

SAMSUNG

ELECTRONICS

# [SCM Express]

## VMware

## Client Configuration

## Guide



# Chapter 1. Preparation



# 1. Preparation - 1

## 1.1 Case 1 : VMware was installed

In this case, we should assume that VMware Client program is also installed.

You have to set up the necessary resources in using the Client program.

[SCM Virtualization resource]

구분	SCM Express	SCM Enterprise
Virtual CPU	2.0 GHz 4 core	2.0 GHz 4 core
Virtual RAM	6 GByte	10 GByte
Virtual HDD	300 GByte	300 GByte
Virtual Network bandwidth	100 Mbps	100 Mbps
Virtual Network adapter	3	3

See Chapter3 to set up.

# 1. Preparation - 2

## 1.2 Case 2 : VMware was not installed

### 1.2.1 Physical Server

[Server Resource]

구분	SCM Express 용	SCM Enterprise 용
CPU	2.0 GHz 5 core or more 2.9 GHz 4 core or more	2.0 GHz 5 core or more 2.9 GHz 4 core or more
RAM	10 GByte or more	14 GByte or more
HDD	300 GByte or more	300 GByte or more
Network bandwidth	100 Mbps or more	100 Mbps or more
Network adapter	1(minimum) / 3(recommended)	1(minimum) / 3(recommended)

(Caution)

Server resources have to be sufficient to install VMware and SCM S/W.

# 1. Preparation – 3

## 1.2.2 VMware Installation

VMware vSphere Hypervisor : VMware ESXi 5.5

This guide does not describe VMware installation.

## 1.2.3 VMware Client program installation

VMware vSphere Client :

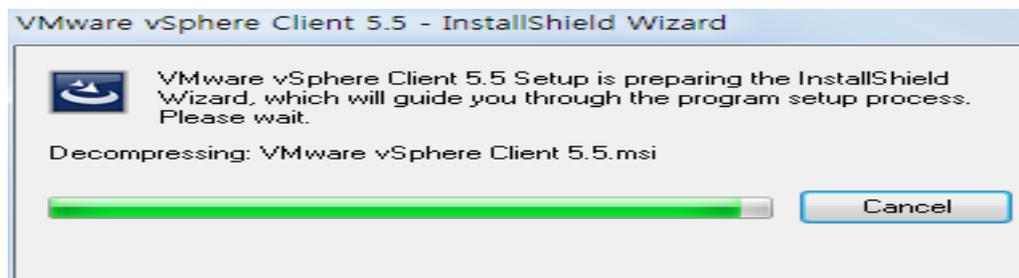
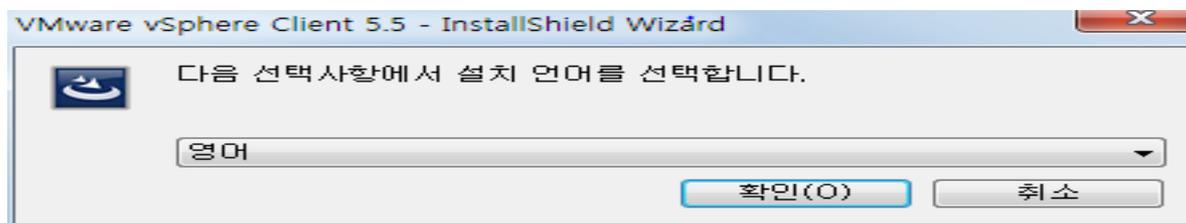
VMware-viclient-all-5.5.0-1281650.exe

See Chapter2 to install VMware Client.

# Chapter2. VMware Client Installation

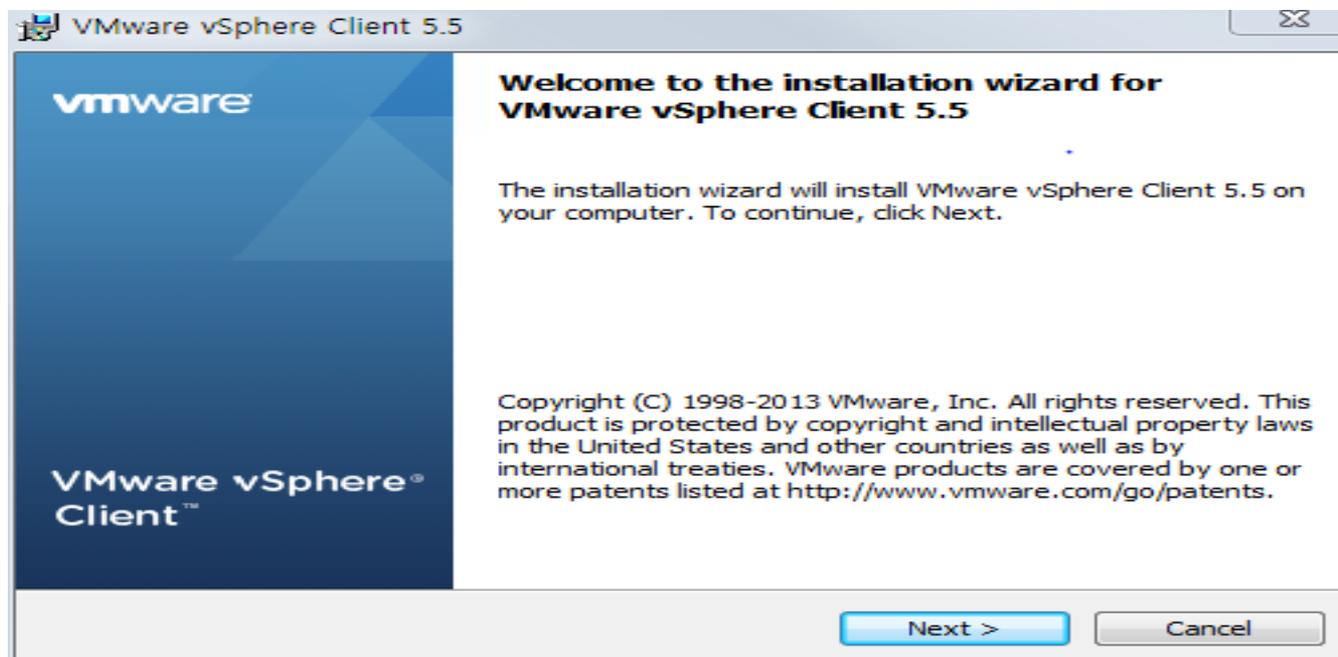


## 2. VMware Client Installation - 1



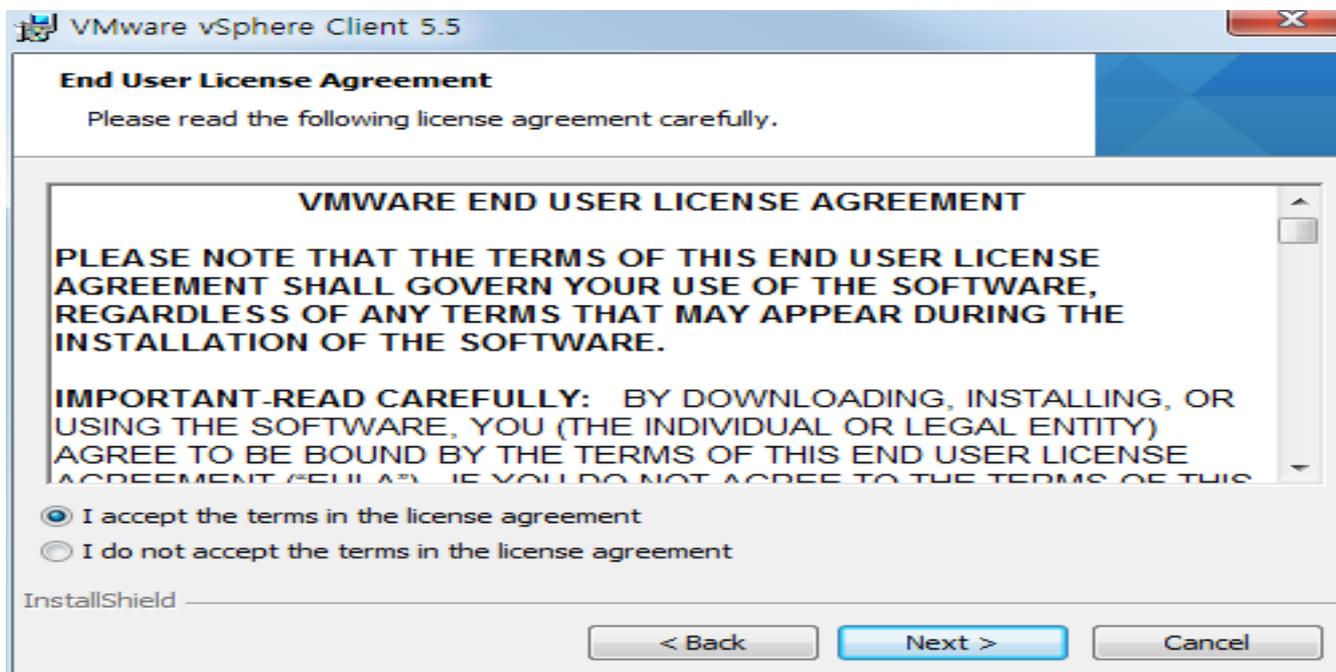
- Run installation file and select the language.

# 2. VMware Client Installation - 2



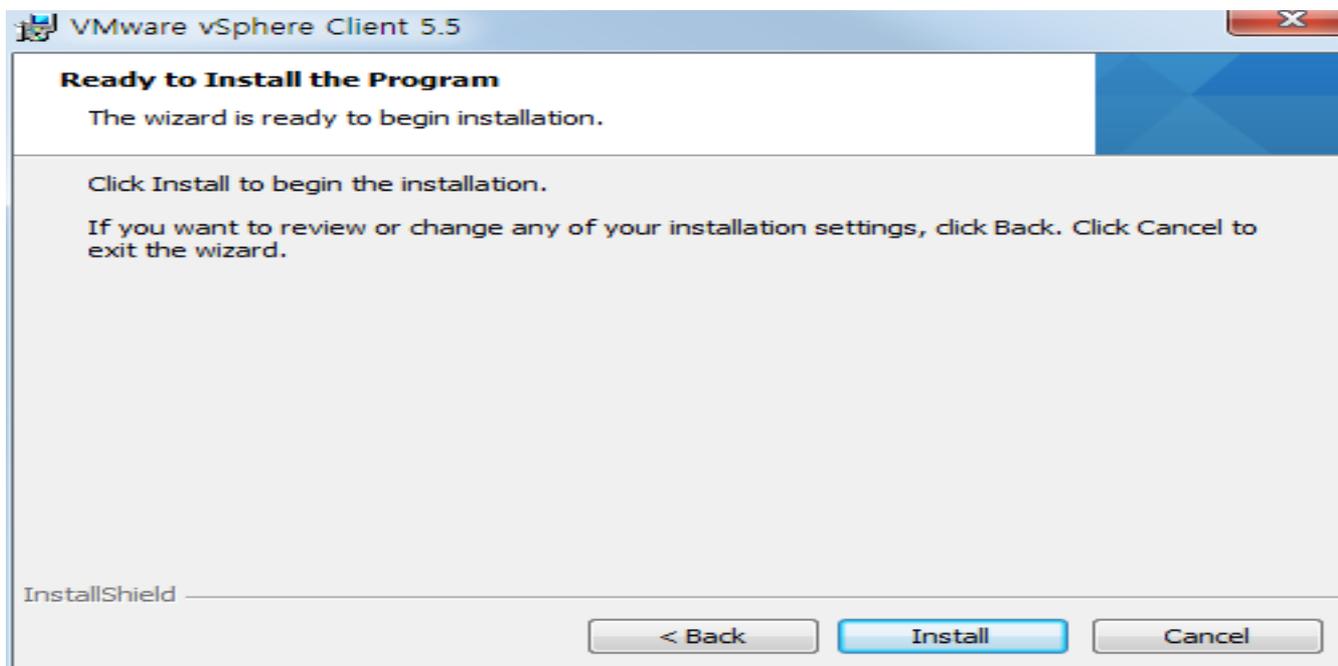
- vSphere Client wizard start
- <Next>

# 2. VMware Client Installation - 3



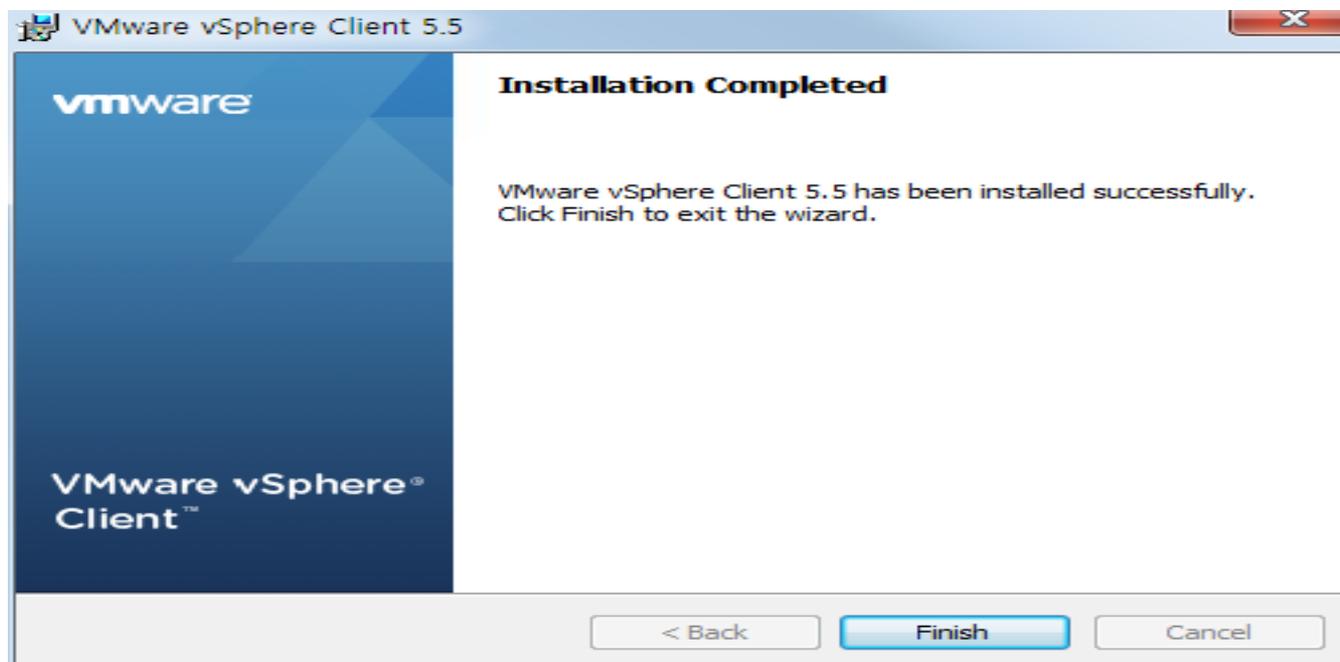
- Select <I accept the terms in the license agreement>
- <Next>

