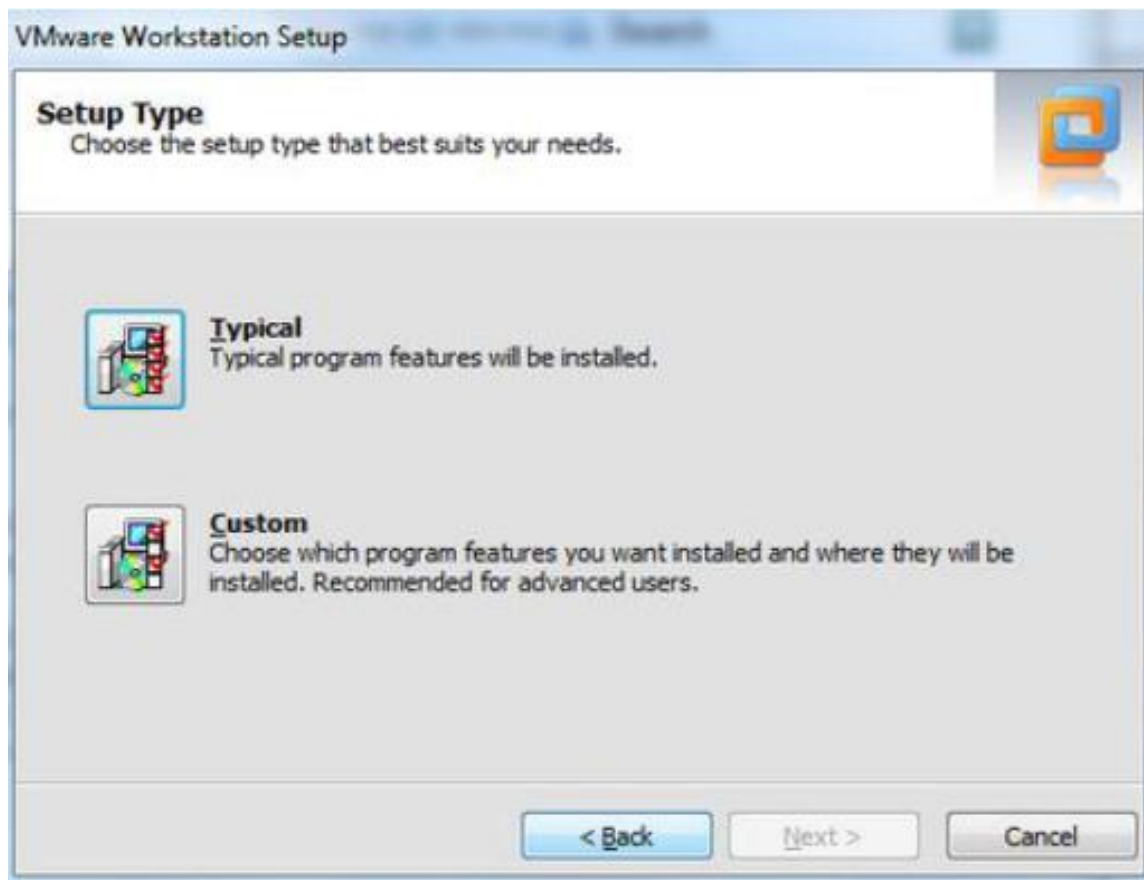


SOURCE  
MAGE





# VMware Workstation

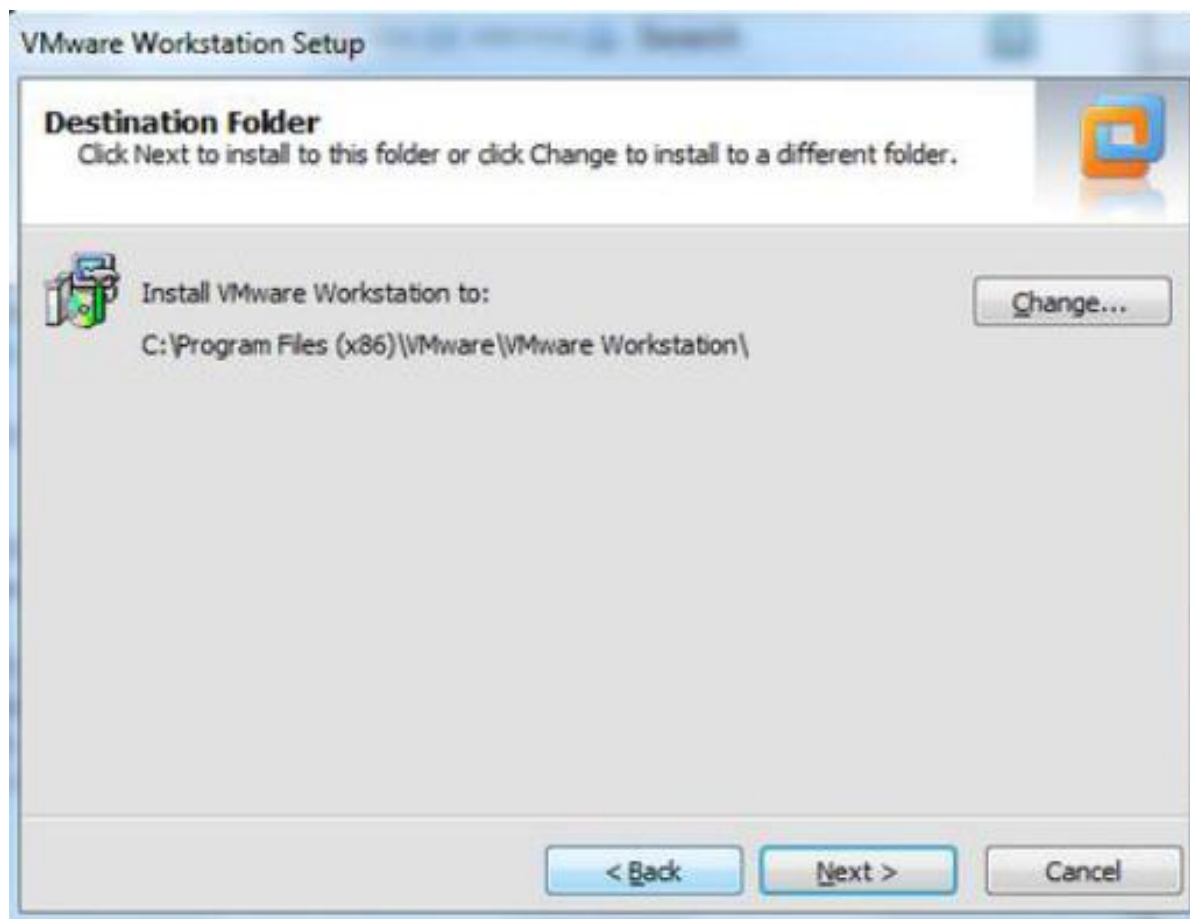


COURSE  
IMAGE



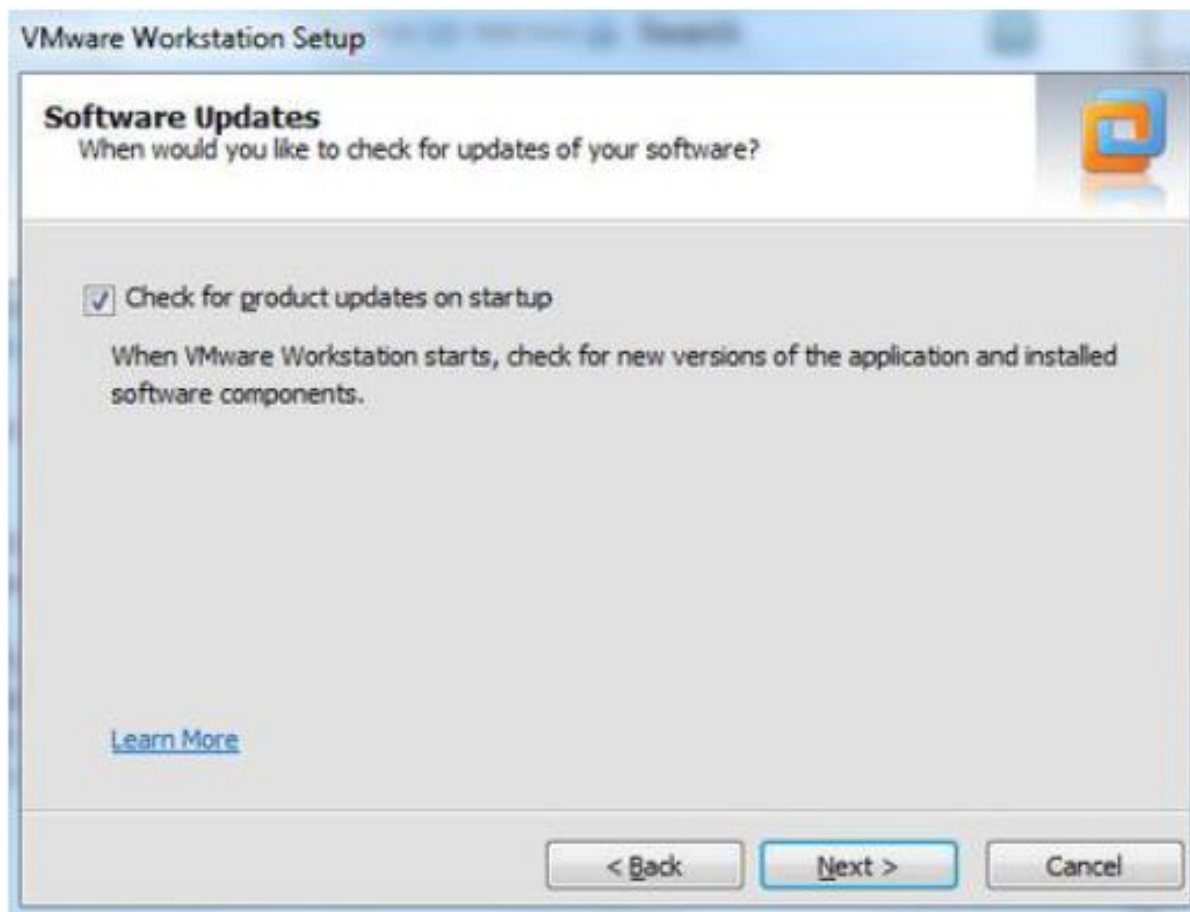


# VMware Workstation





# VMware Workstation





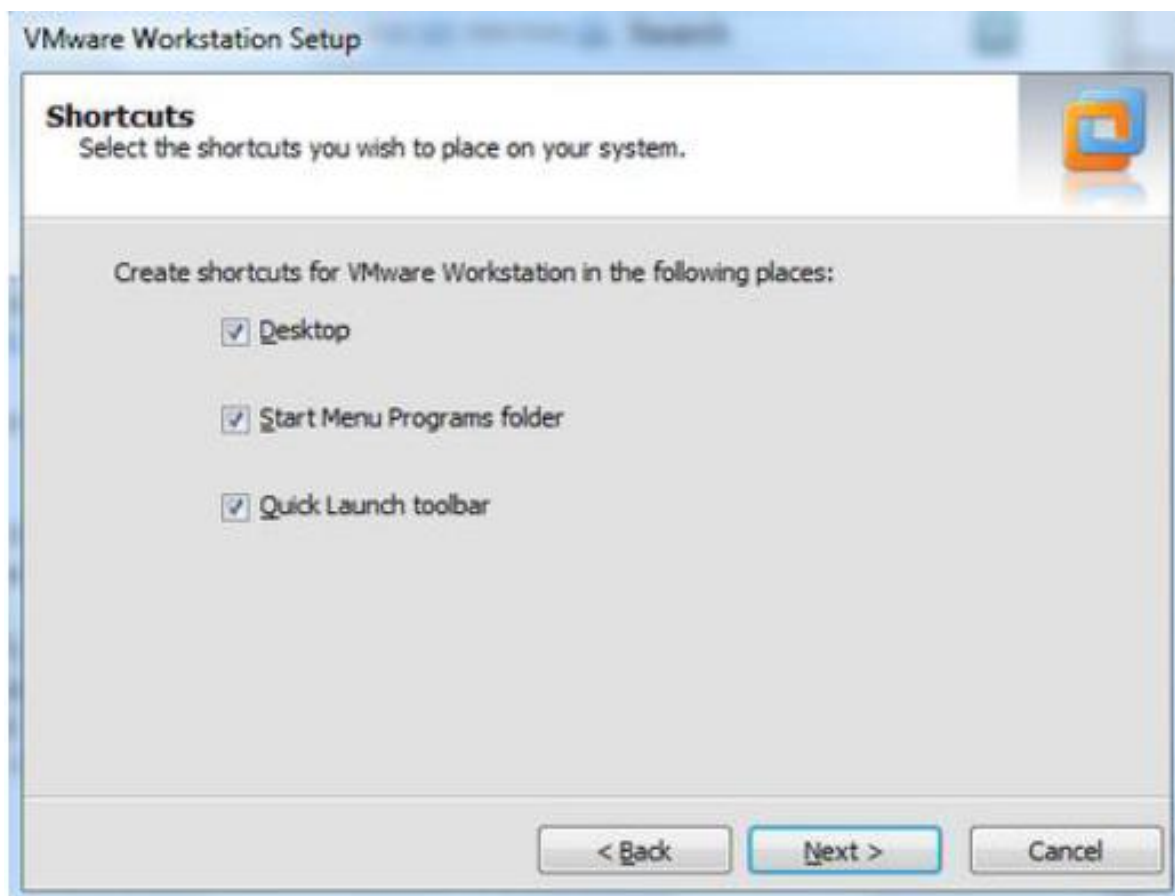


# VMware Workstation



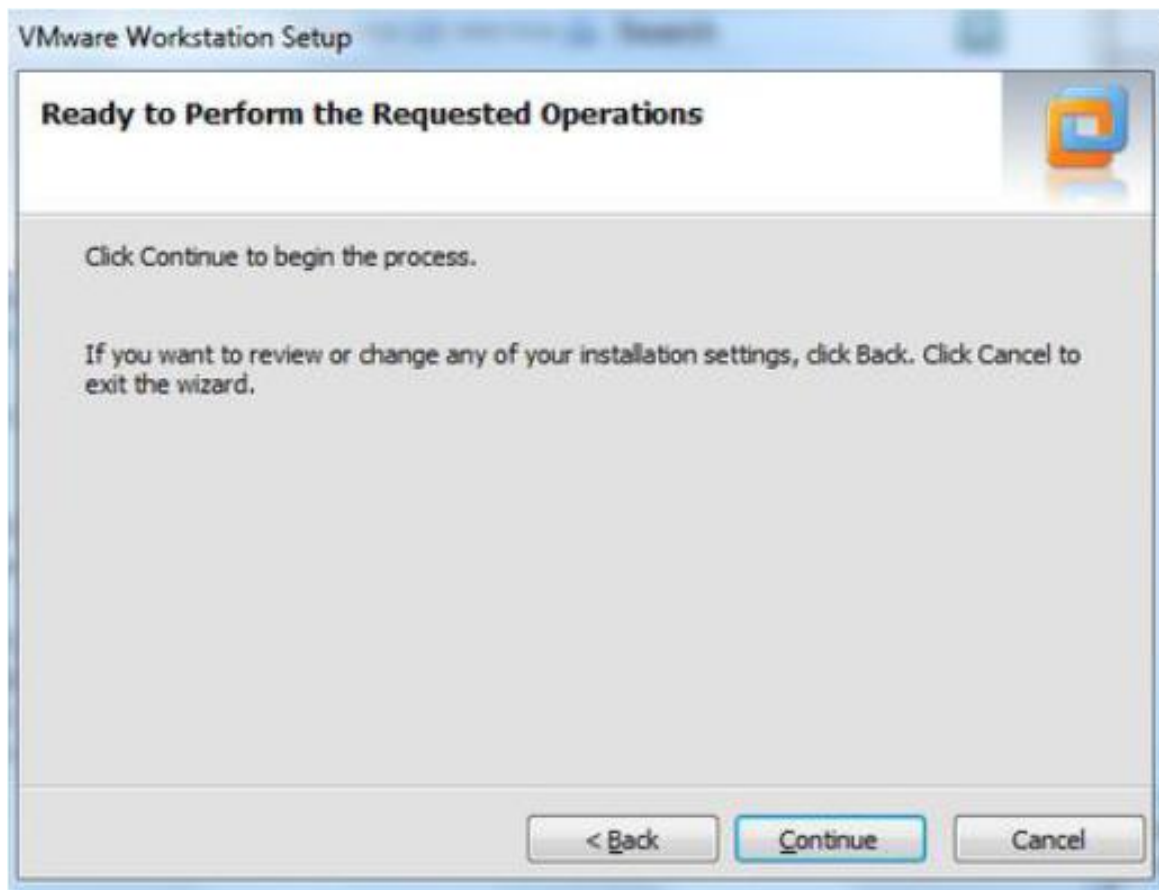


# VMware Workstation





# VMware Workstation

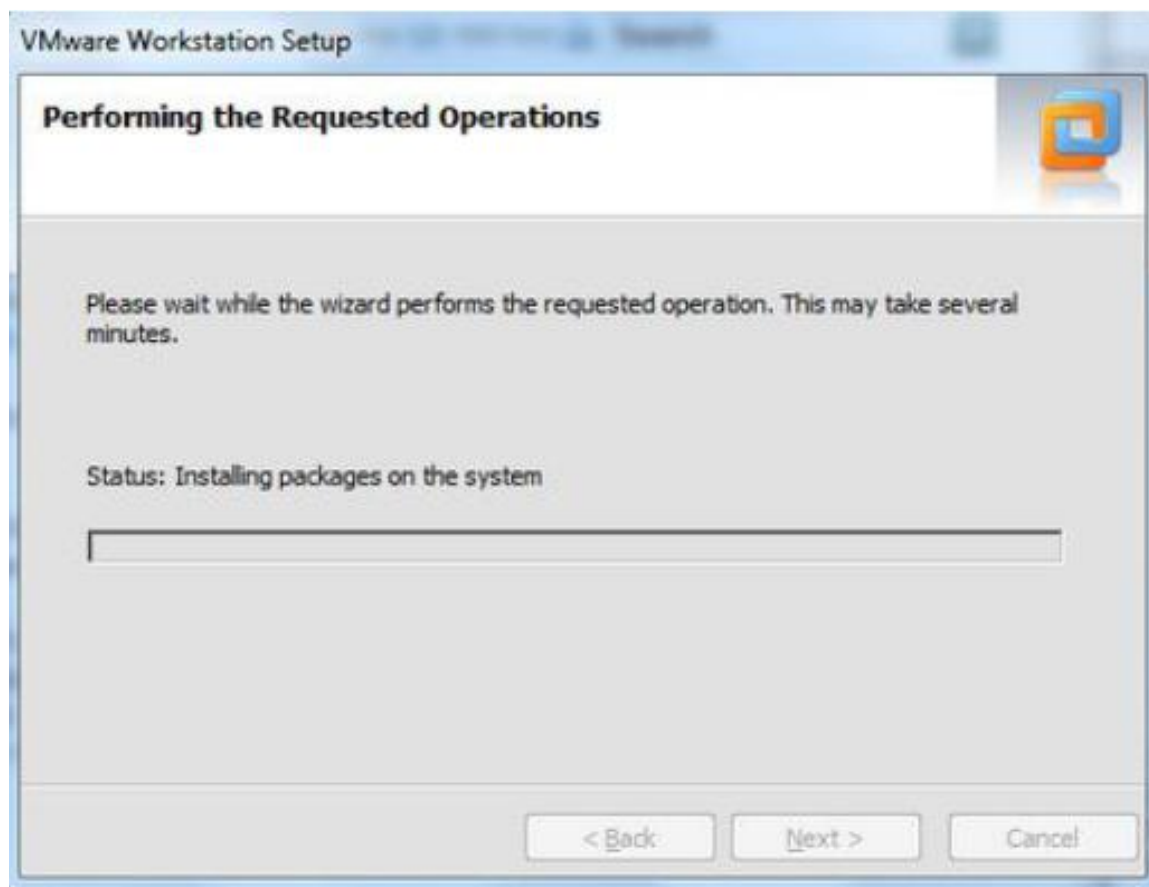


SOURCE  
MAGE





# VMware Workstation

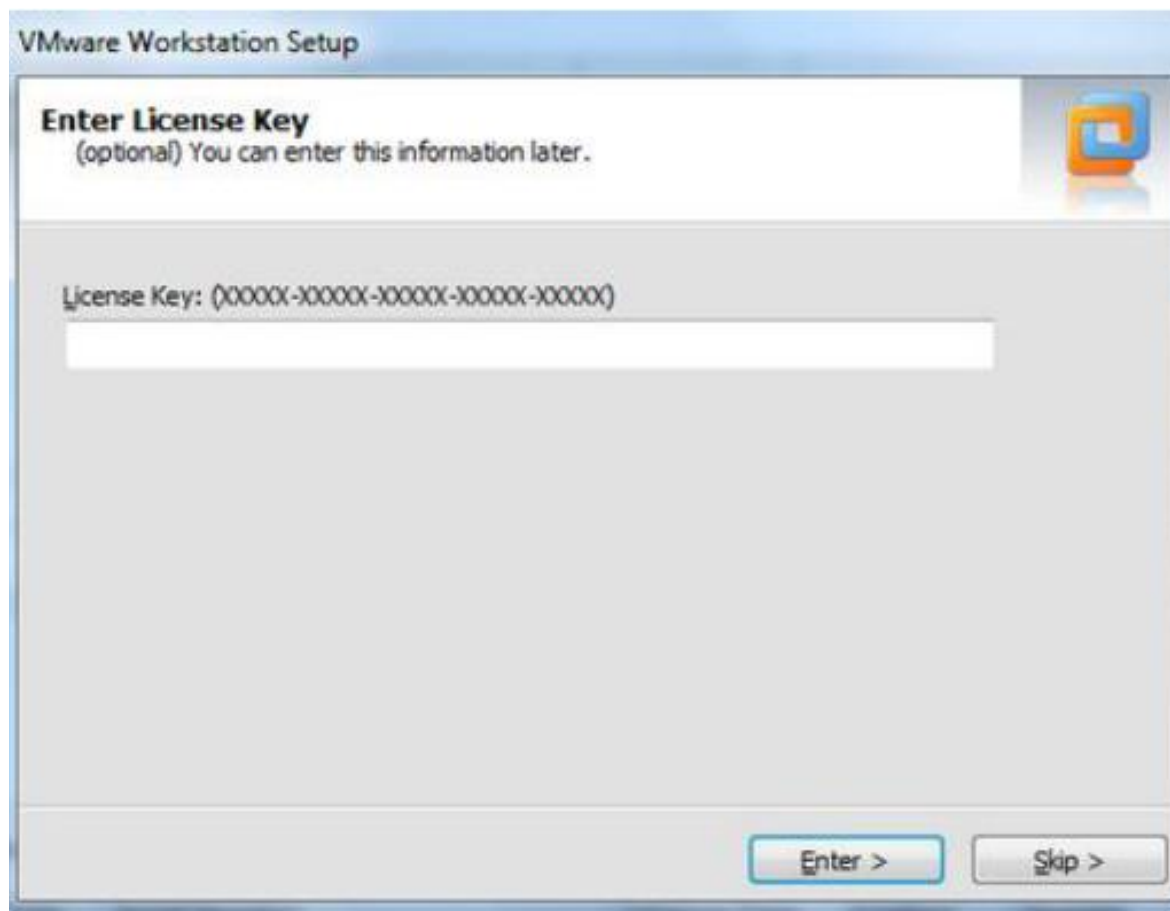