# 2. VMware Client Installation - 4



- Select <Install>

## 2. VMware Client Installation – 5

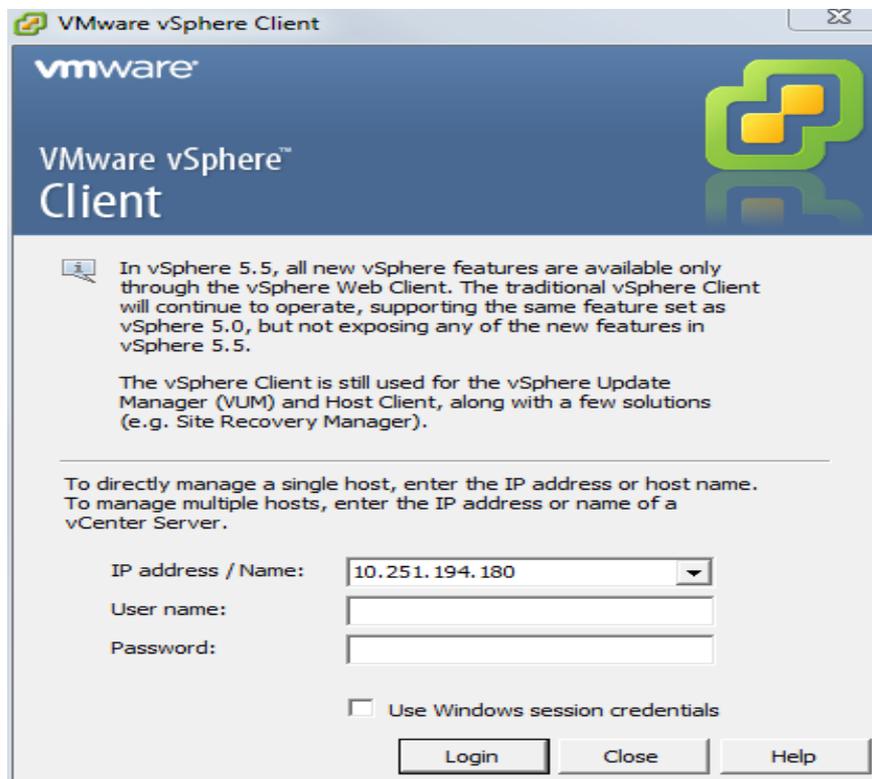


- Select <Finish>
- Run VMware vSphere Client program.

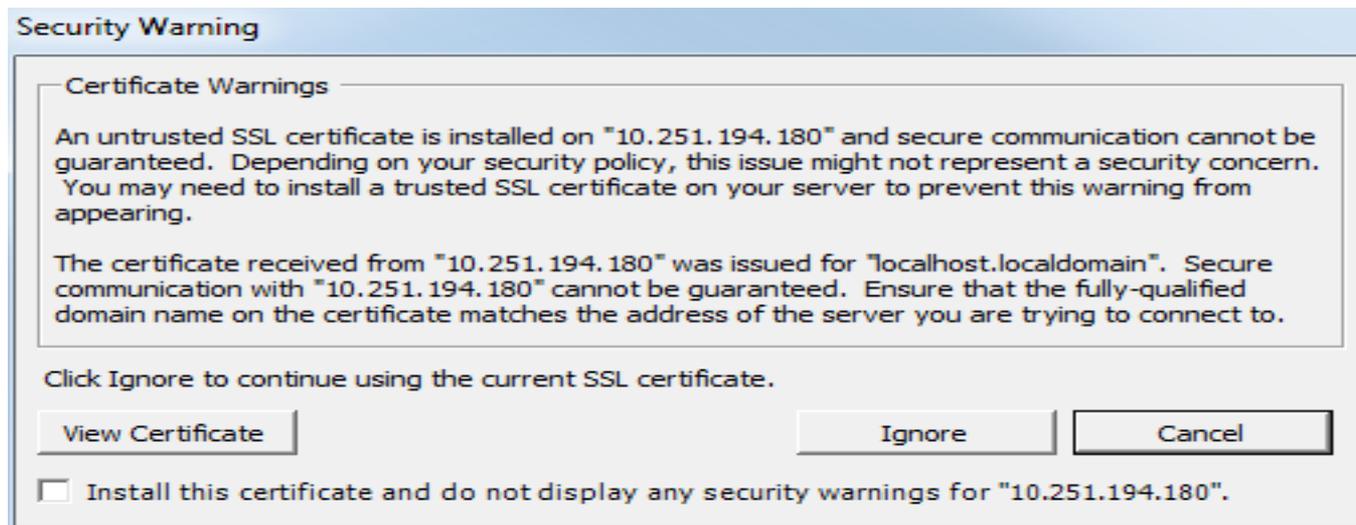
# Chapter3. VMware Network Configuration



# 3. VMware Network Configuration – 1

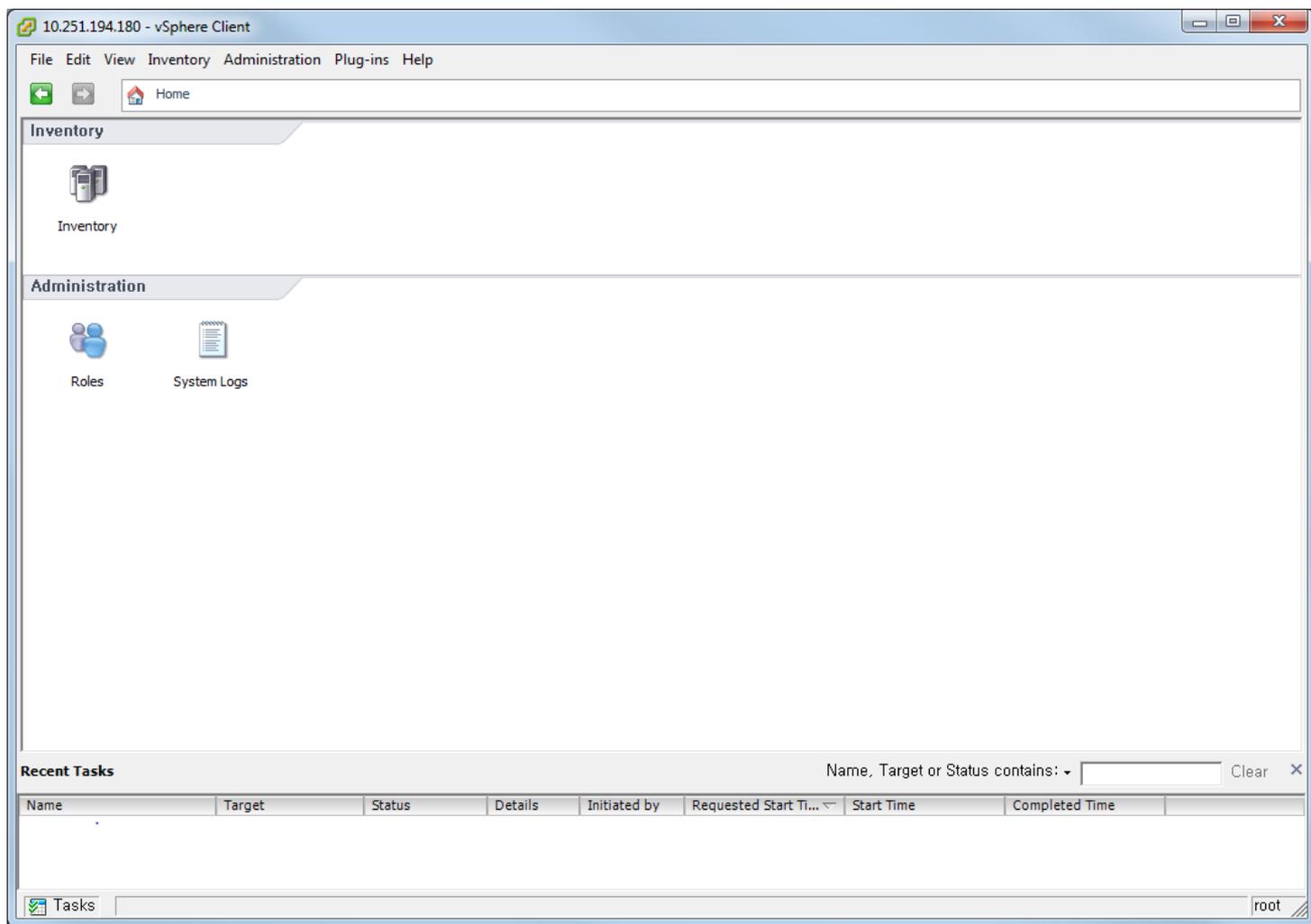


- Input IP address of server that is installed VMware ESXi
- Input Id/Password of VMware ESXi.



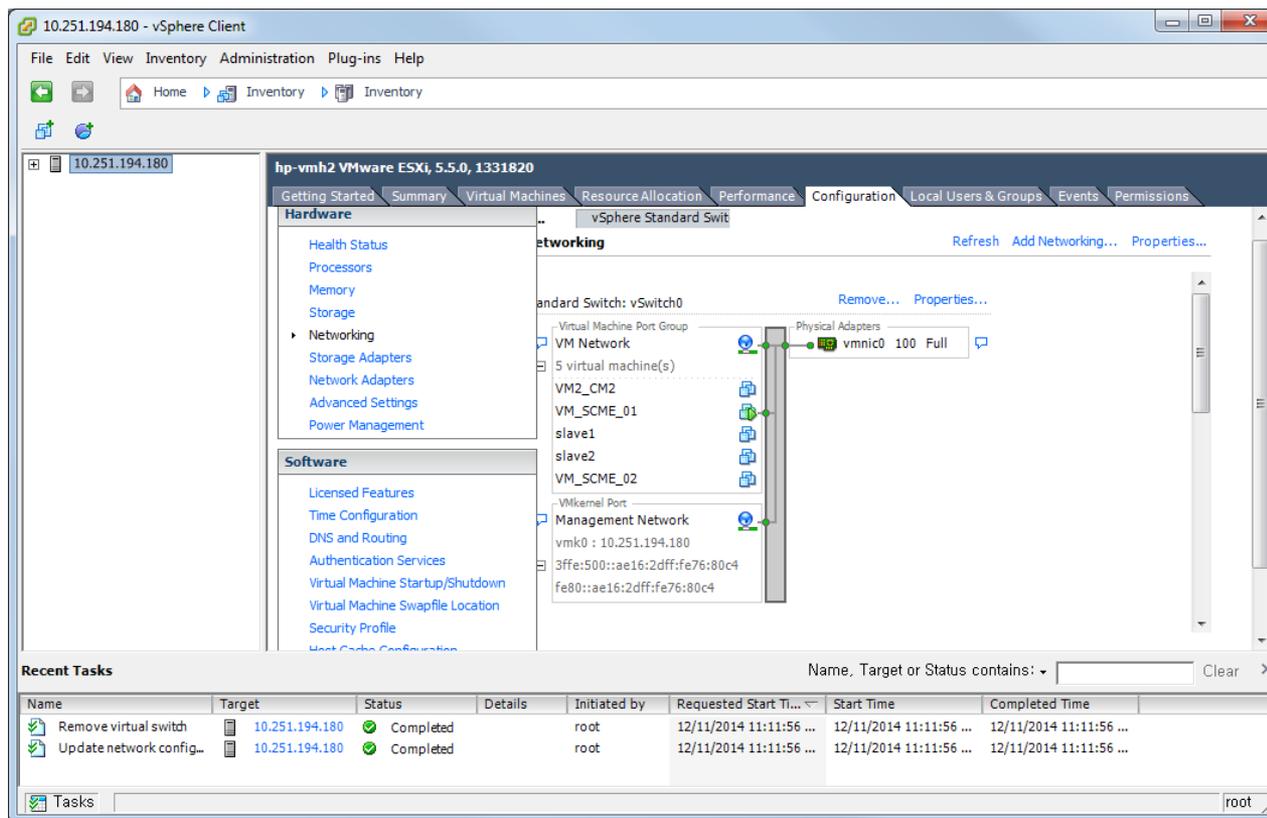
- In this case, select <Ignore>

# 3. VMware Network Configuration – 3



- Select <Inventory>

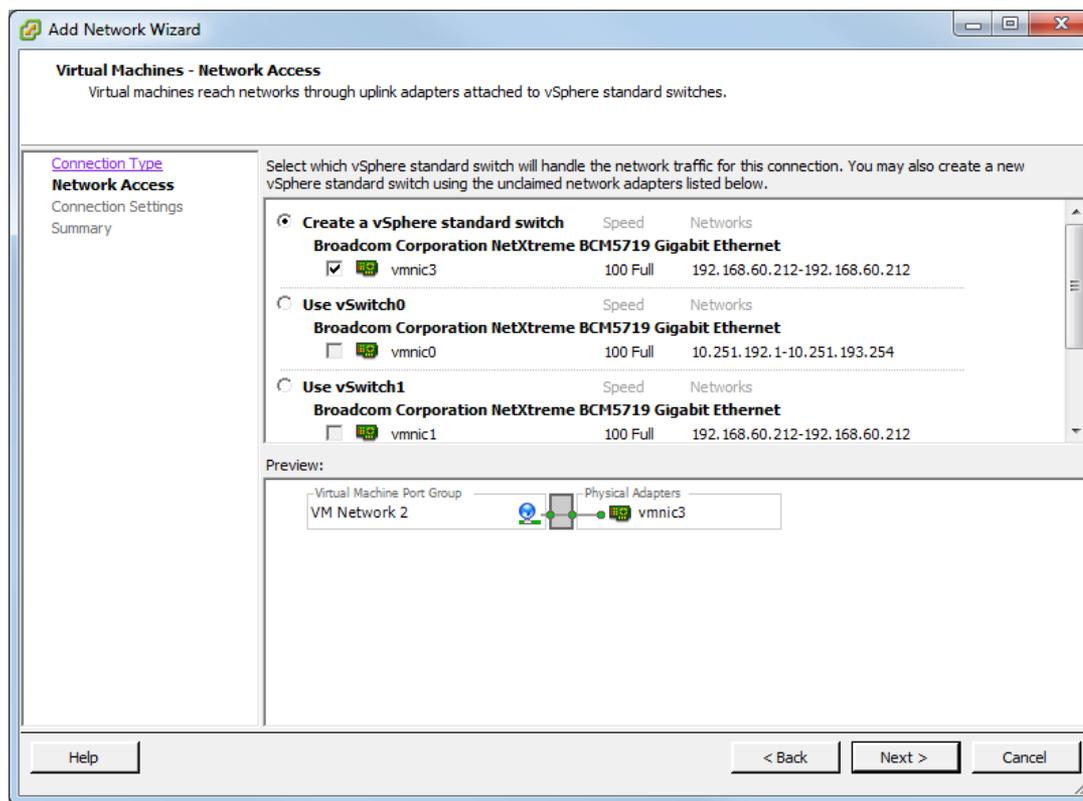
# 3. VMware Network Configuration – 4



- Select Configuration tab
- Hardware -> Networking

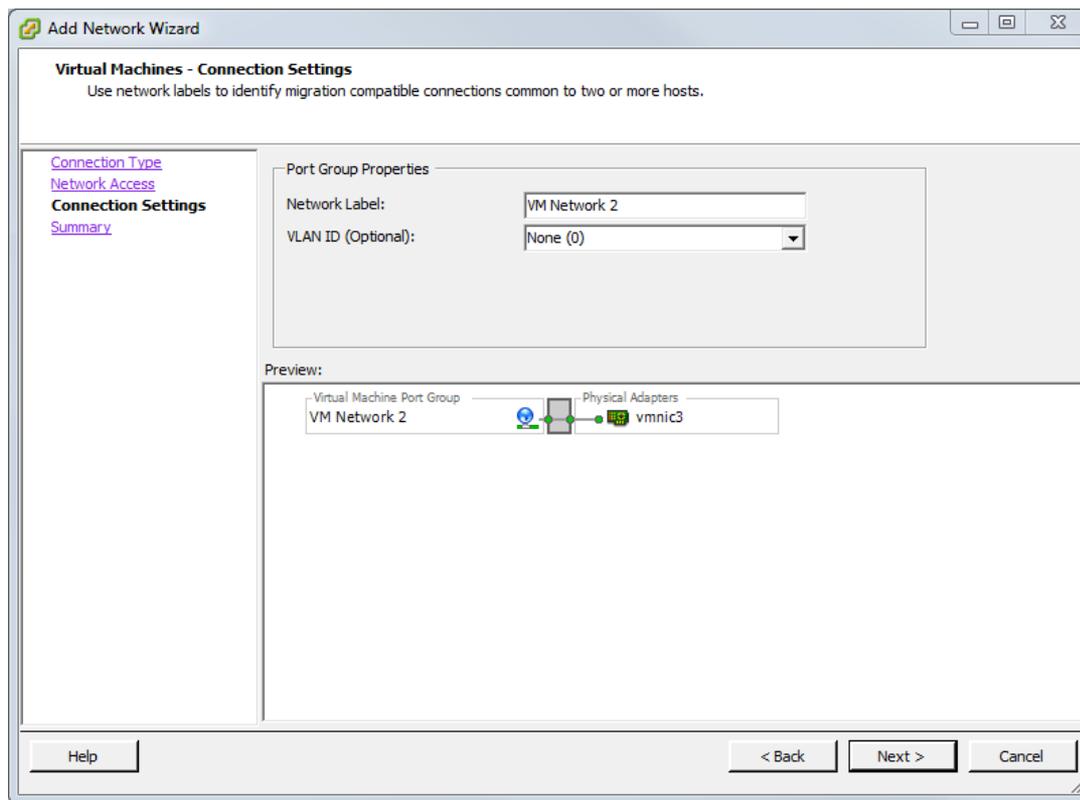
- If there is only the VM Network, you have to add VM Network 1~3.
- If the number of available physical network adapter is 1, add VM Network 1.
- If the number of available physical network adapter is over 3, add VM Network 1~3.

# 3. VMware Network Configuration – 6



- 1) Click Add Networking Wizard.
- 2) <Virtual Machine> -> <Next>
- 3) <Create a vSphere standard switch> -> <Next>

# 3. VMware Network Configuration - 7

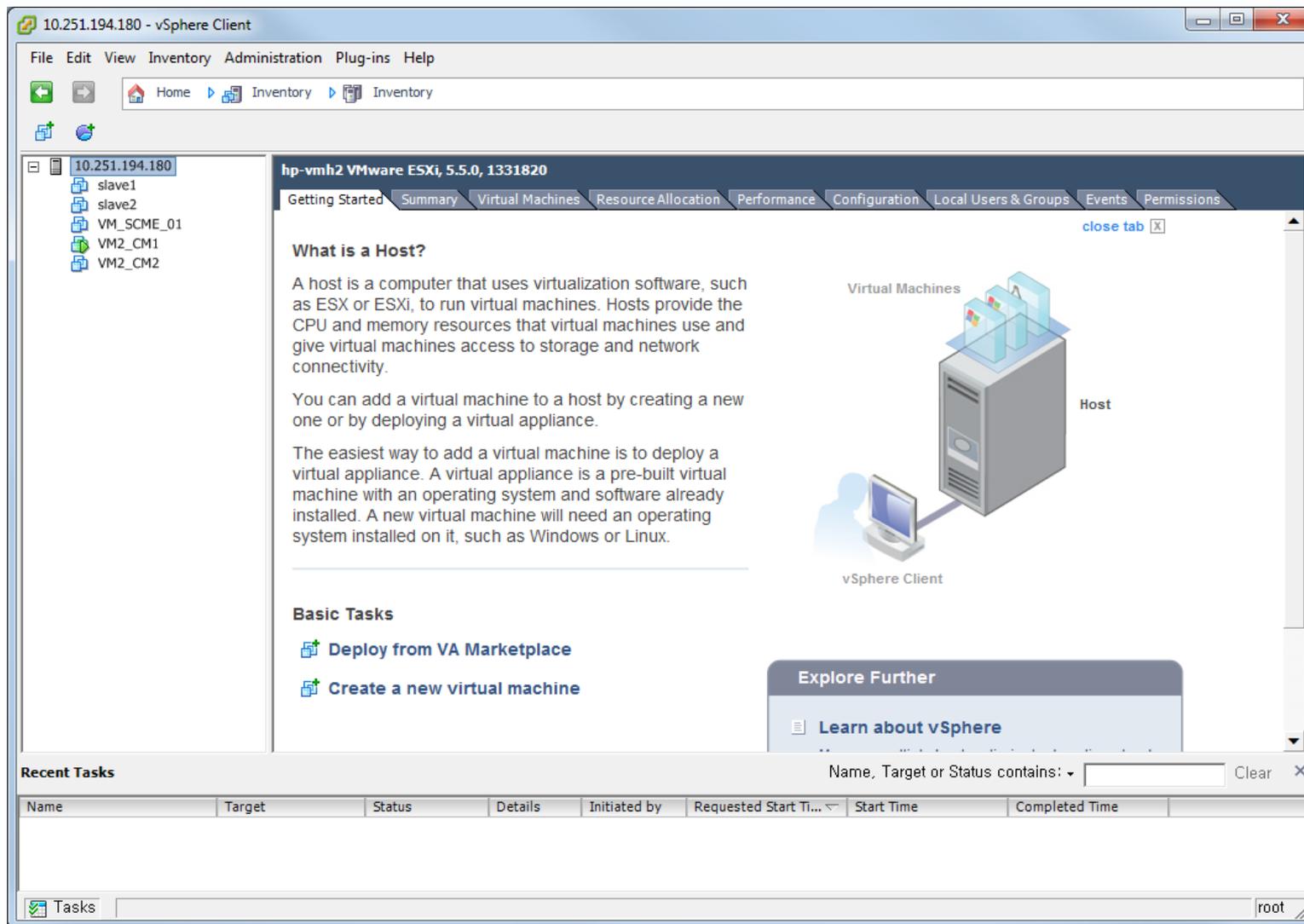


- 4) Input <Network Label> - VM Network 1
- 5) <Next>
- 6) <Finish>
- If you want to add more network adapter, Repeat 1) ~ 6)