SOURCE  
MAGE





# VMware Workstation



IMAGE





# VMware Workstation

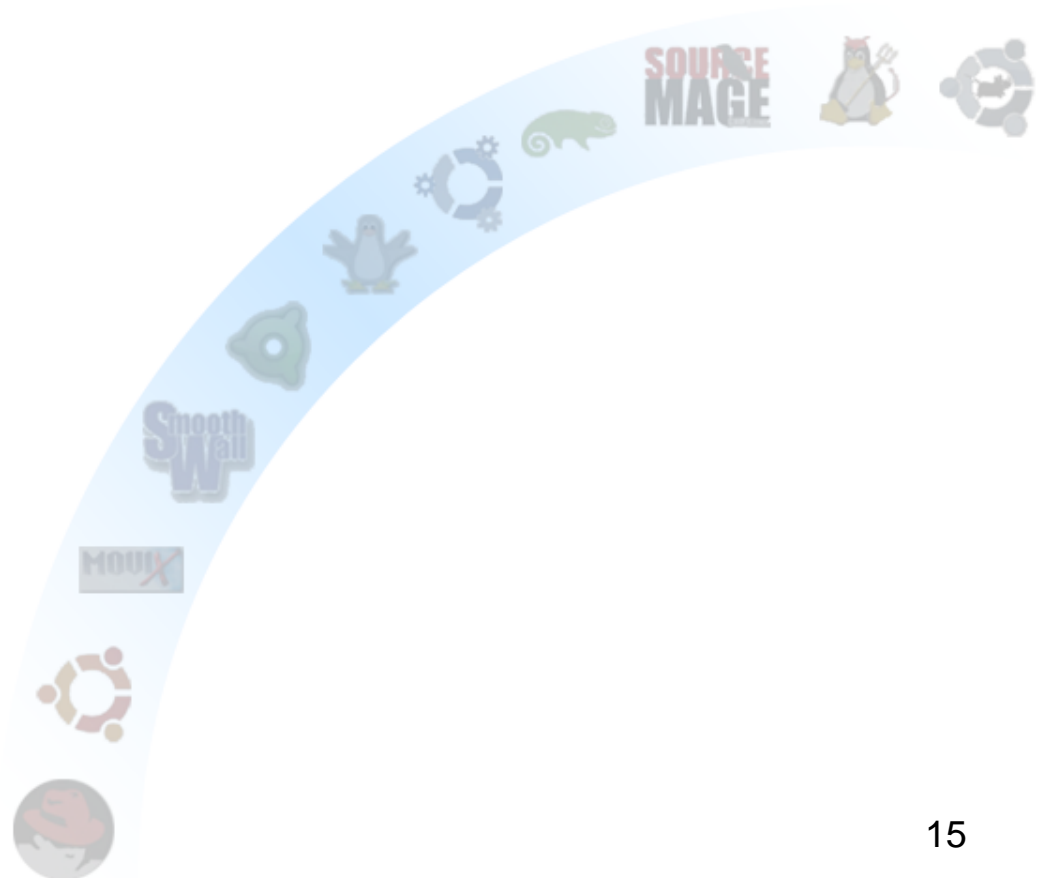


IMAGE





# VMware Workstation





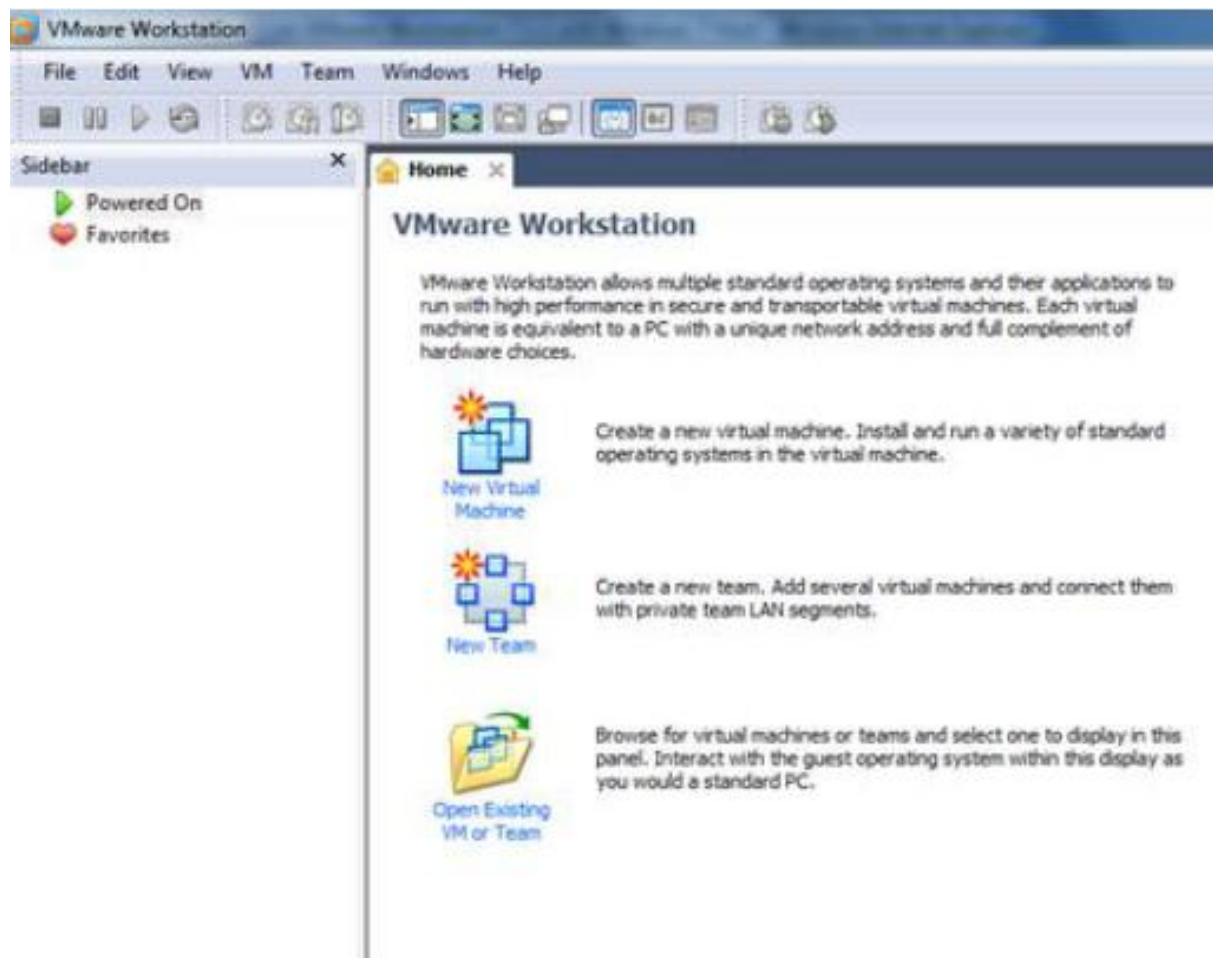
# VMware Workstation







# VMware Workstation





# VMware Workstation





# VMware Workstation

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 8.0

Compatible with: ☒ ESX Server

Compatible products:

- ESX 5.0
- Fusion 4.0
- Workstation 8.0

Limitations:

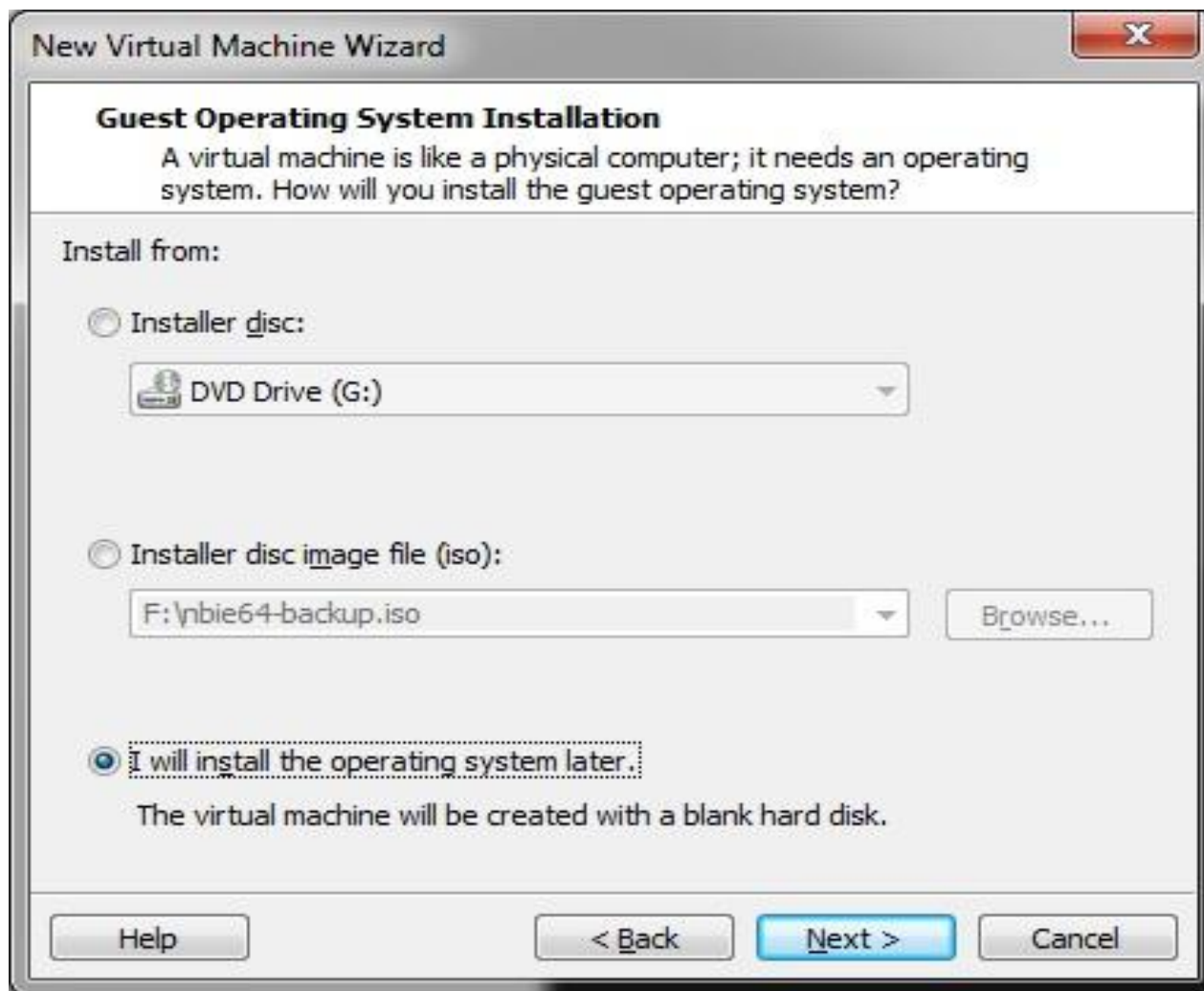
- 64 GB memory limit
- 8 processor limit
- 10 network adapter limit
- 2 TB disk size limit