# Chapter4. VMware Client Configuration

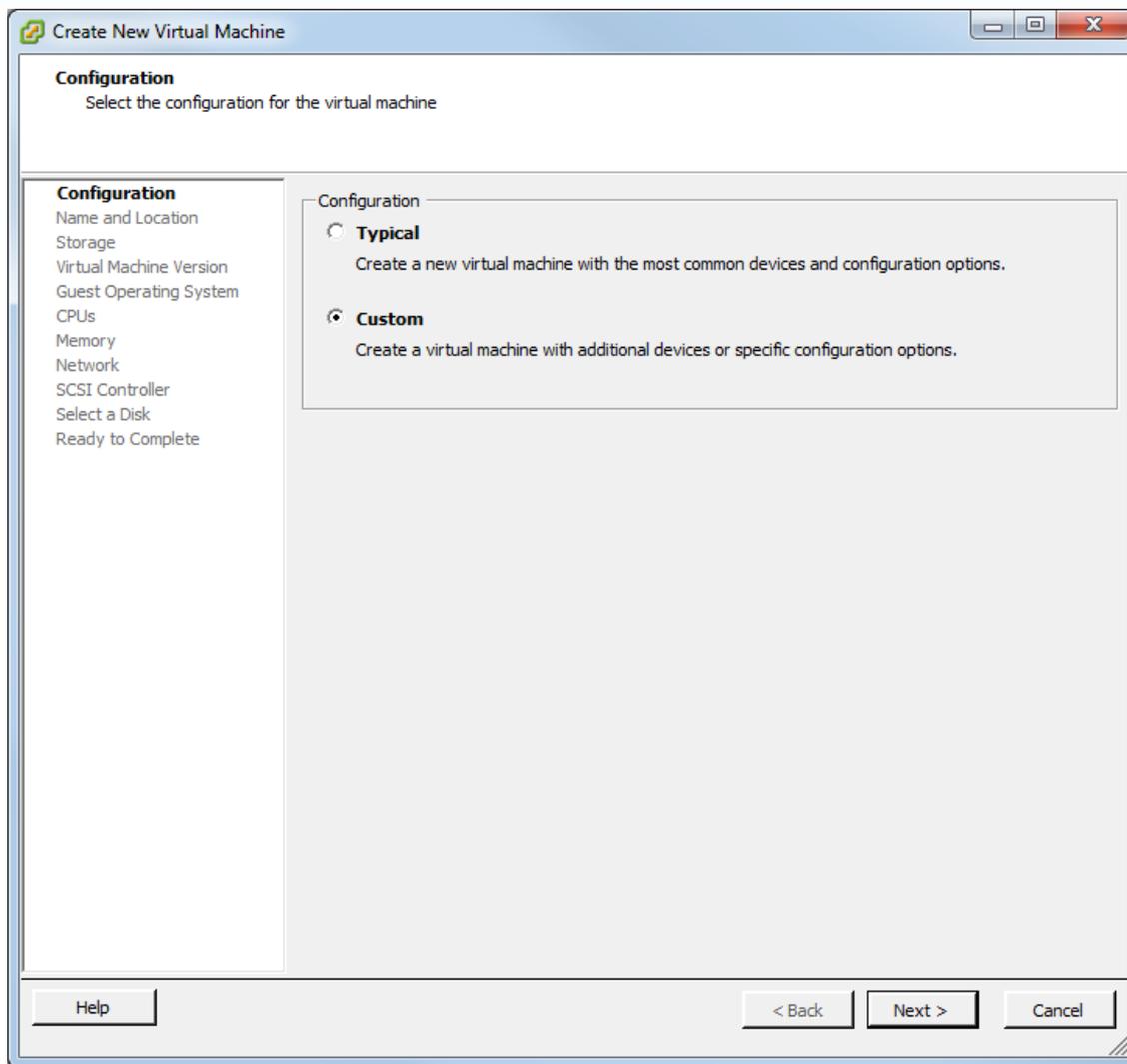


# 4. VMware Client Configuration - 1



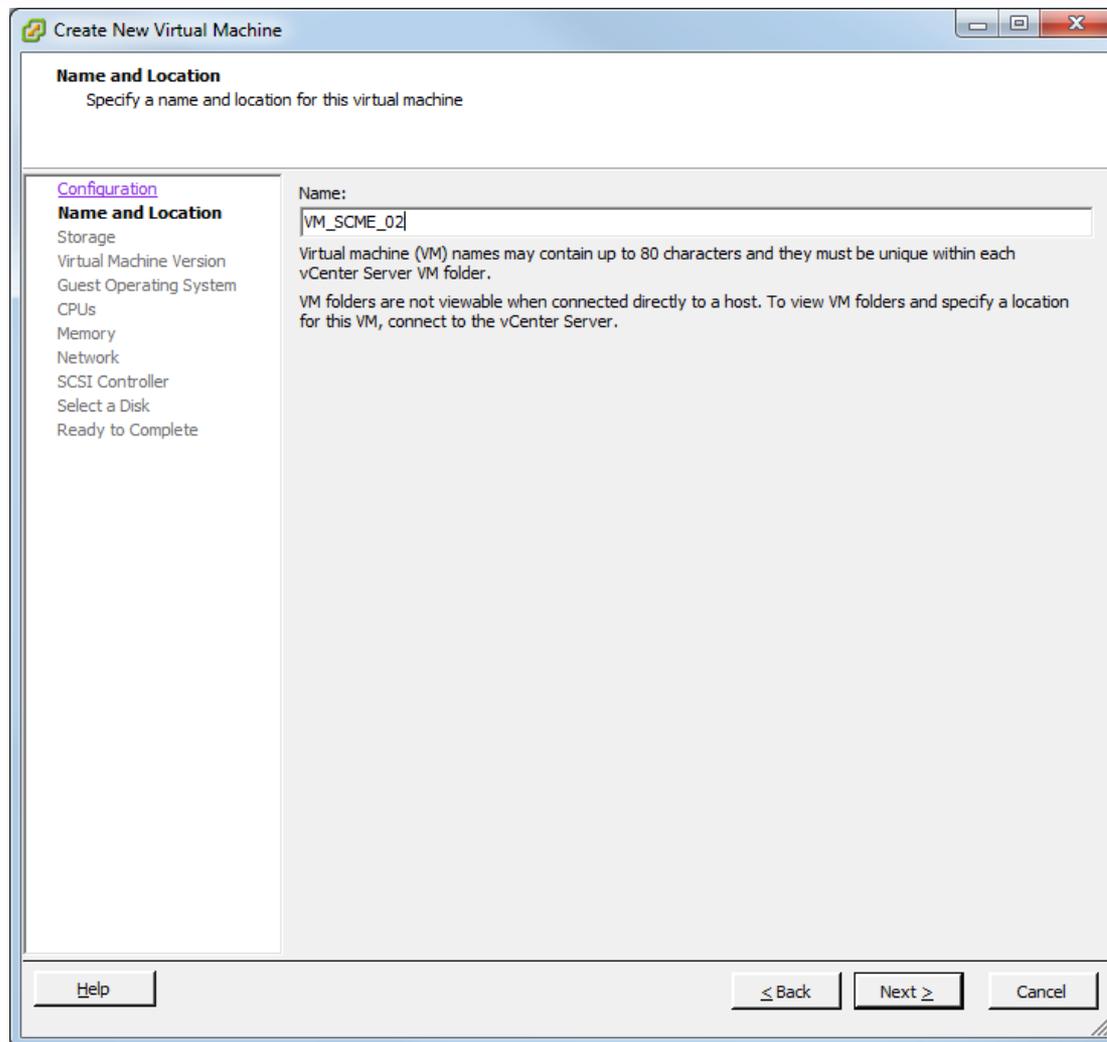
- File -> New -> Virtual Machine...

# 4. VMware Client Configuration – 2



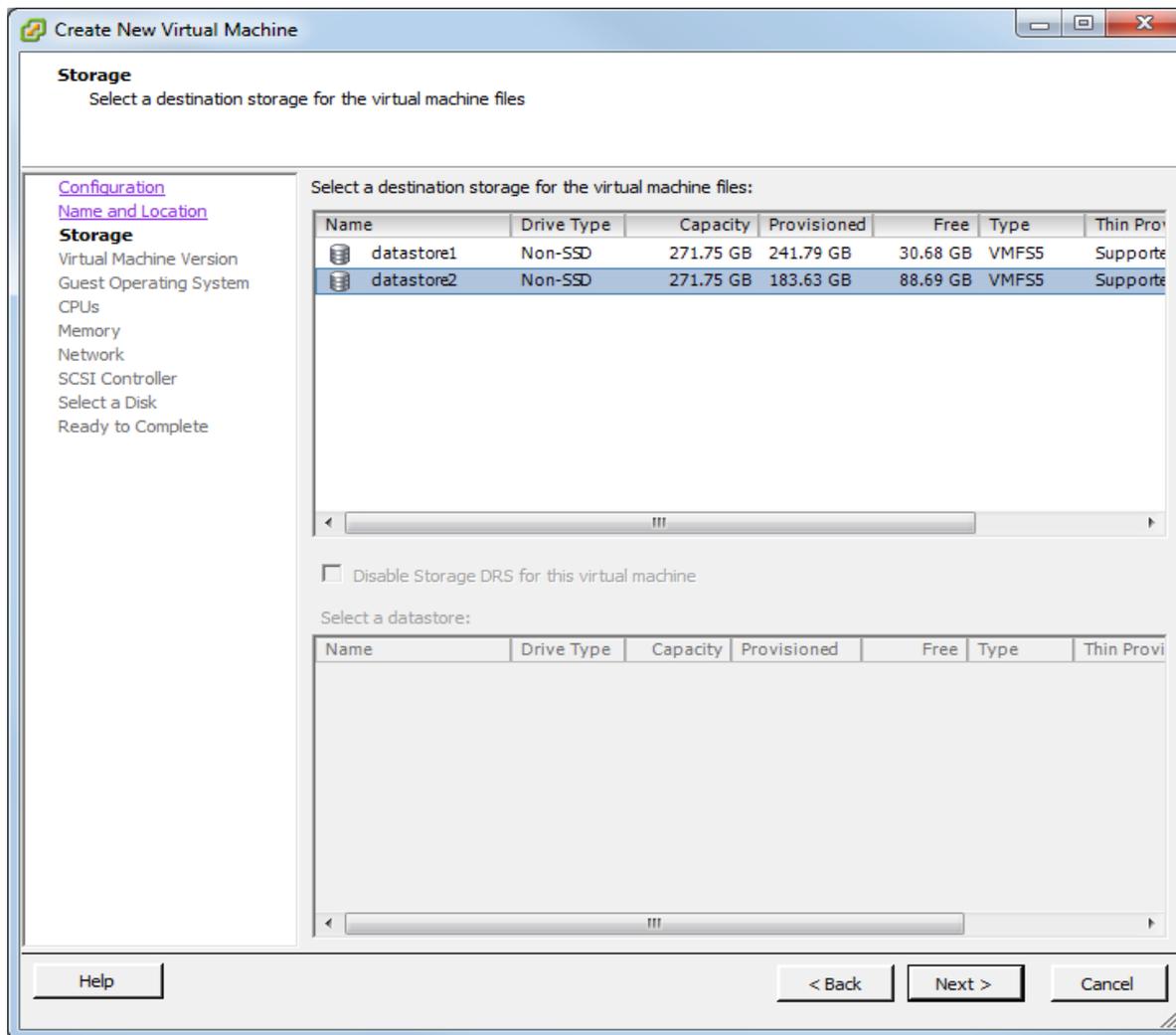
- Select <Custom>
- <Next>

# 4. VMware Client Configuration – 3



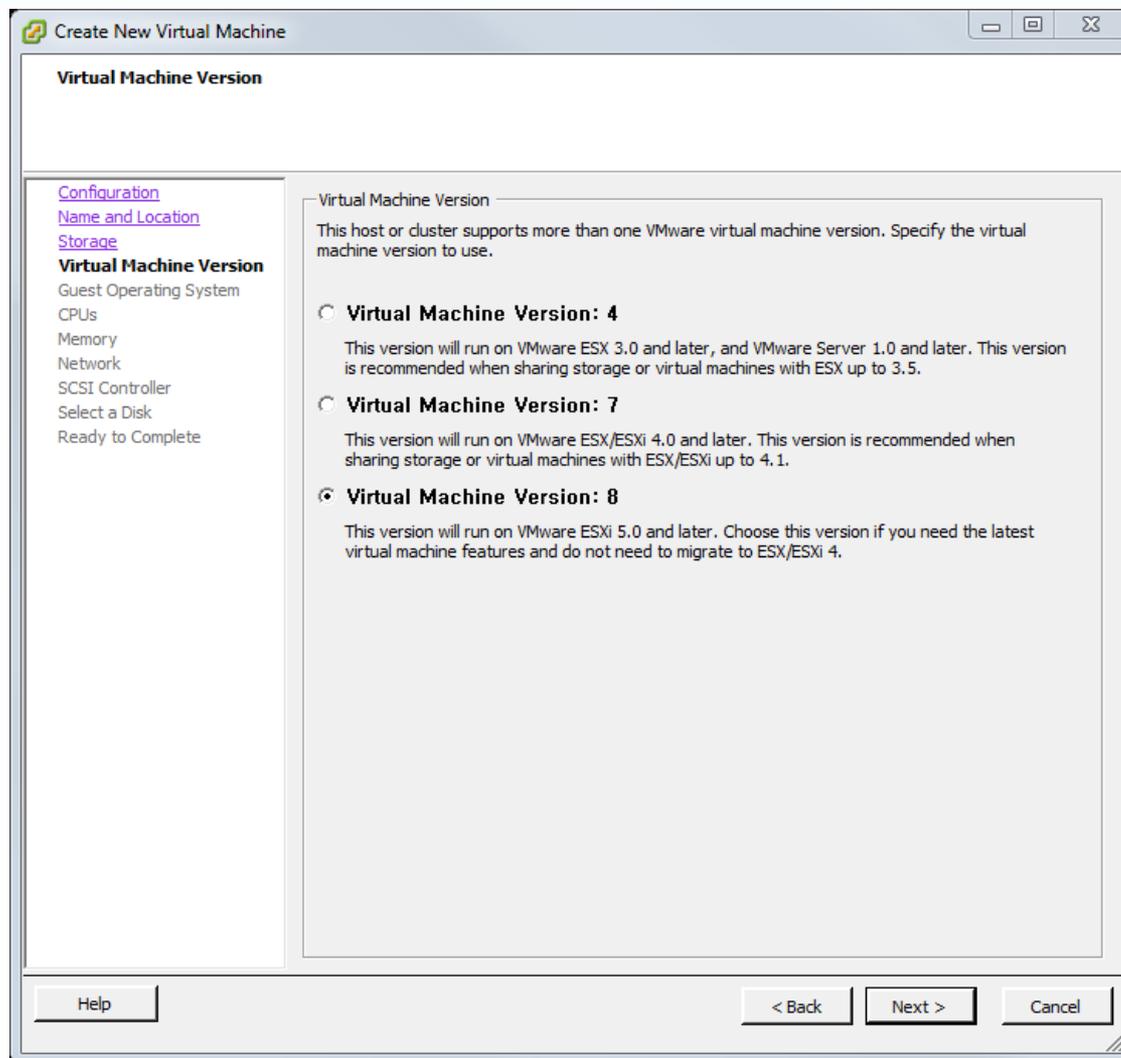
- Input the virtual machine name
- <Next>