Help < Back Next > Cancel



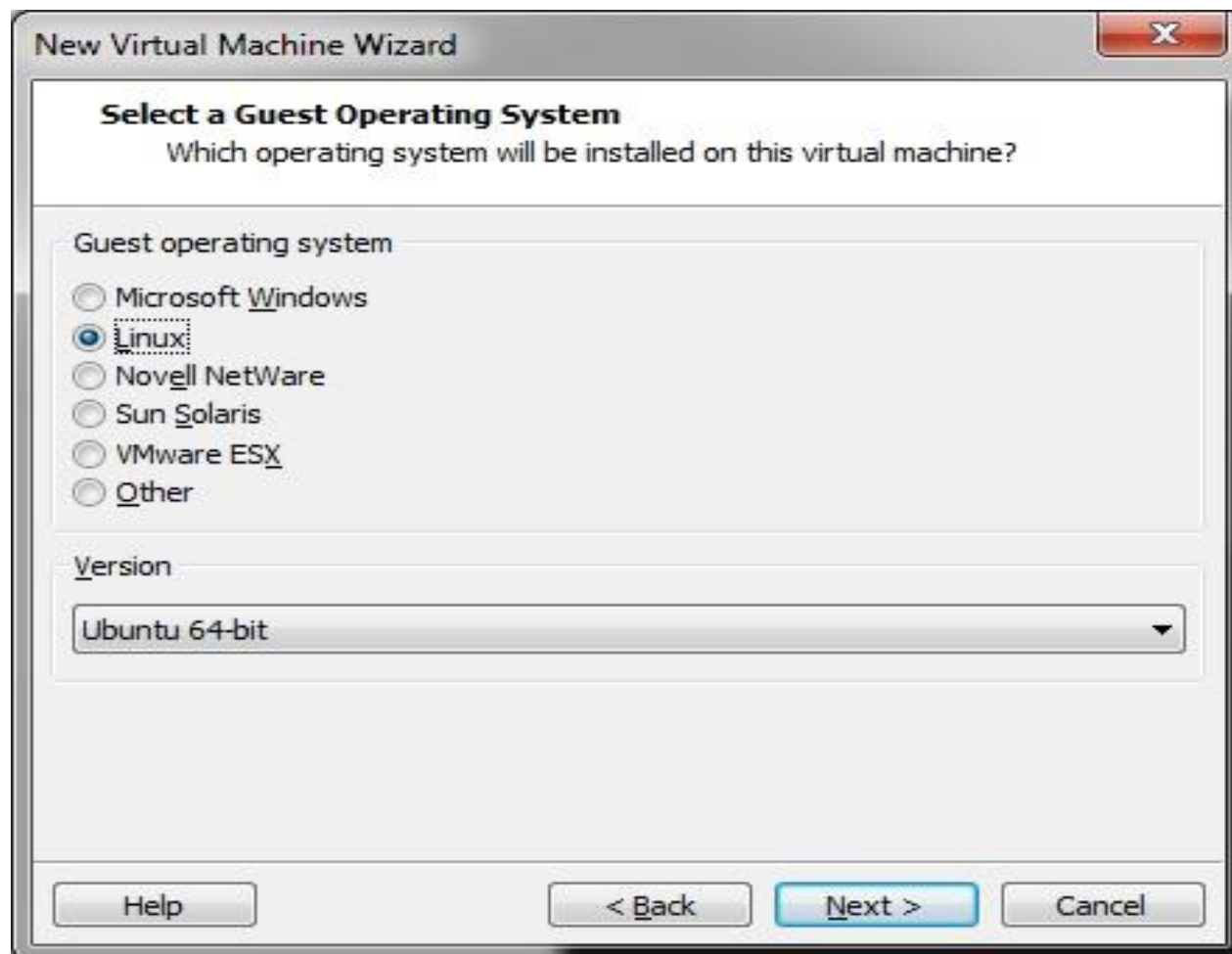


# VMware Workstation





# VMware Workstation





# VMware Workstation

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





# VMware Workstation

New Virtual Machine Wizard

**Processor Configuration**  
Specify the number of processors for this virtual machine.

Processors

Number of processors: 1

Number of cores per processor: 1

Total processor cores: 1  
2  
3  
4

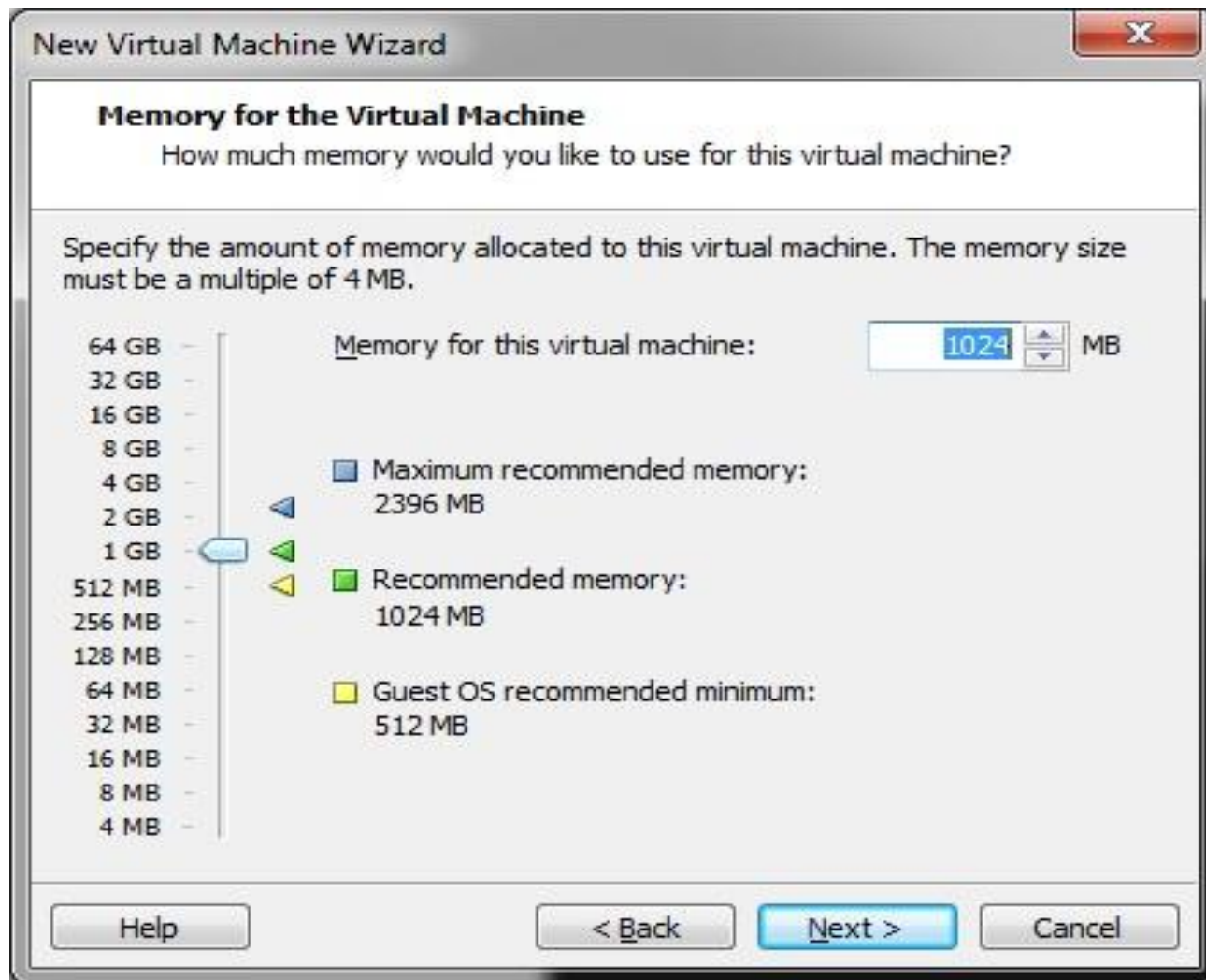
Help < Back Next > Cancel







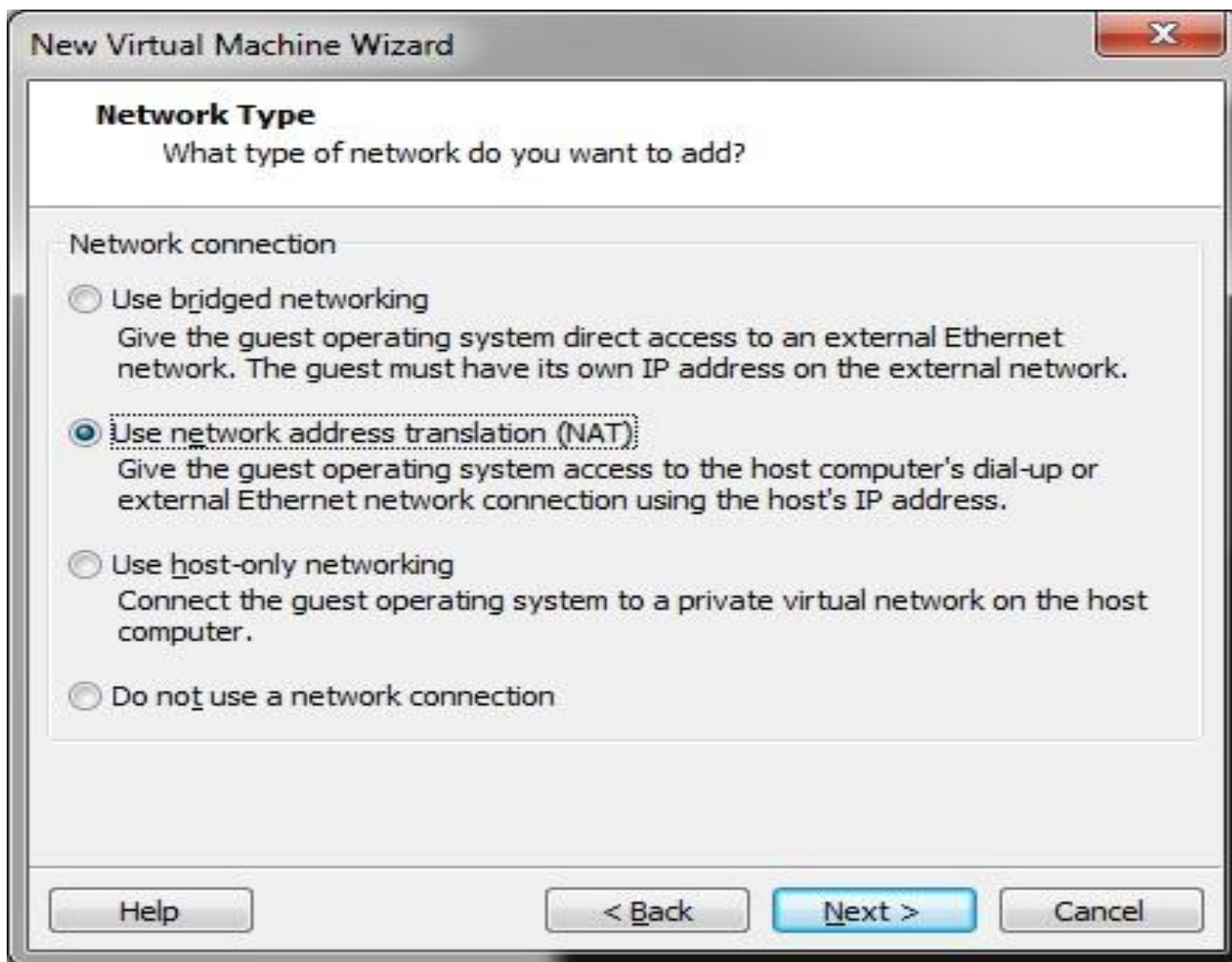
# VMware Workstation





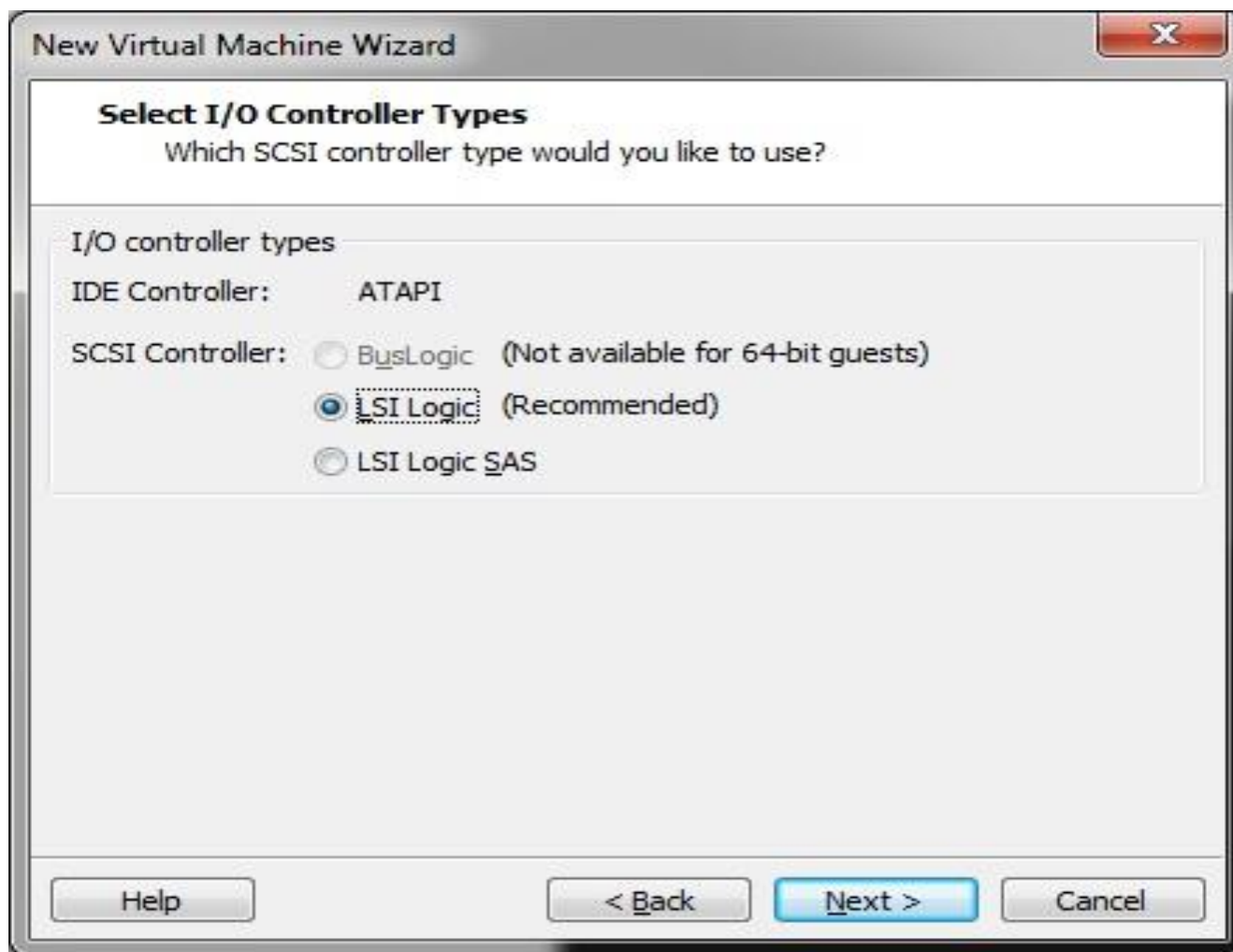


# VMware Workstation



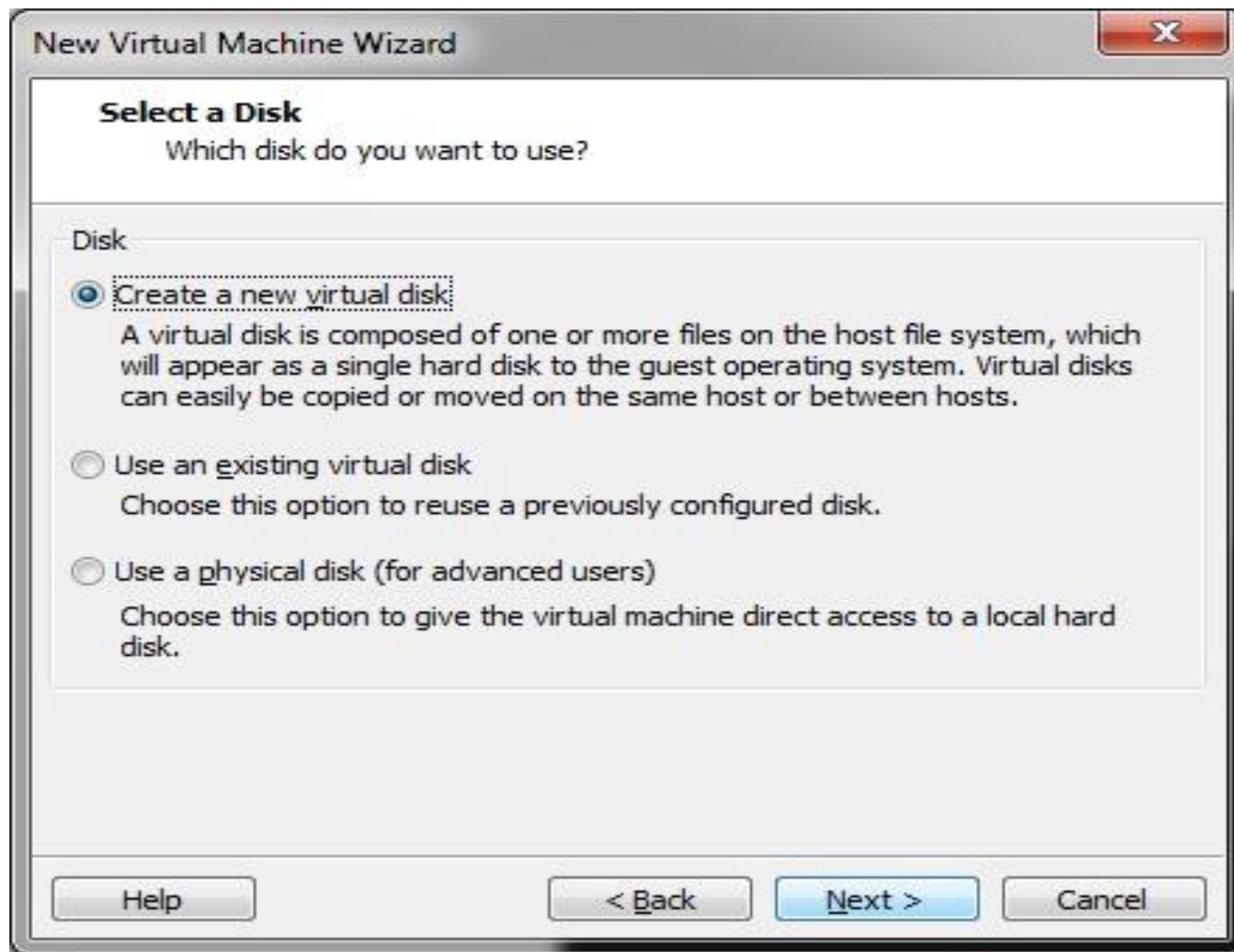


# VMware Workstation



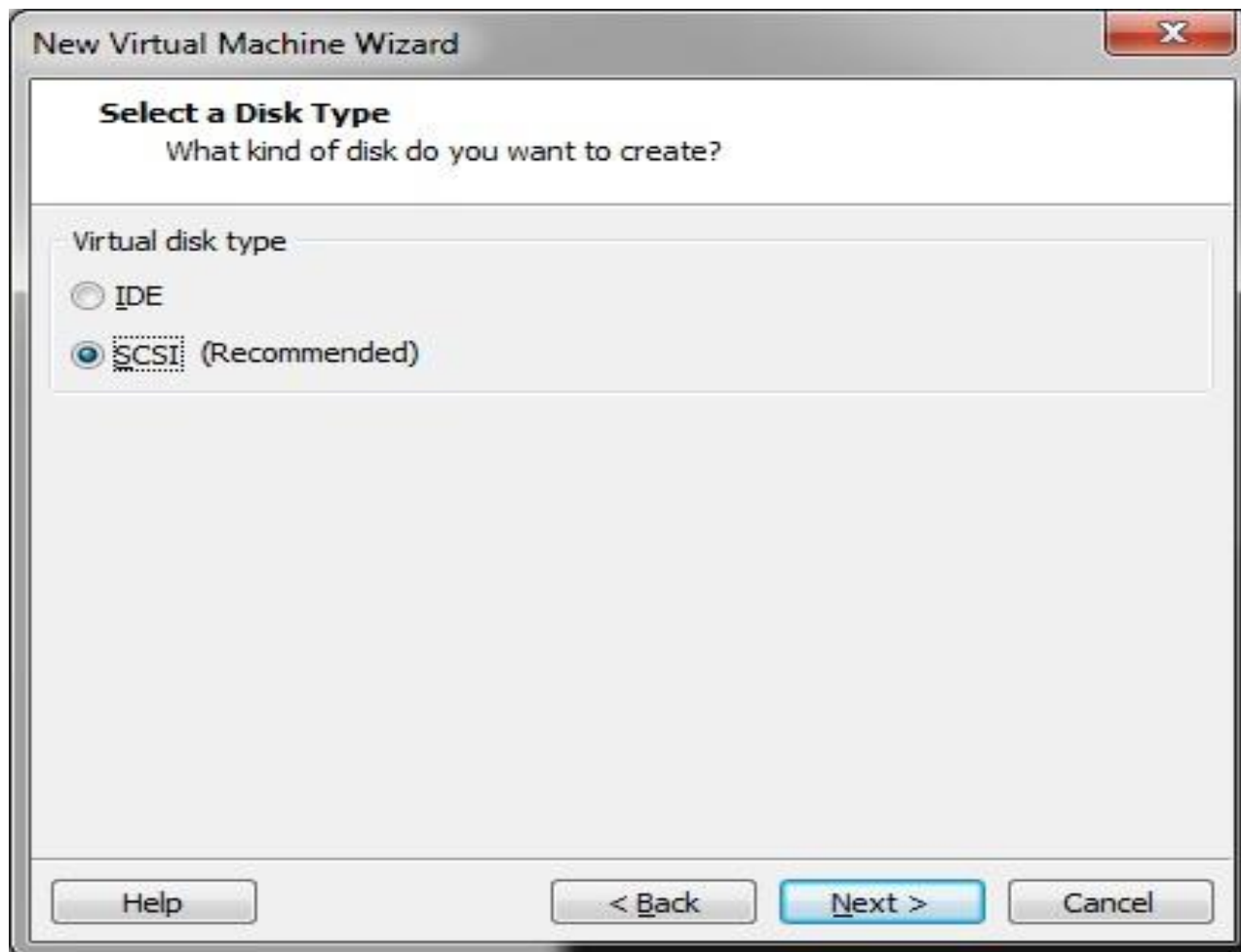


# VMware Workstation





# VMware Workstation





# VMware Workstation

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





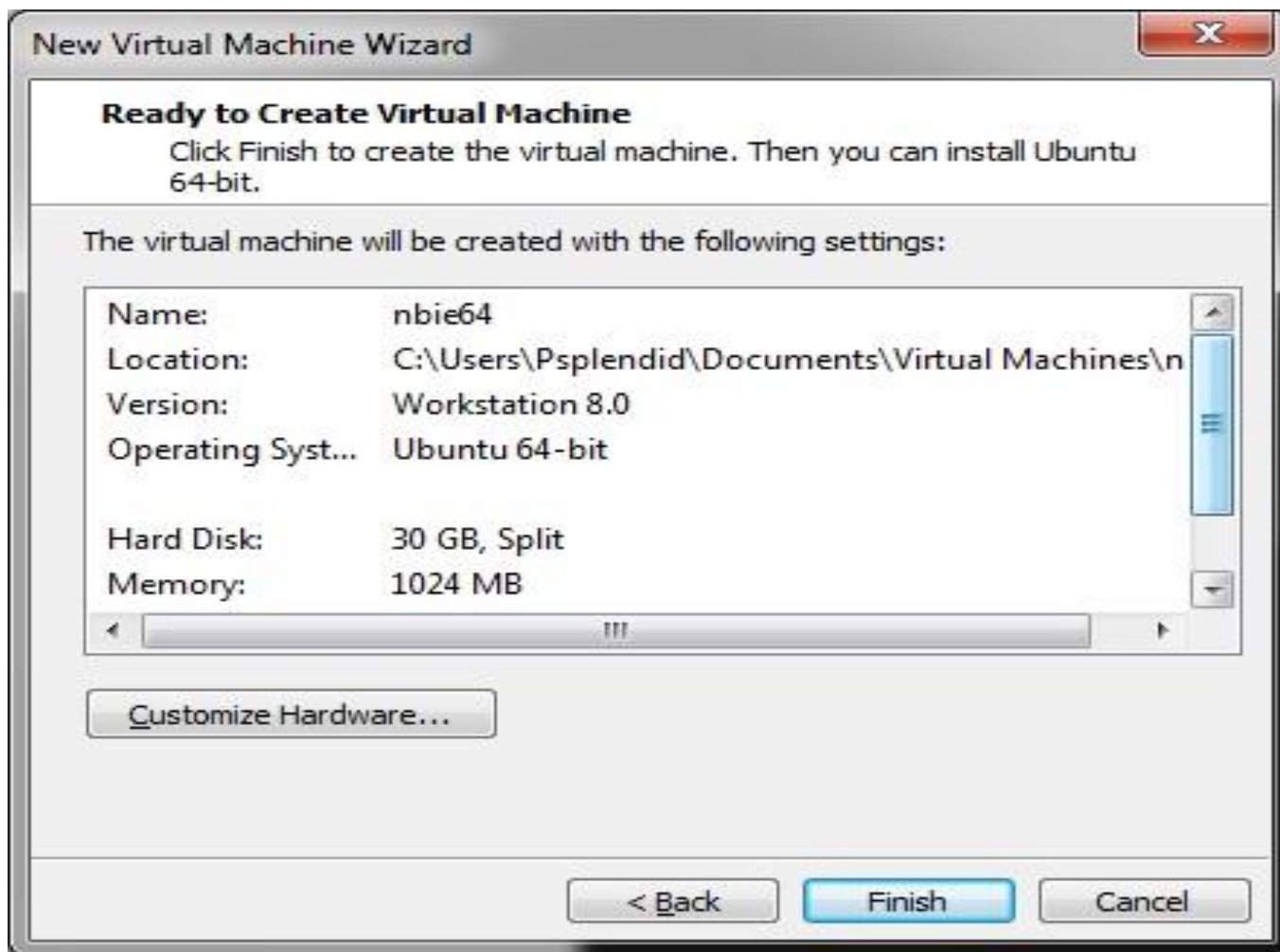
# VMware Workstation





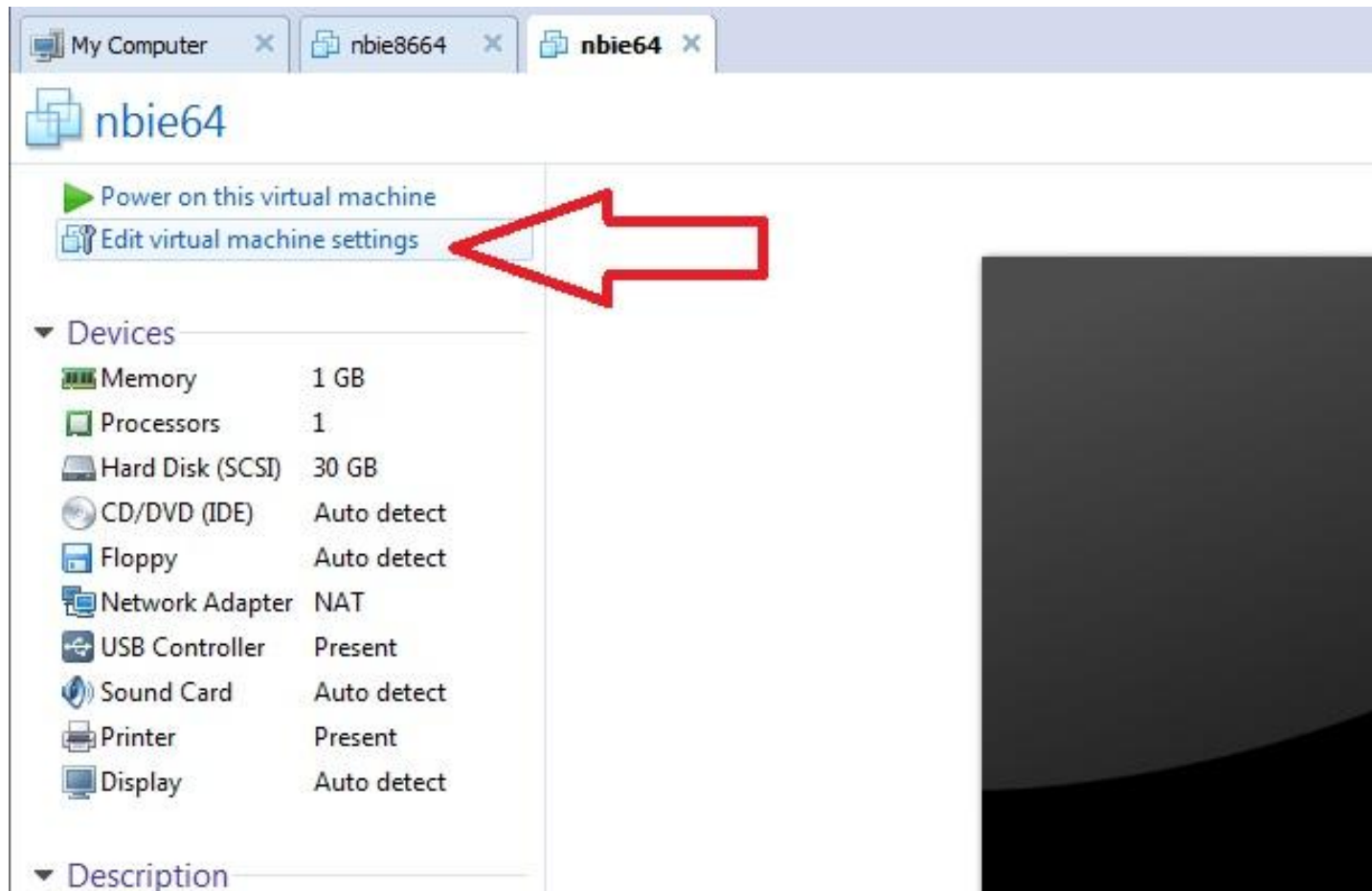


# VMware Workstation





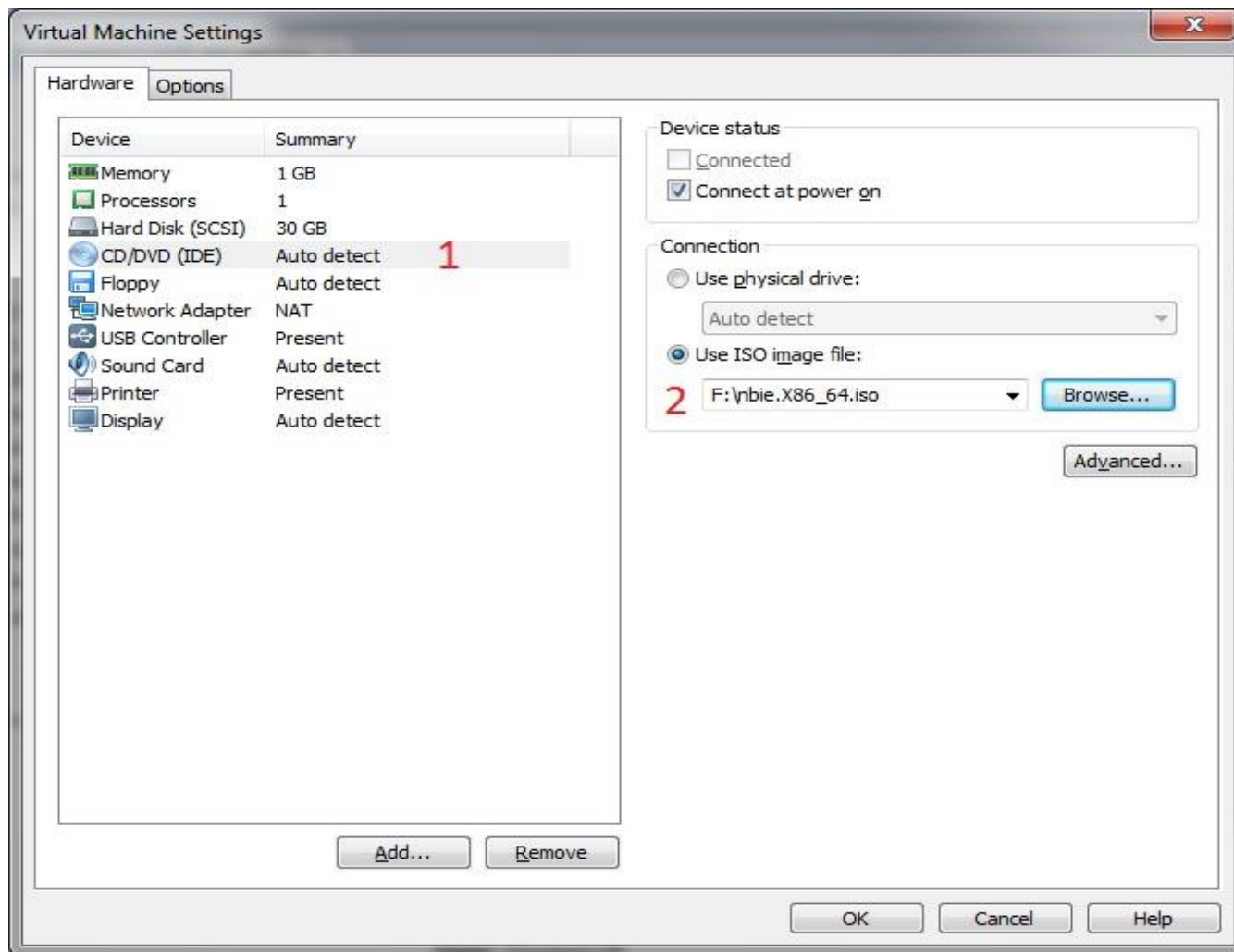
# VMware Workstation







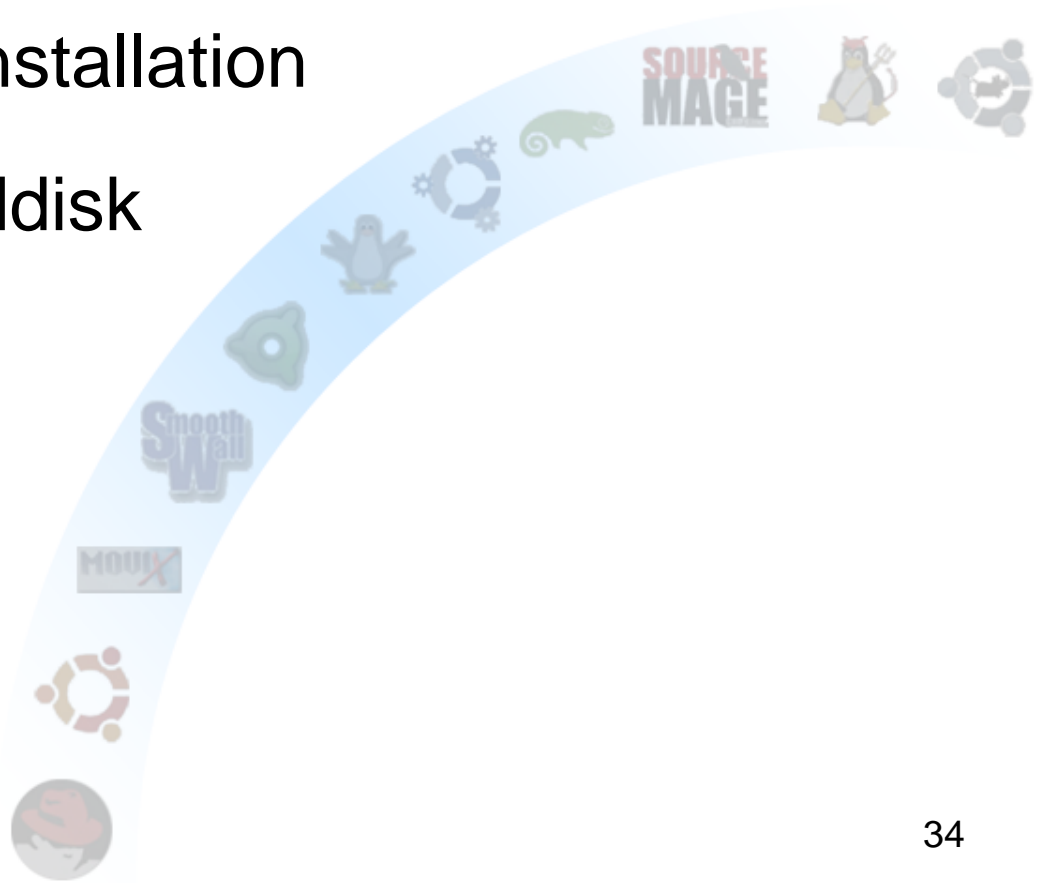
# VMware Workstation





# OS Installation

- ☐ Install NBIE OS or Ubuntu
- ☐ Live OS without installation
- ☐ Install OS on harddisk