# 4. VMware Client Configuration – 4



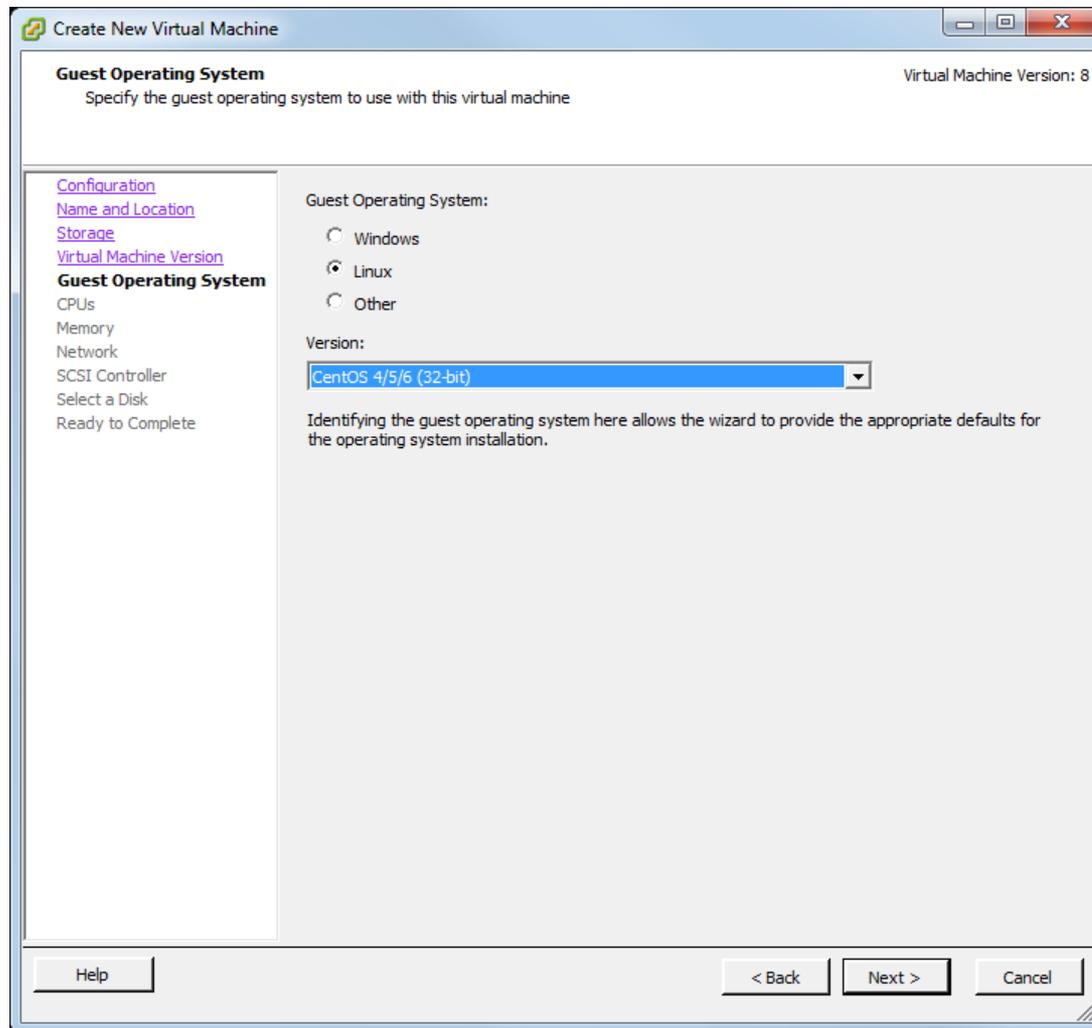
- Select a destination storage for the virtual machine files
- <Next>

# 4. VMware Client Configuration – 5



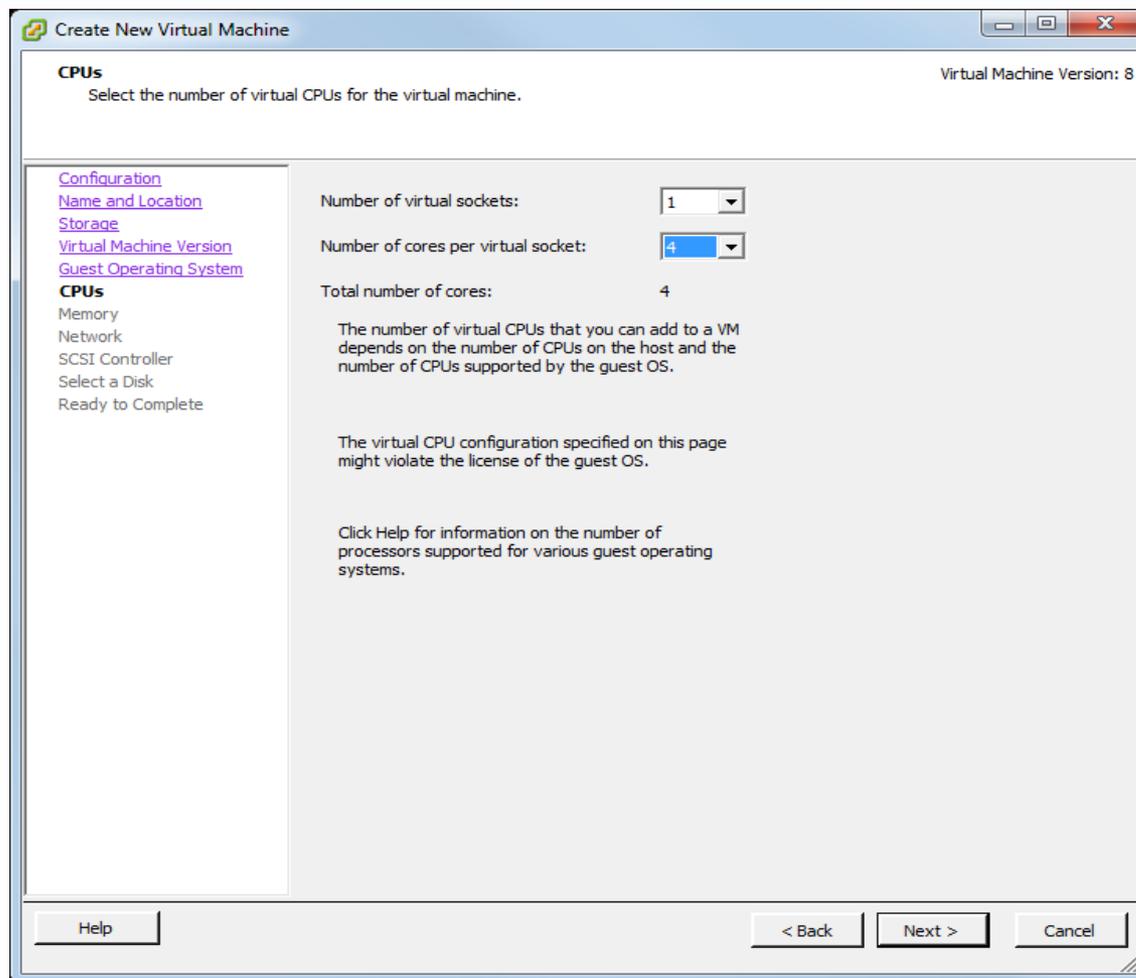
- Select <Virtual Machine Version : 8>
- <Next>

# 4. VMware Client Configuration – 6



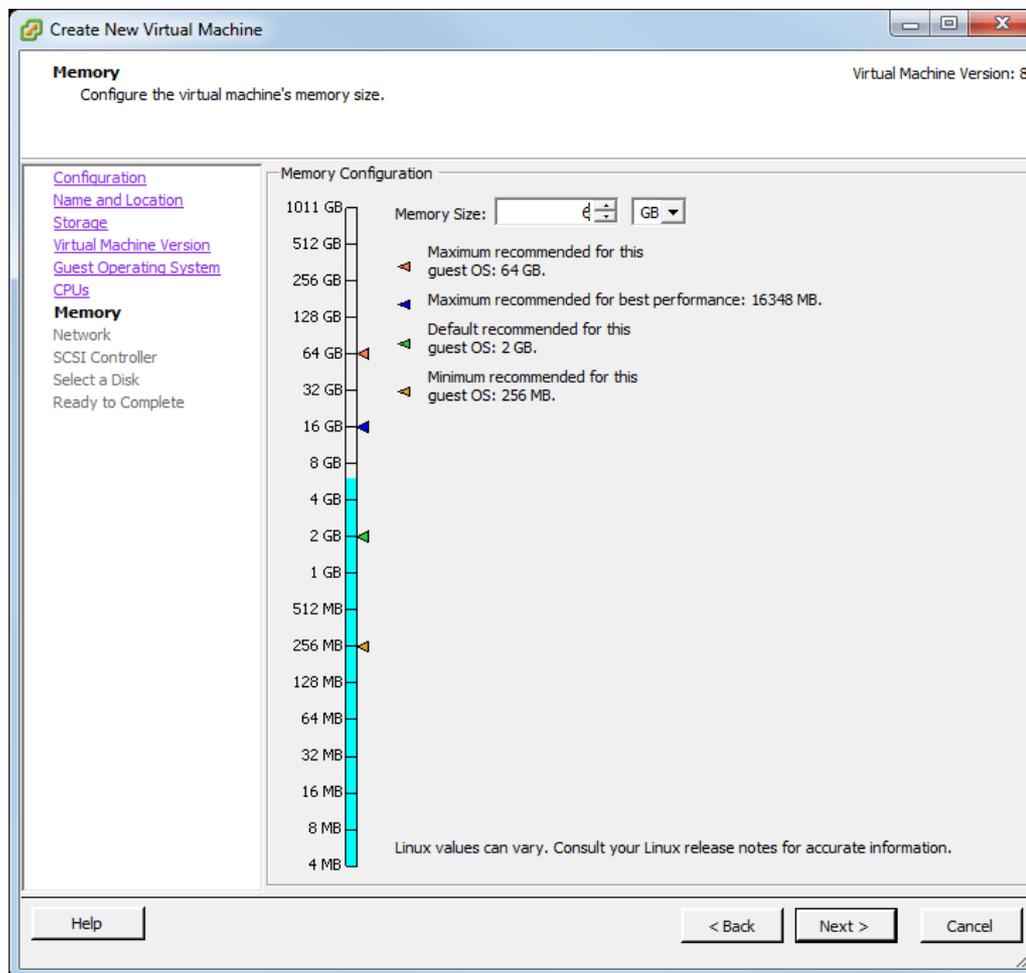
- Select <Linux>
- Select <CentOS 4/5/6(32bit)>
- <Next>

# 4. VMware Client Configuration – 7



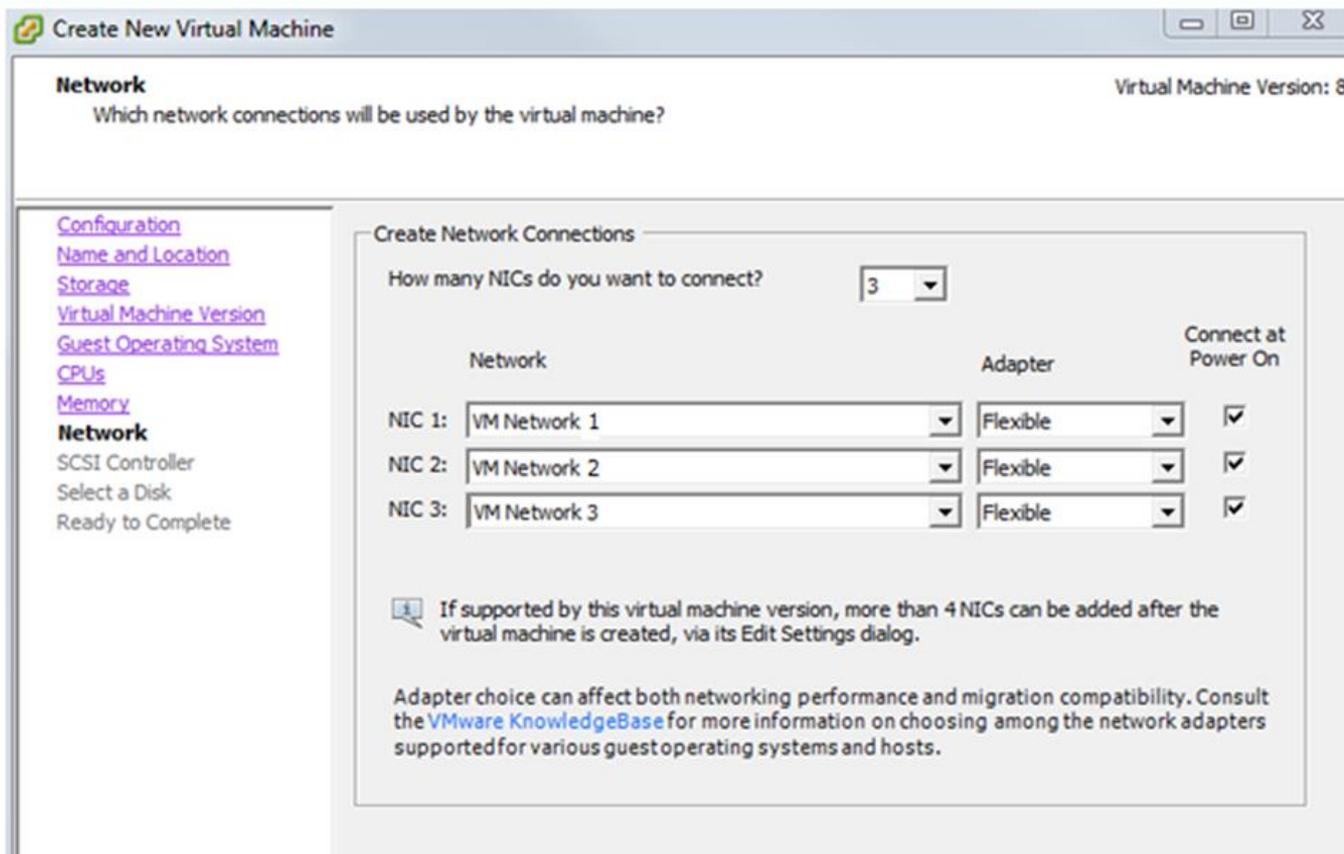
- Number of virtual socket : <1>
- Number of cores per virtual socket : <4>
- <Next>