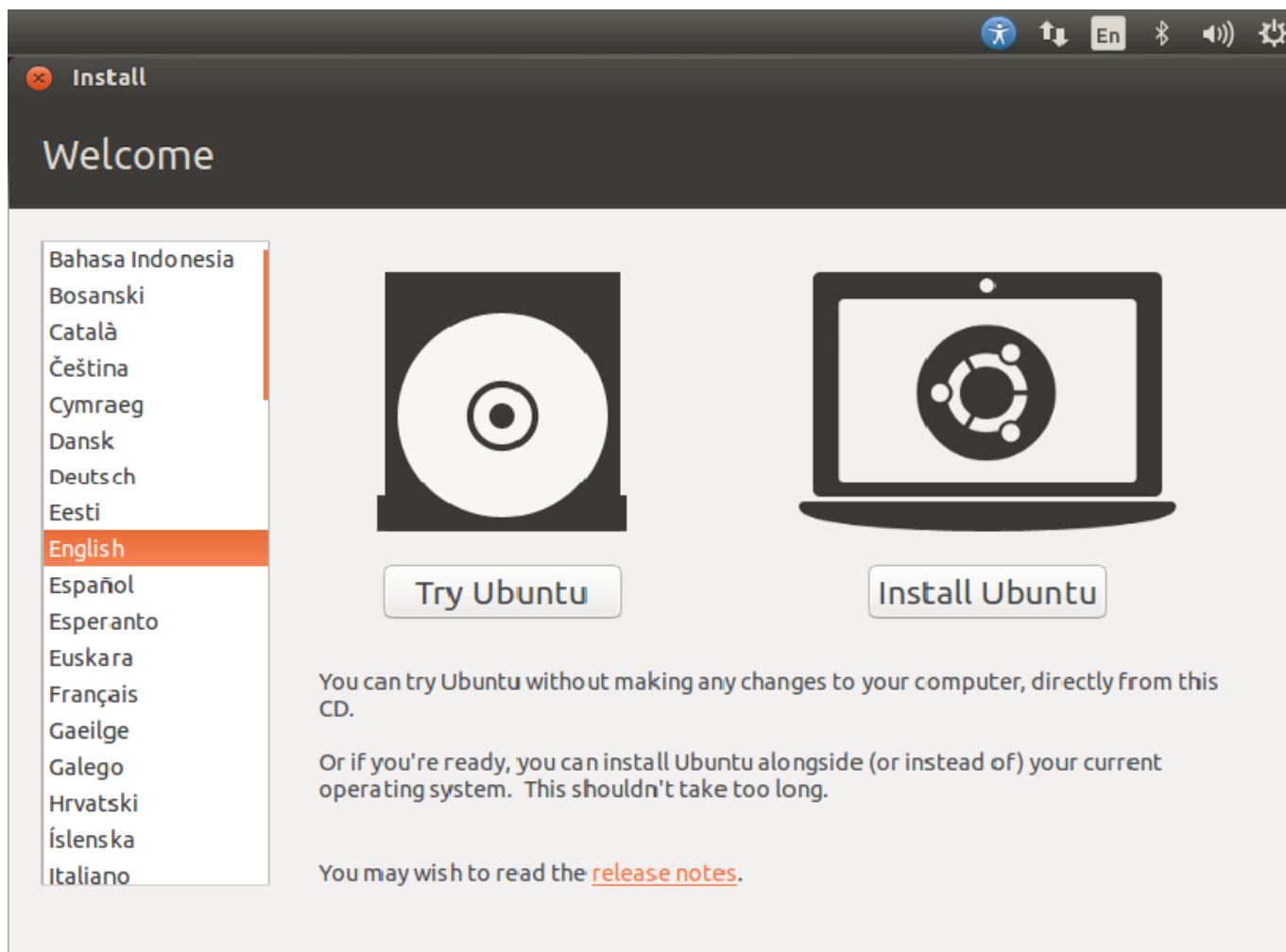


# OS Installation



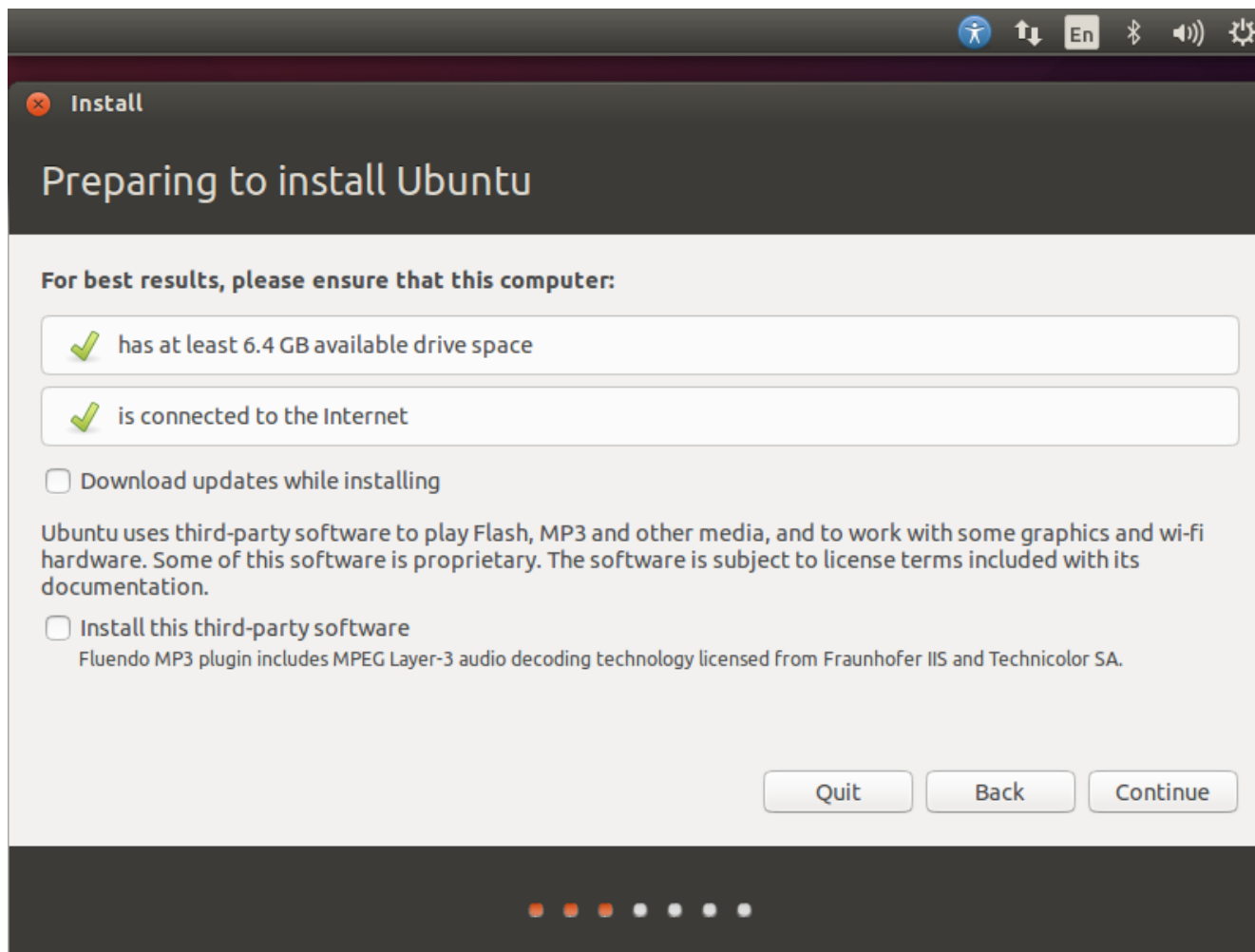


# OS Installation



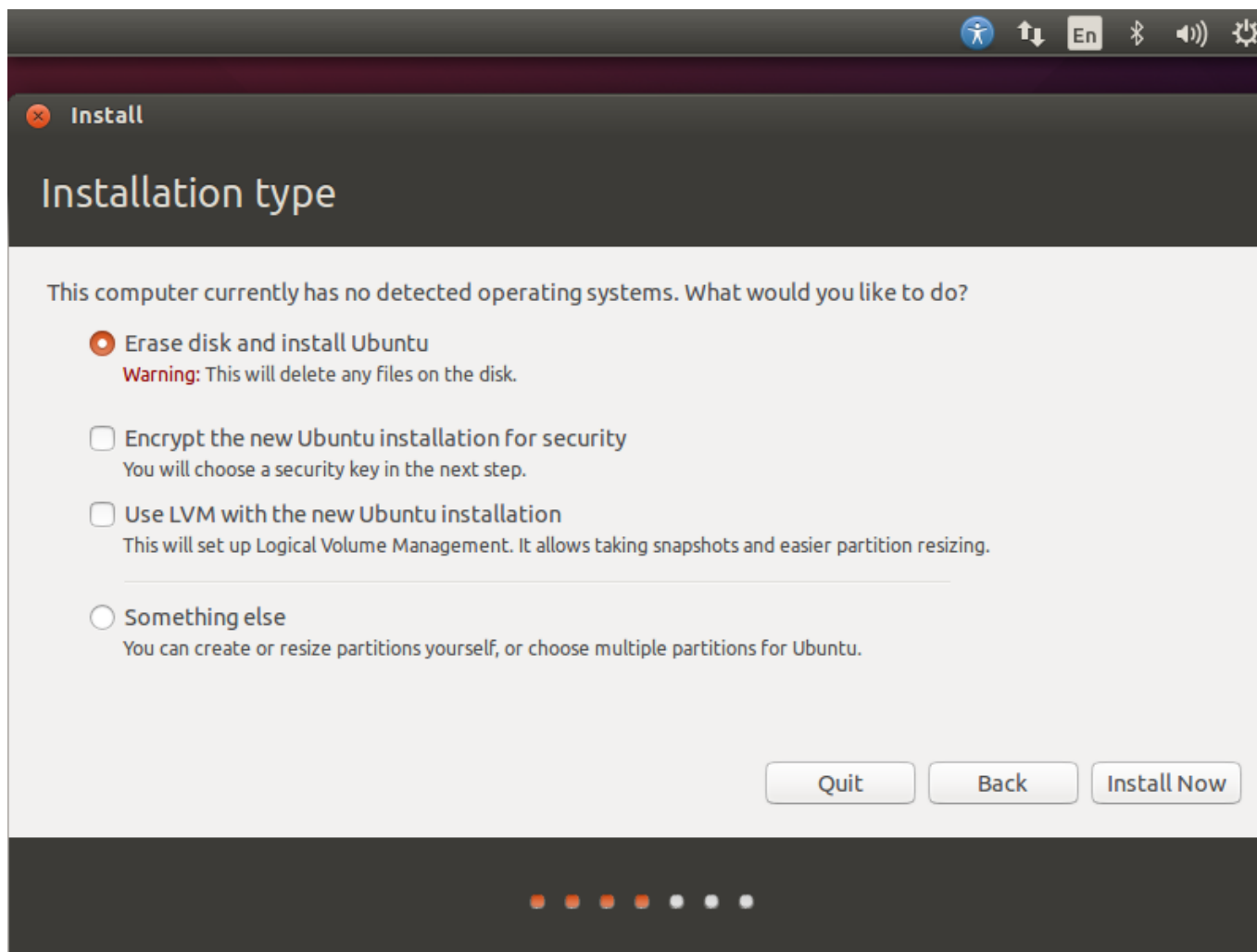


# OS Installation



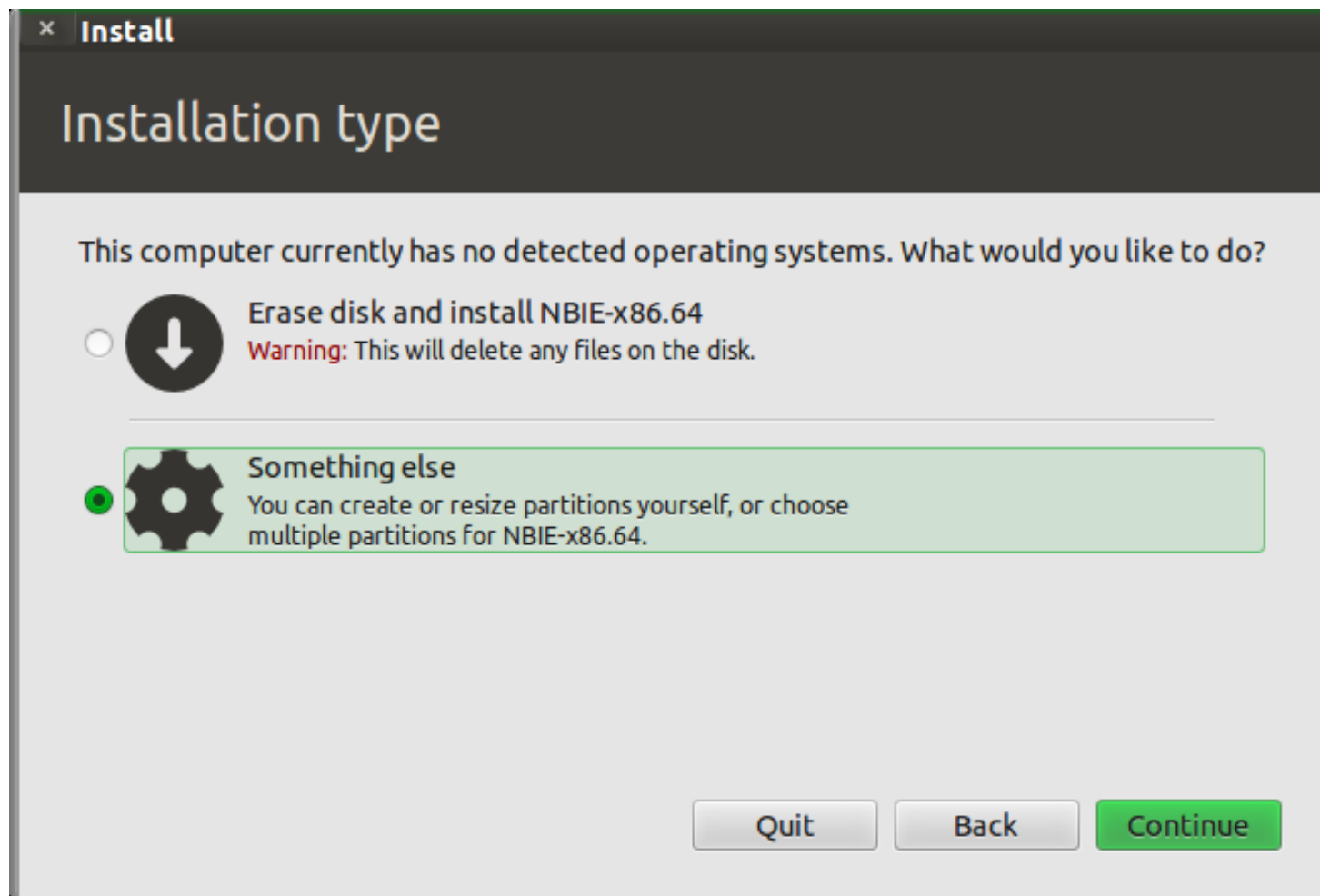


# OS Installation





# OS Installation





# OS Installation

**Install**

Installation type

☐ free space  
32.2 GB

Device	Type	Mount point
/dev/sda	free space	

New Partition Table... Add

Device for boot loader installation:  
/dev/sda VMware, VMware Virtual S (32.2 GB)

**Create partition**

Create a new partition

Type for the new partition: ☒ Primary ☐ Logical

New partition size in megabytes (1000000 bytes):

Location for the new partition: ☒ Beginning ☐ End

Use as: Ext4 journaling file system

Mount point: /

Cancel OK

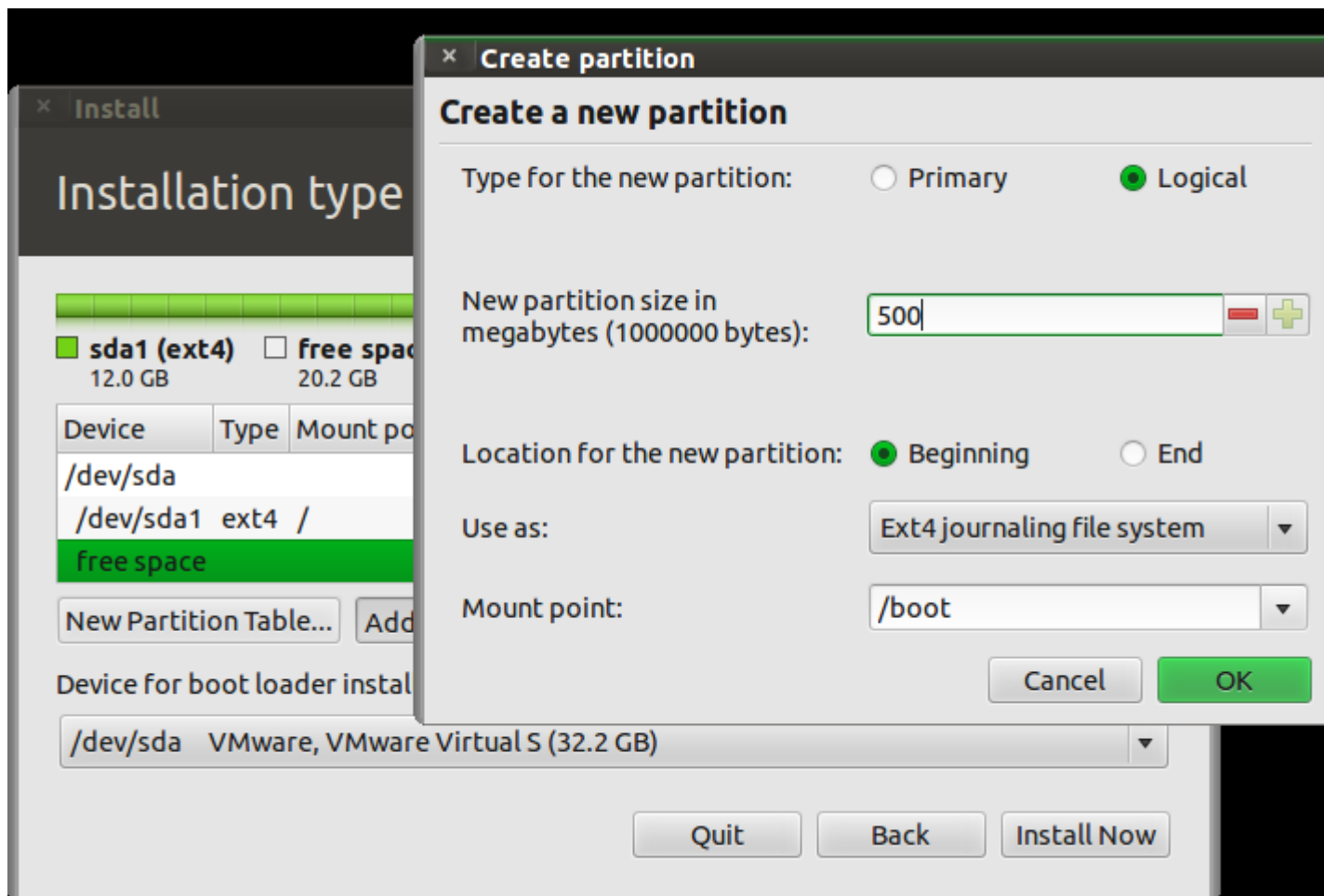
Quit Back Install Now





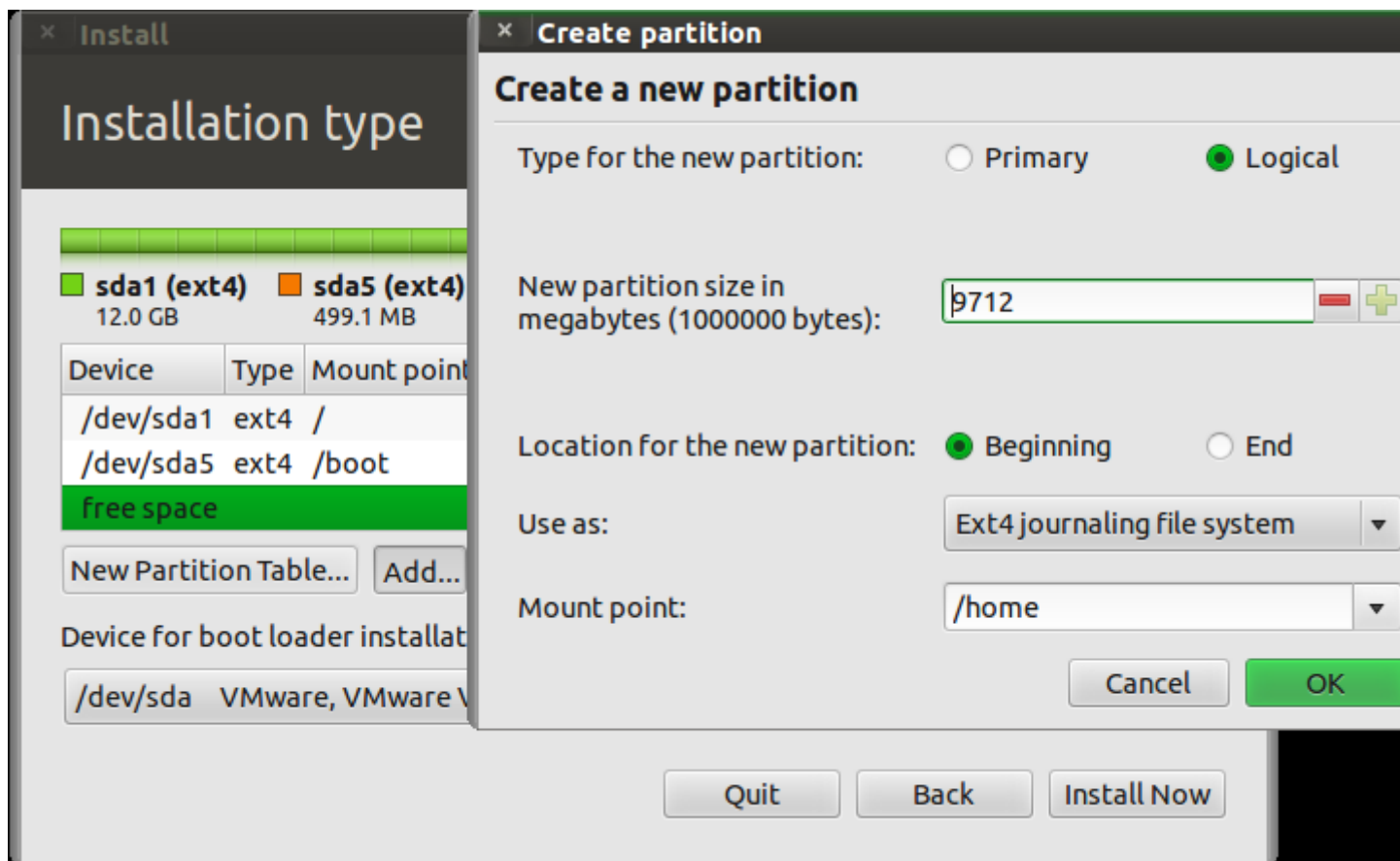


# OS Installation



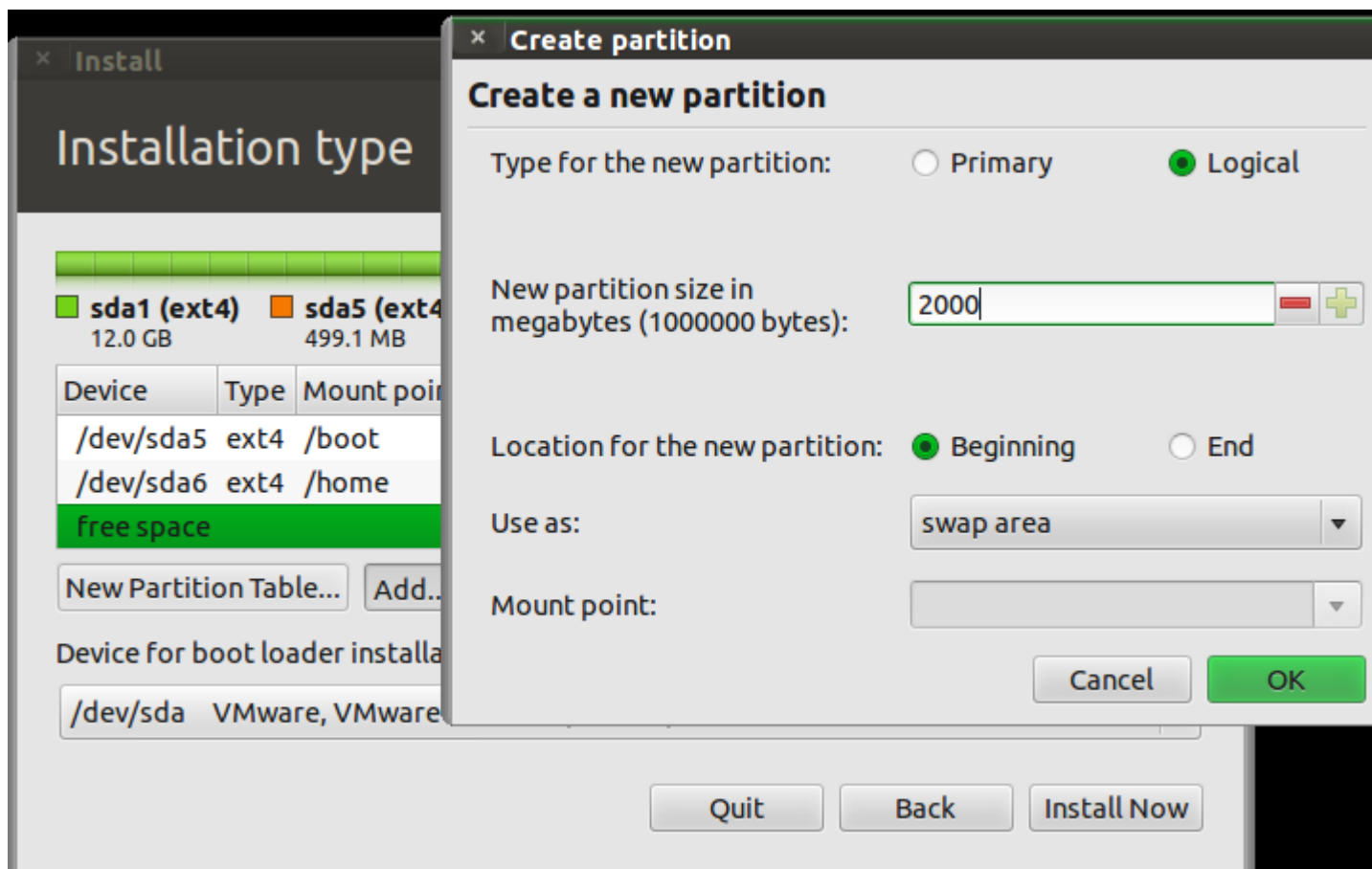


# OS Installation



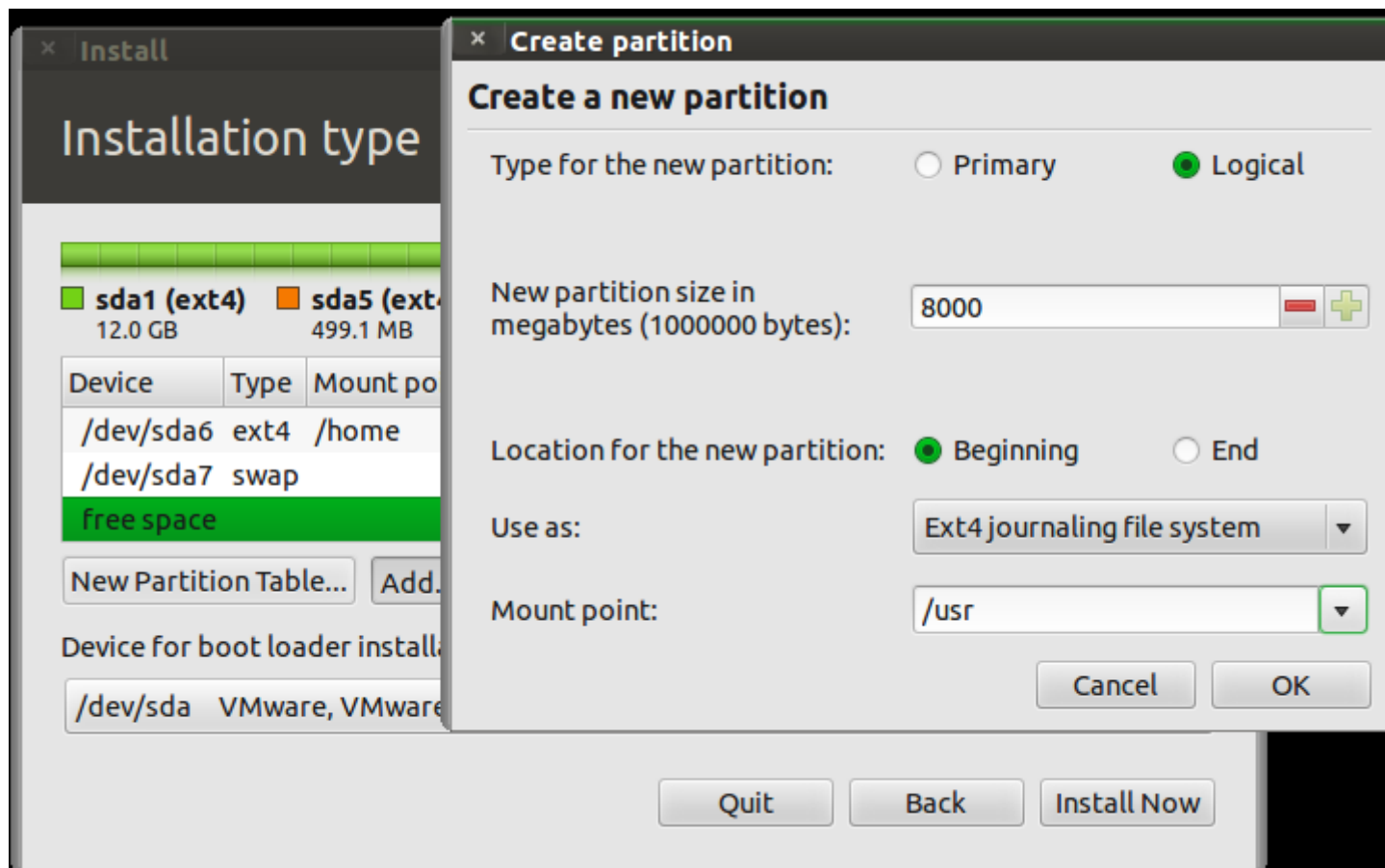


# OS Installation



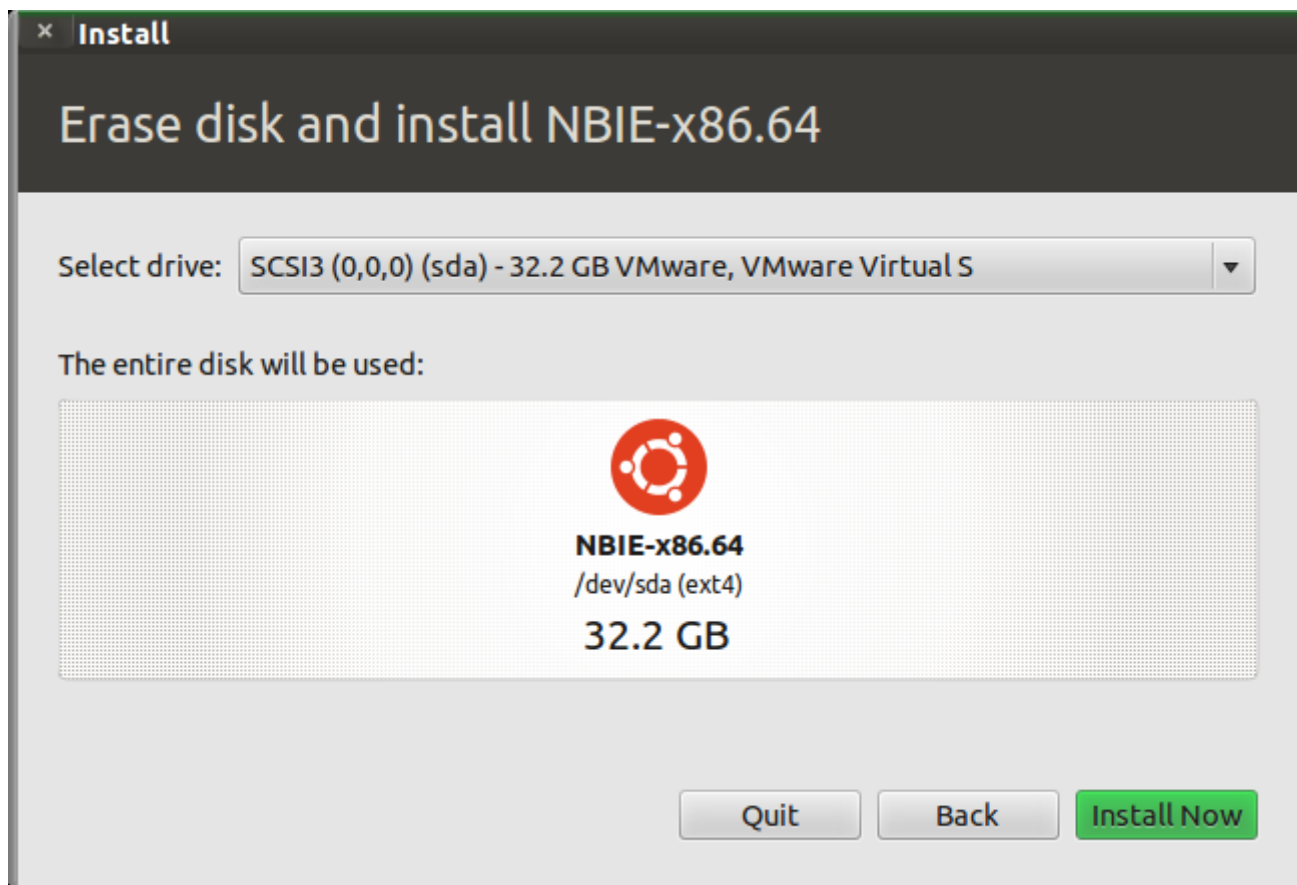


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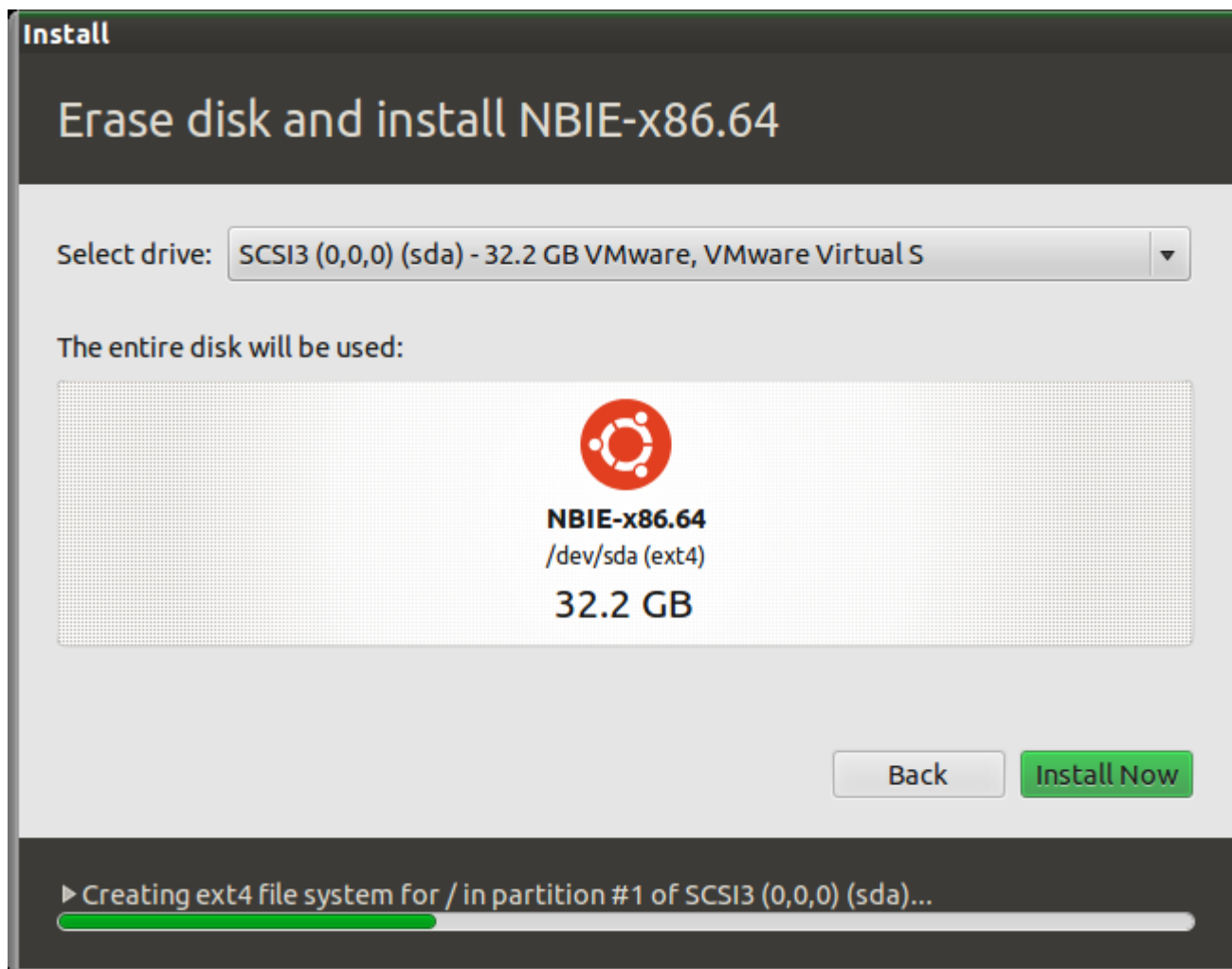