# 4. VMware Client Configuration – 8



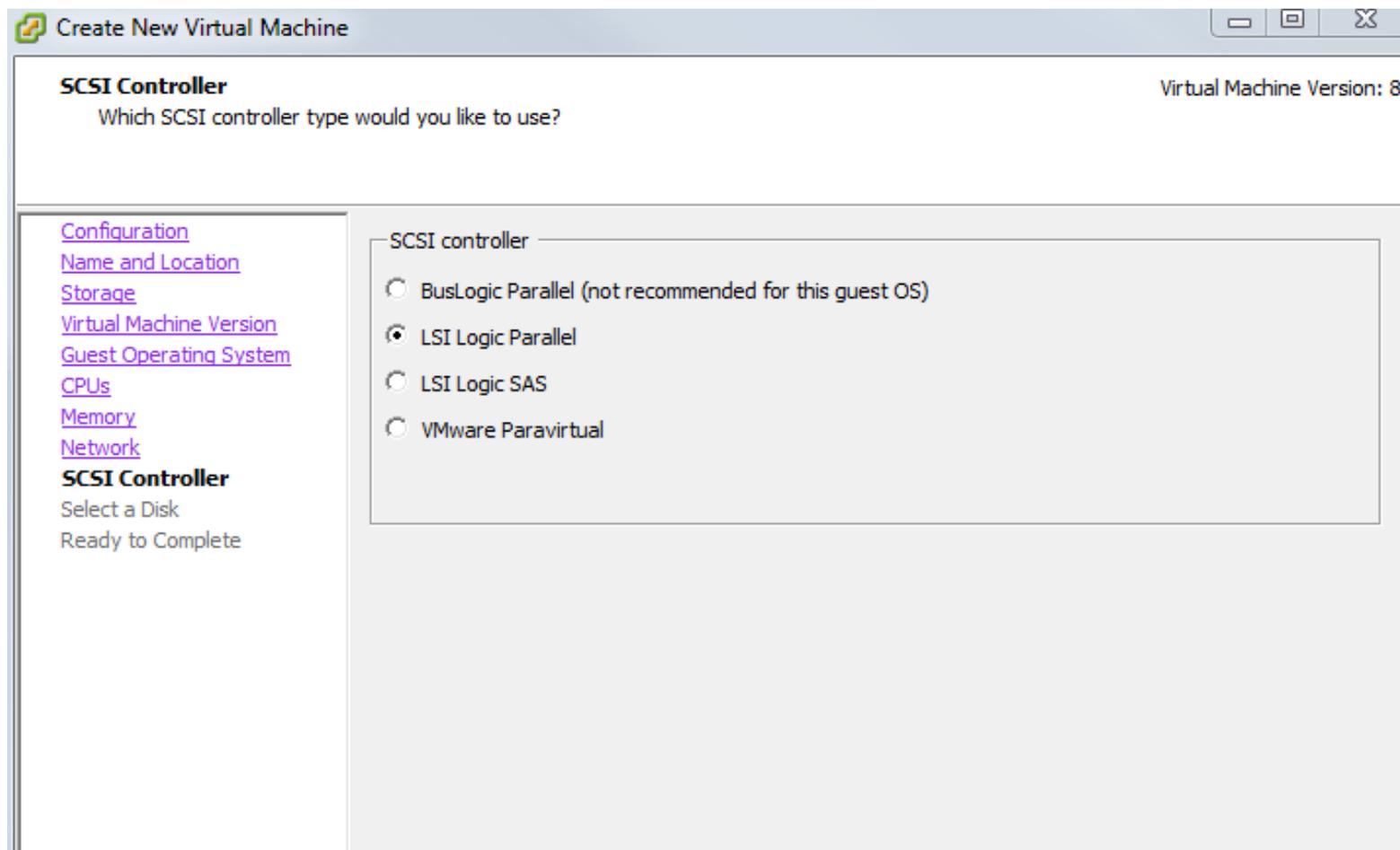
- Memory Size :  
SCM Express : <6 GB> , SCM Enterprise : <10 GB>
- <Next>

# 4. VMware Client Configuration – 9



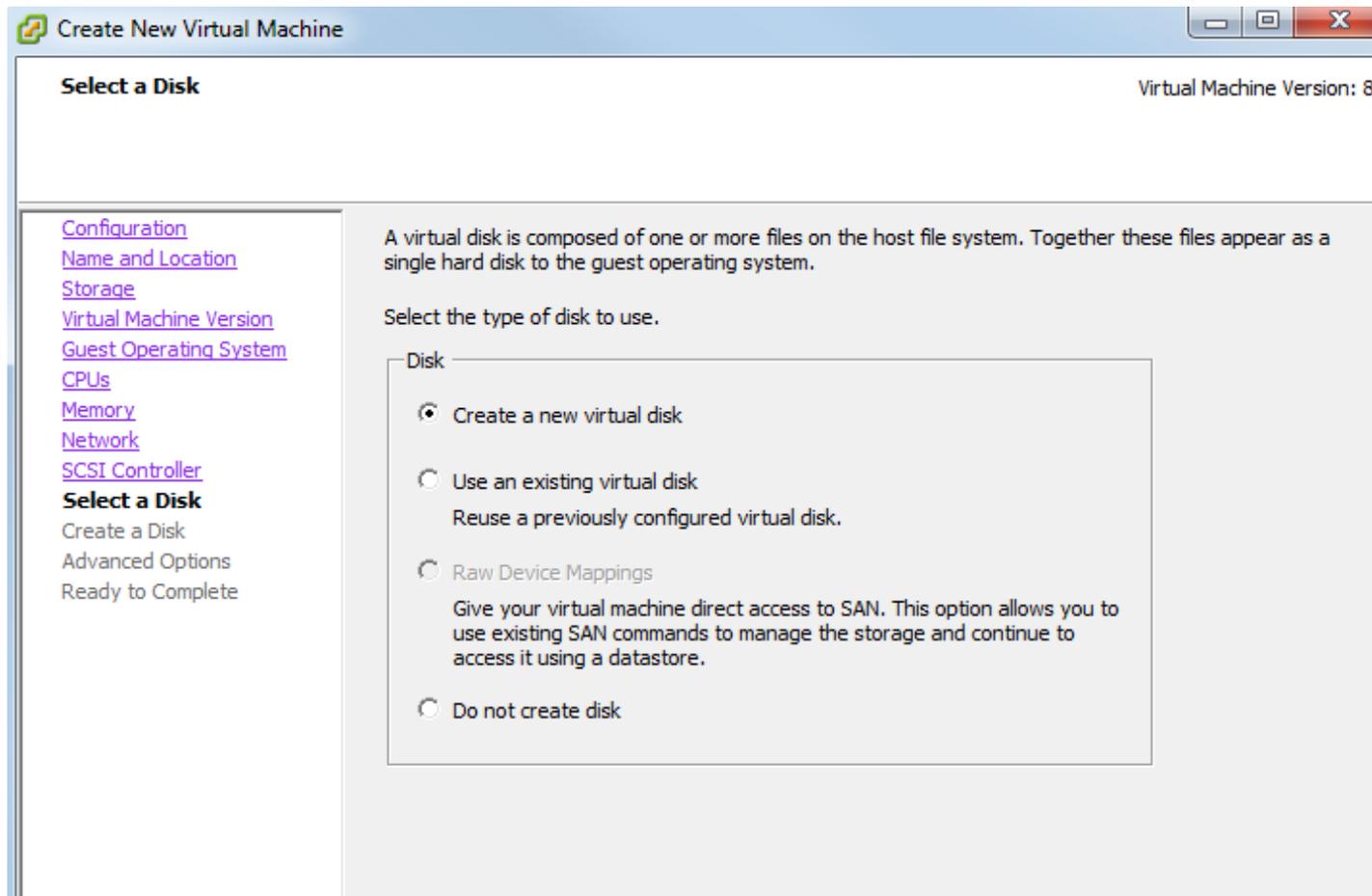
- Virtual Connection NIC <3>
- NIC 1~3 :  
Select virtual network adapters. (all same or three different)
- Adapter : <Flexible>
- <Next>

# 4. VMware Client Configuration – 10

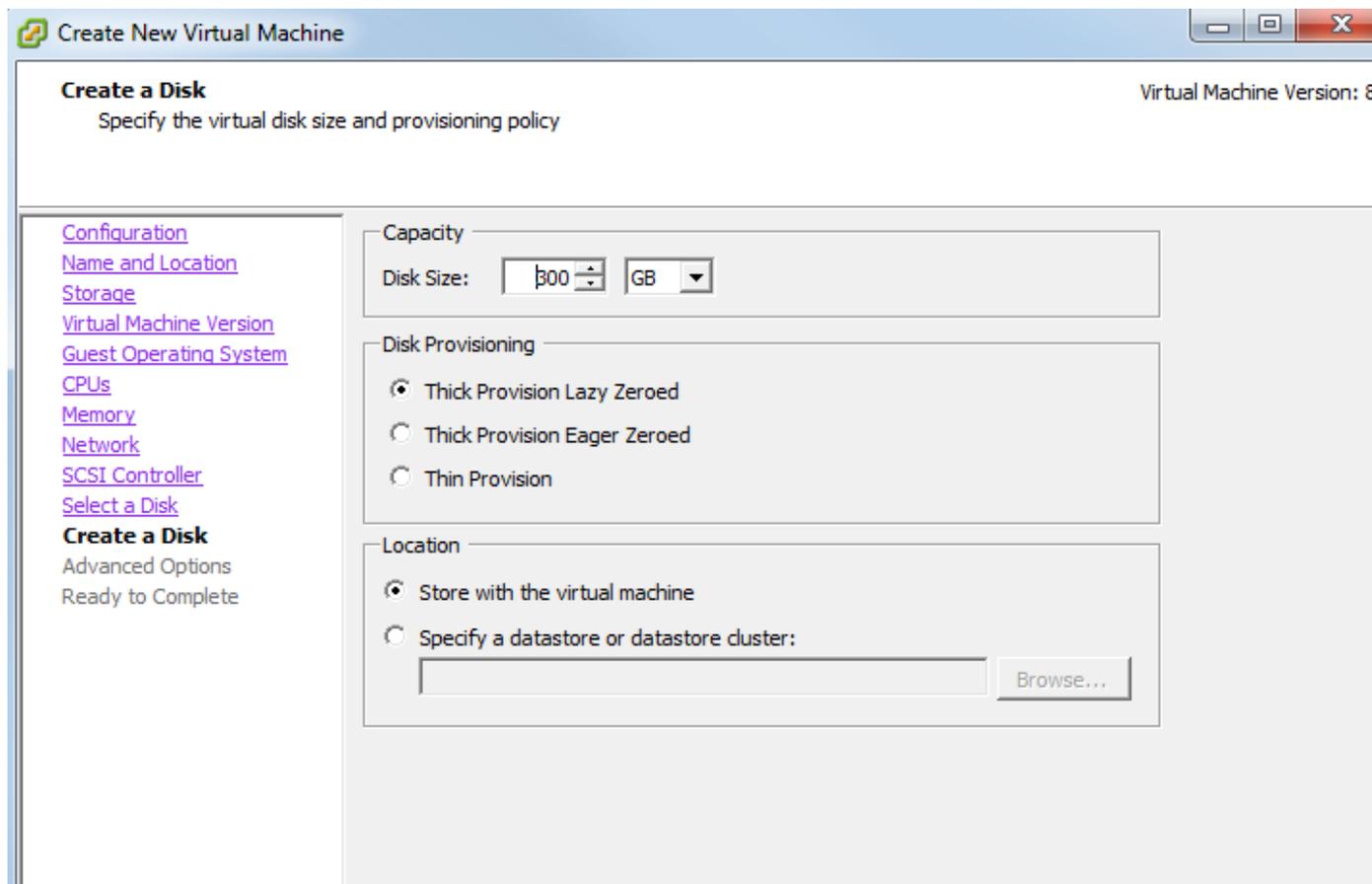


- SCSI controller <LSI Logic Parallel>
- <Next>

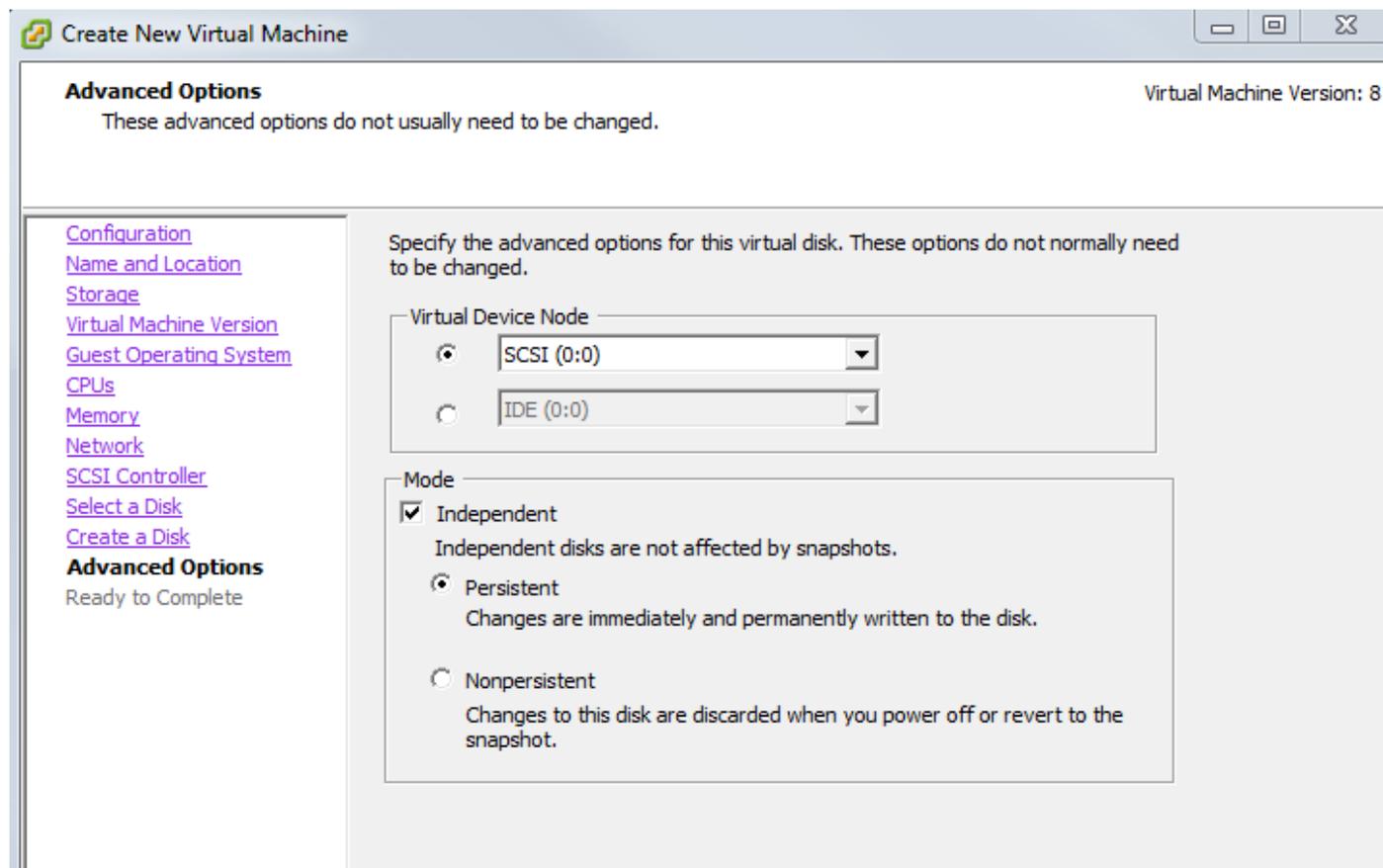
# 4. VMware Client Configuration – 11



- Select a Disk type: <Create a new virtual disk>
- <Next>

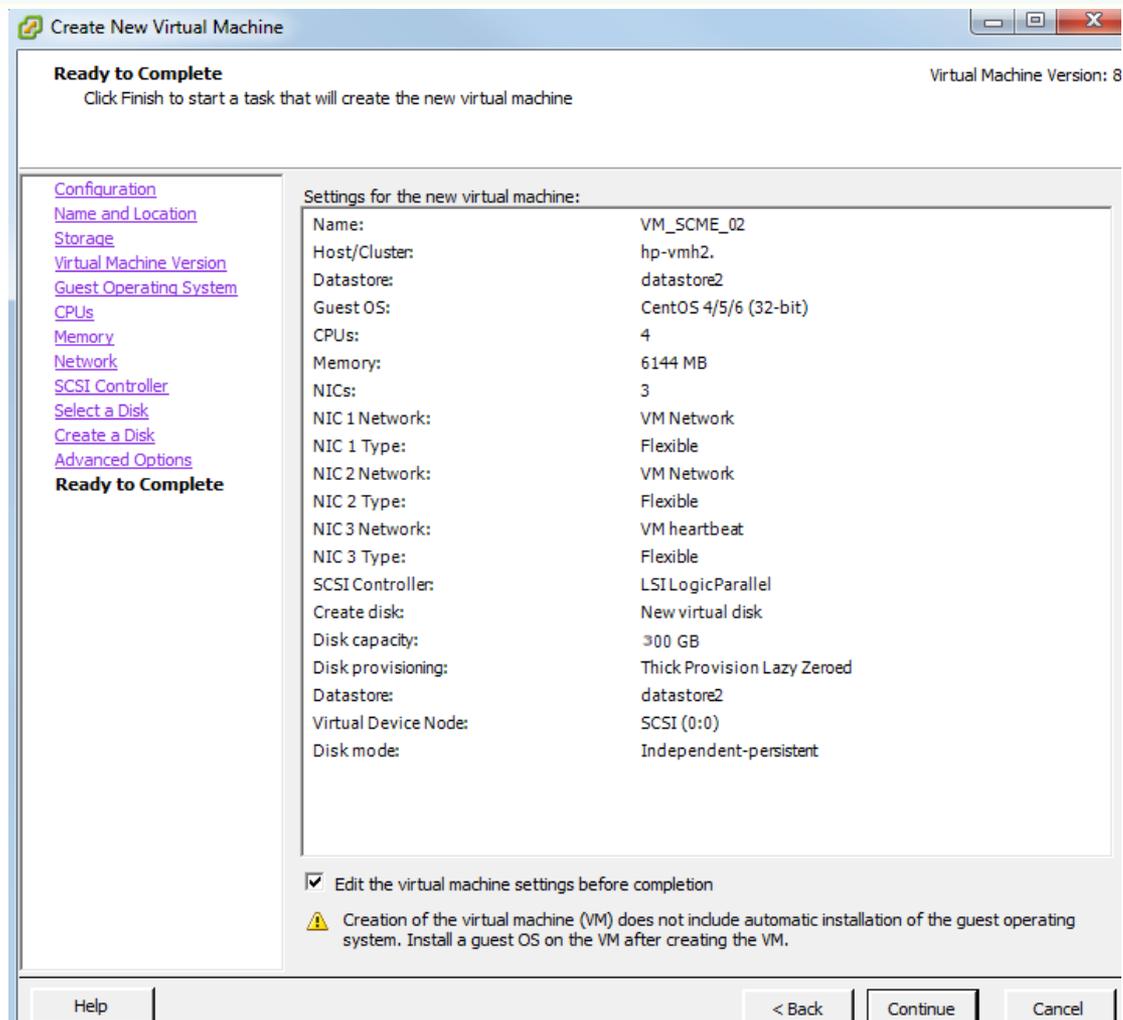


- Capacity : <300 GB>
- Disk Provisioning : <Thick Provision Lazy Zeroed>
- Location : <Store with the virtual machine>
- <Next>



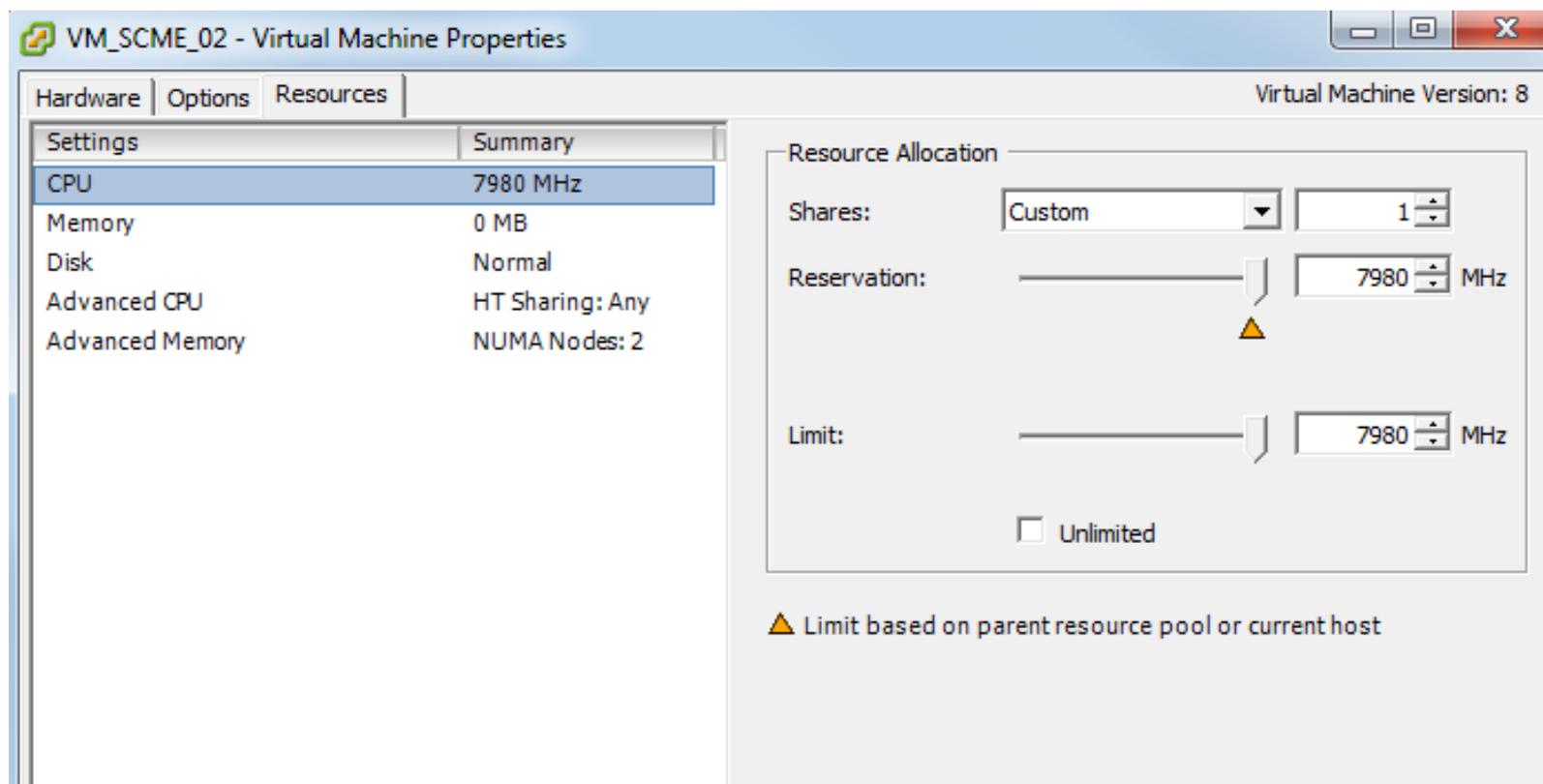
- Virtual Device Node : Maintain the default
- Mode : <Independent> -> <Persistent>
- <Next>

# 4. VMware Client Configuration – 14



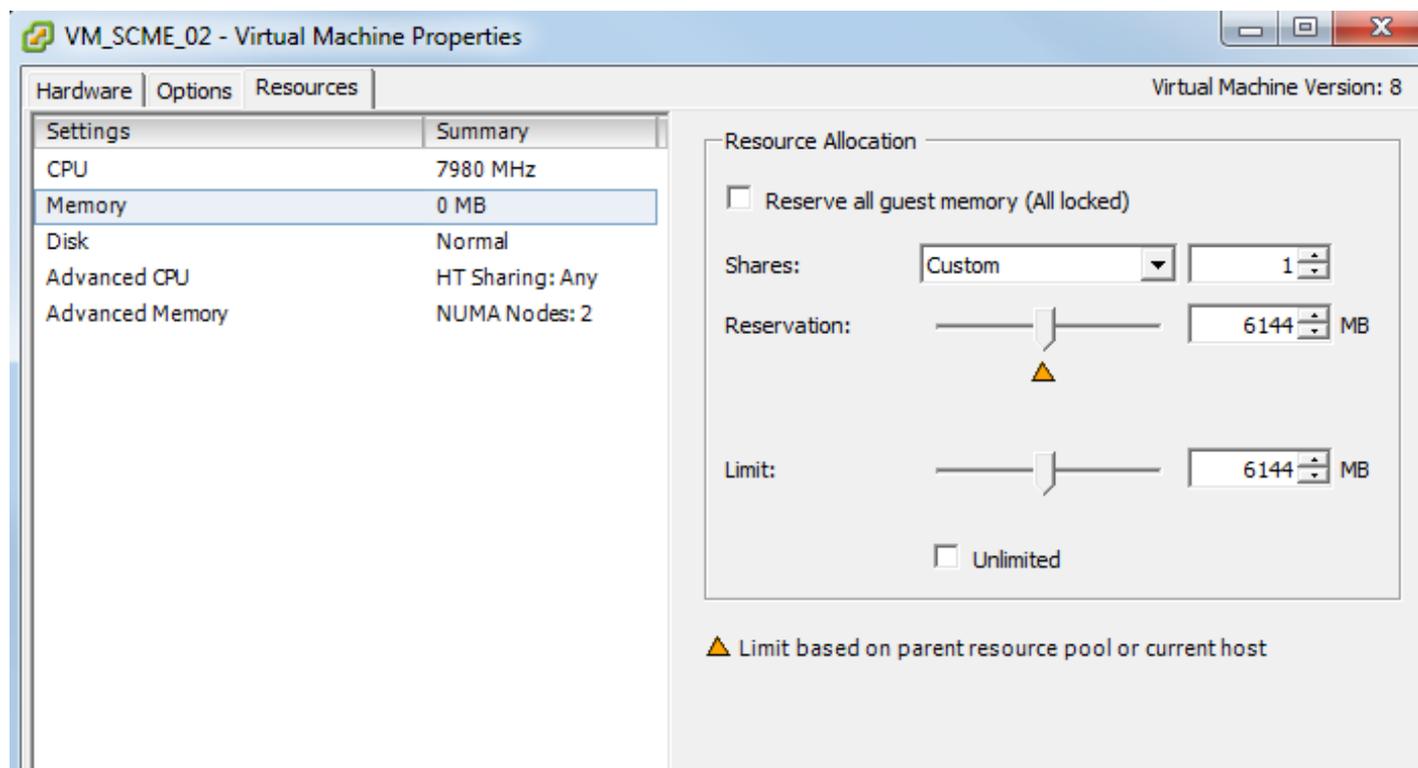
- Check <Edit the virtual machine settings before completion>
- <Next>