# OS Installation



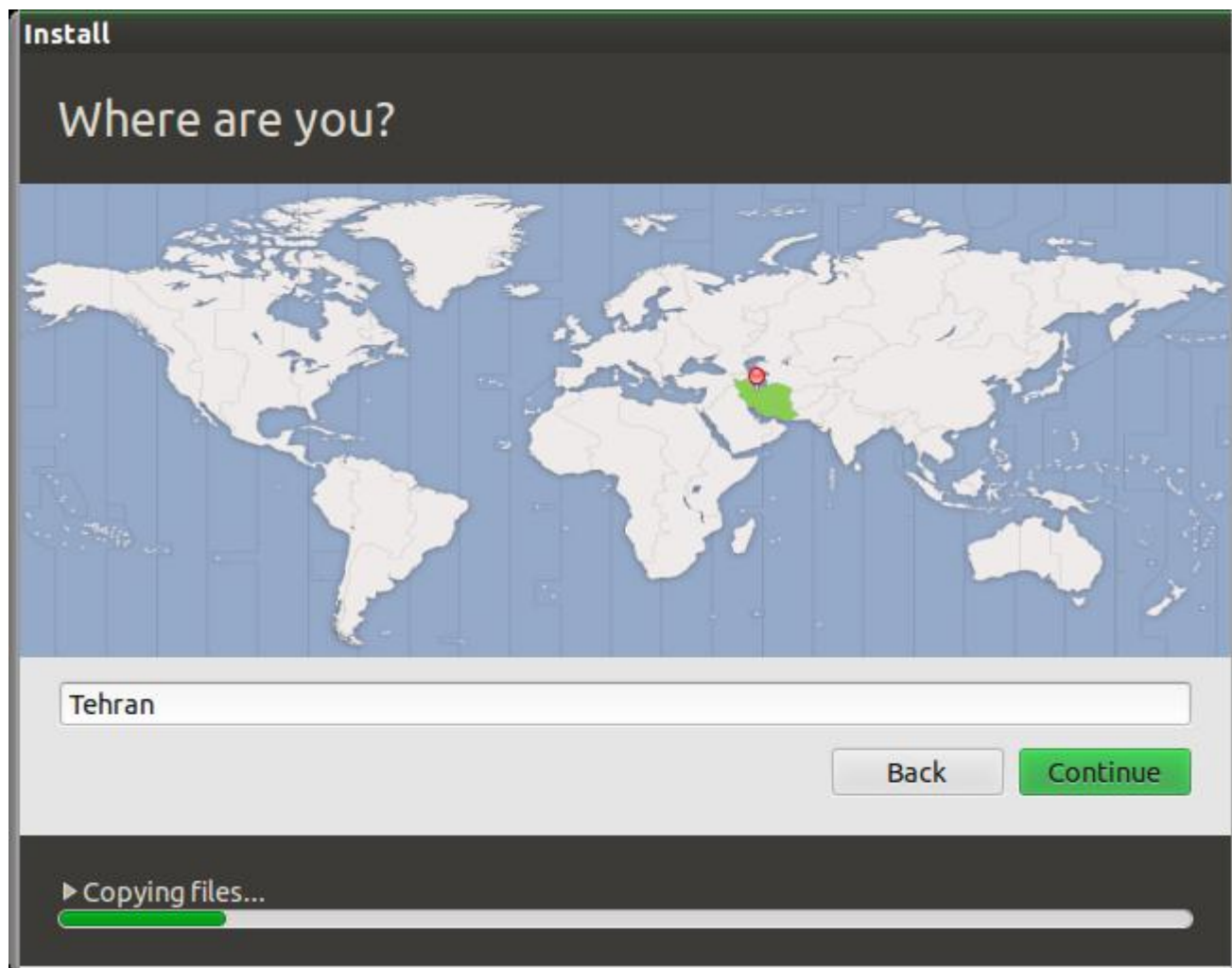


# OS Installation





# OS Installation





# OS Installation

**Install**

## Keyboard layout

Choose your keyboard layout:

Montenegrin	Persian
Nepali	Persian - Kurdish (Iran, Arabic-Latin)
Norwegian	Persian - Kurdish (Iran, F)
<b>Persian</b>	Persian - Kurdish (Iran, Latin Alt-Q)
Polish	Persian - Kurdish (Iran, Latin Q)
Portuguese	Persian - Persian (with Persian Keypad)
Portuguese (Brazil)	

Type here to test your keyboard

Detect Keyboard Layout

Back Continue

► Copying files...







# OS Installation

Install

Who are you?

Your name:  ✓

Your computer's name:  ✓  
The name it uses when it talks to other computers.

Pick a username:  ✓

Choose a password:  Strong password

Confirm your password:  ✓

☐ Log in automatically

☒ Require my password to log in

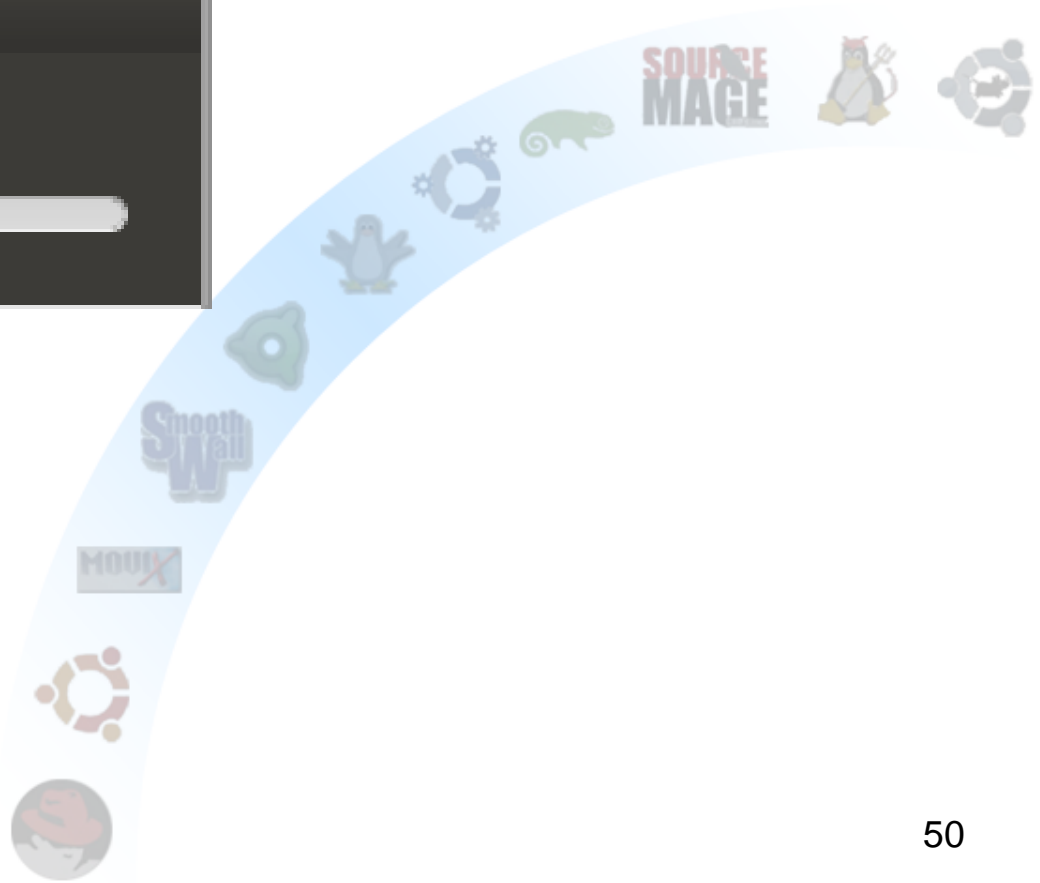
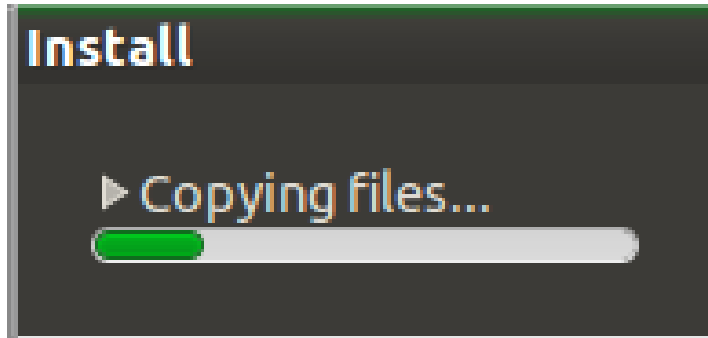
☐ Encrypt my home folder

Back Continue



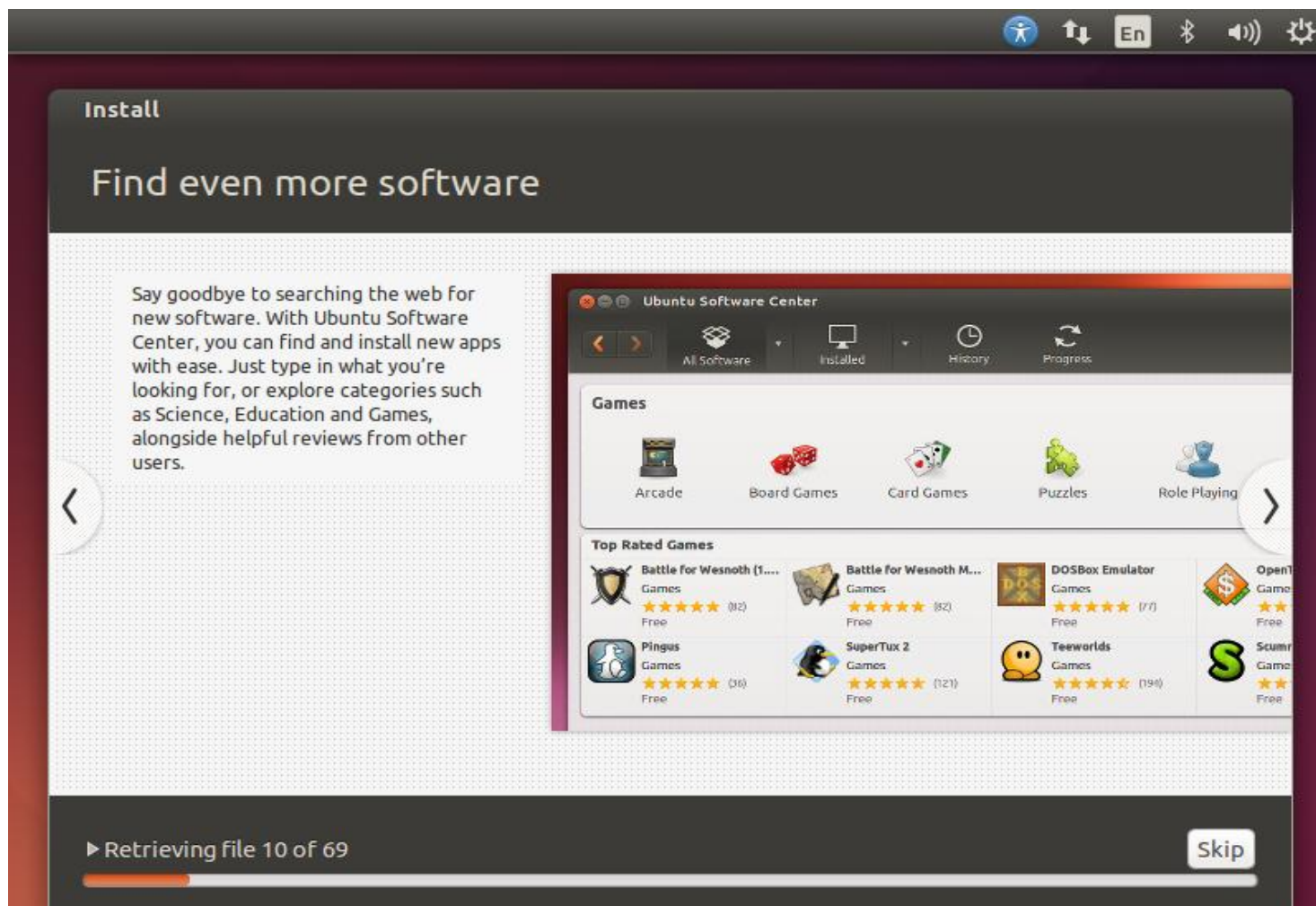


# OS Installation



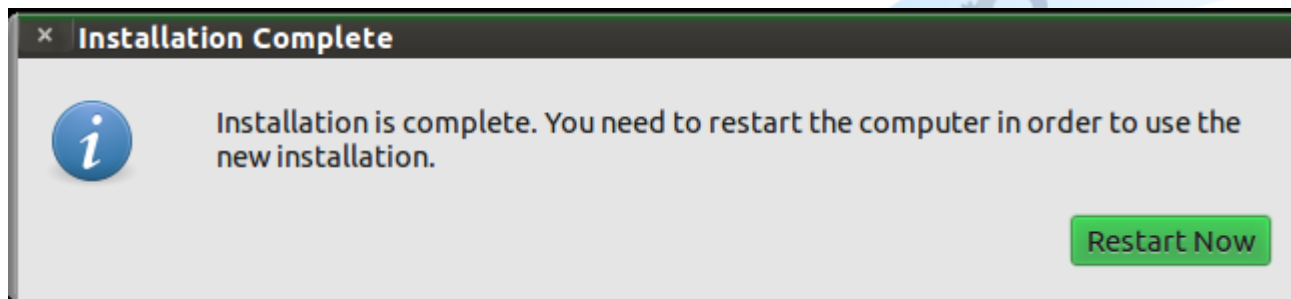


# OS Installation





# OS Installation





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