# 4. VMware Client Configuration – 15



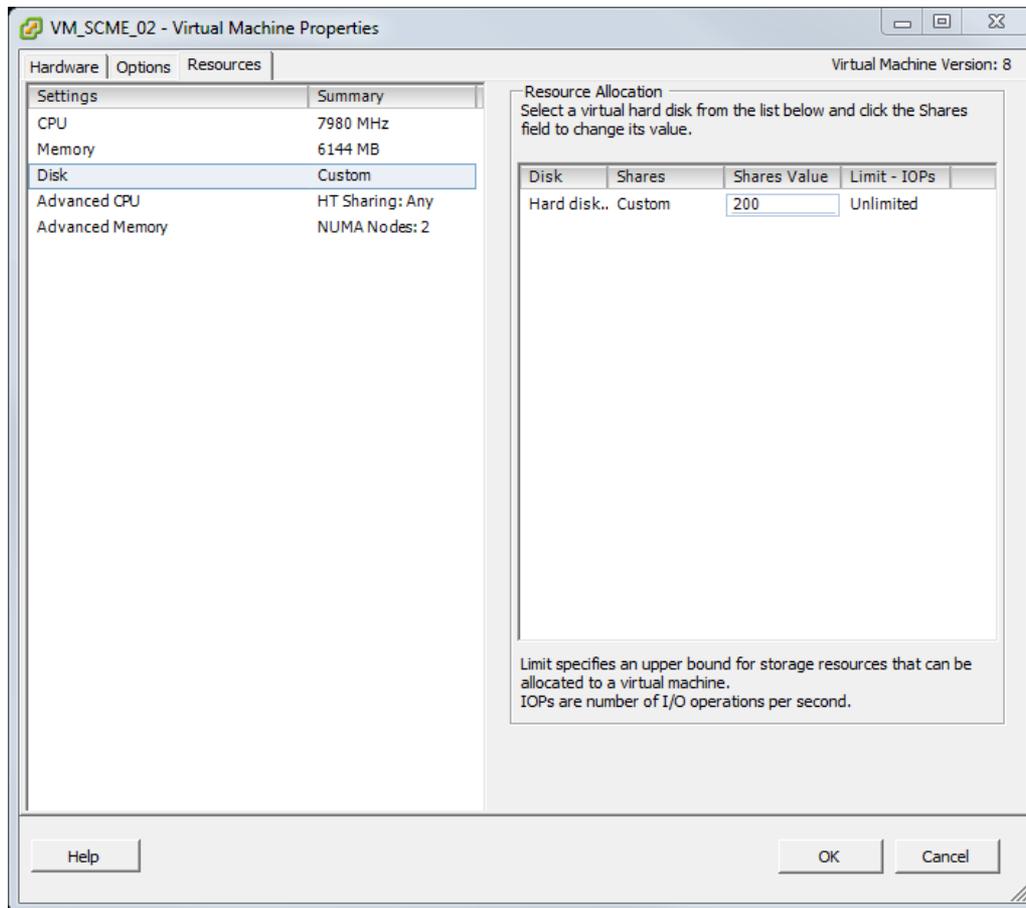
- Select Resource tab
- Select CPU resource
- Shares : Custom – 1
- Limit : Uncheck <Unlimited> and scroll the max MHz
- Reservation : Scroll the max MHz

# 4. VMware Client Configuration – 16



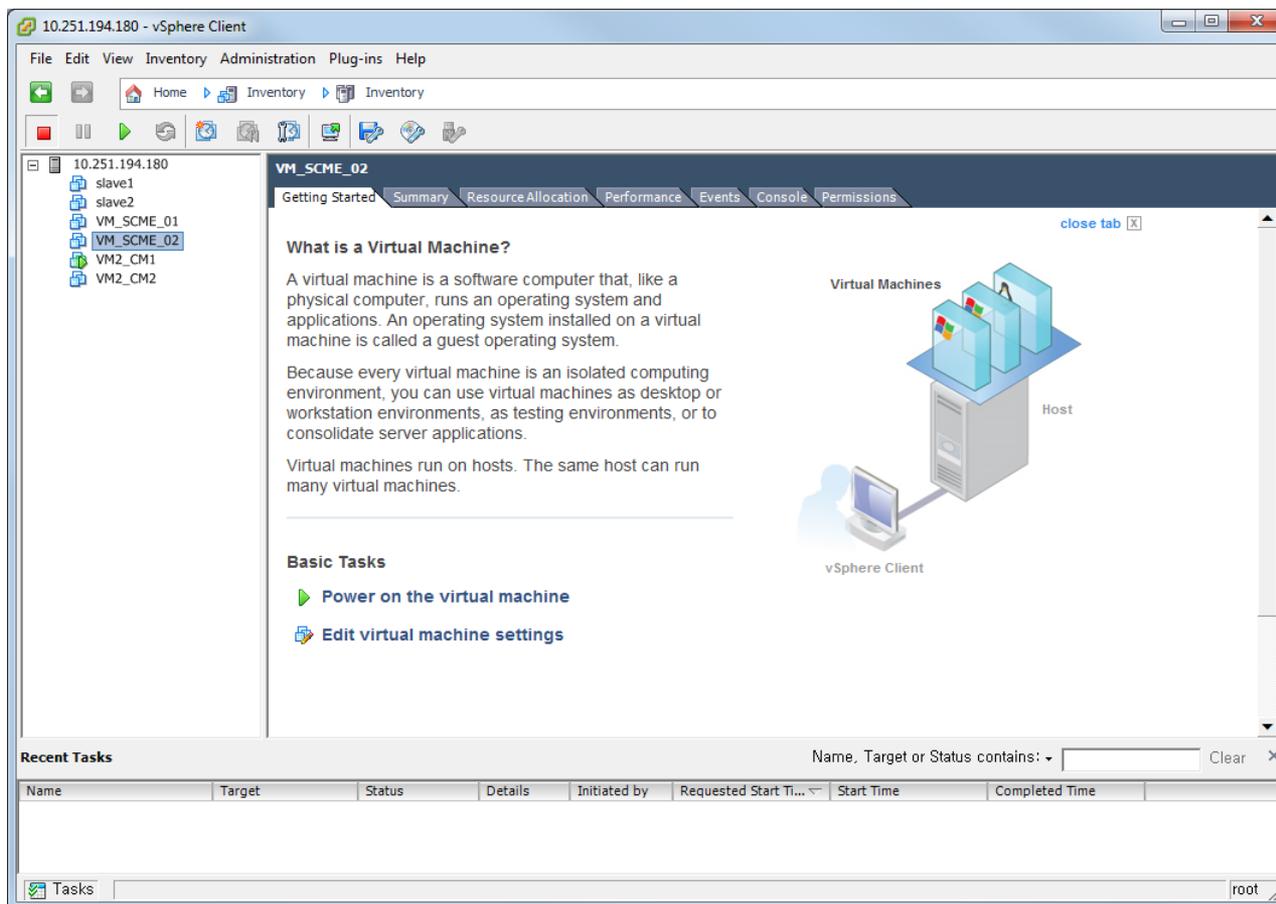
- Select Memory resource
- Shares : Custom – 1
- Reservation : Scroll the max MB
- Limit : Uncheck <Unlimited> and input <Reservation value>

# 4. VMware Client Configuration - 17



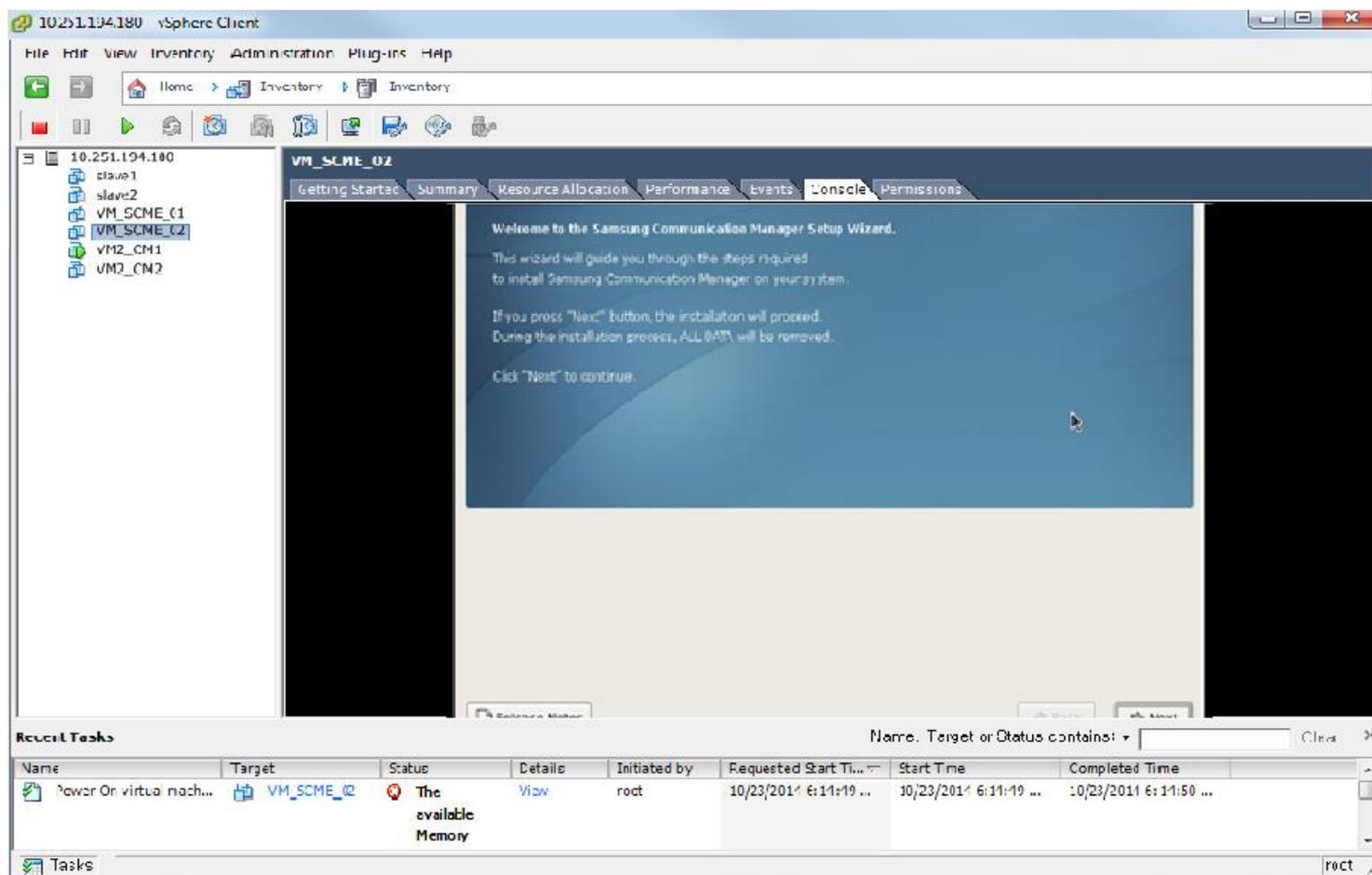
- Select Disk resource
- Shares : Custom
- Shares Value : 200
- <OK>

# 4. VMware Client Configuration – 18



- Power on virtual machine
- Select Console tab(Ctrl + Alt : Release console)
-  Icon click -> CD/DVD drive1 -> Connect to ISO image on local disk -> select SCME ISO image

# 4. VMware Client Configuration – 19



- Select Console tab
- Install SCME  
: See SCM Express\_Installation Manual