



# **Enterprise Standards and Best Practices for IT Infrastructure**

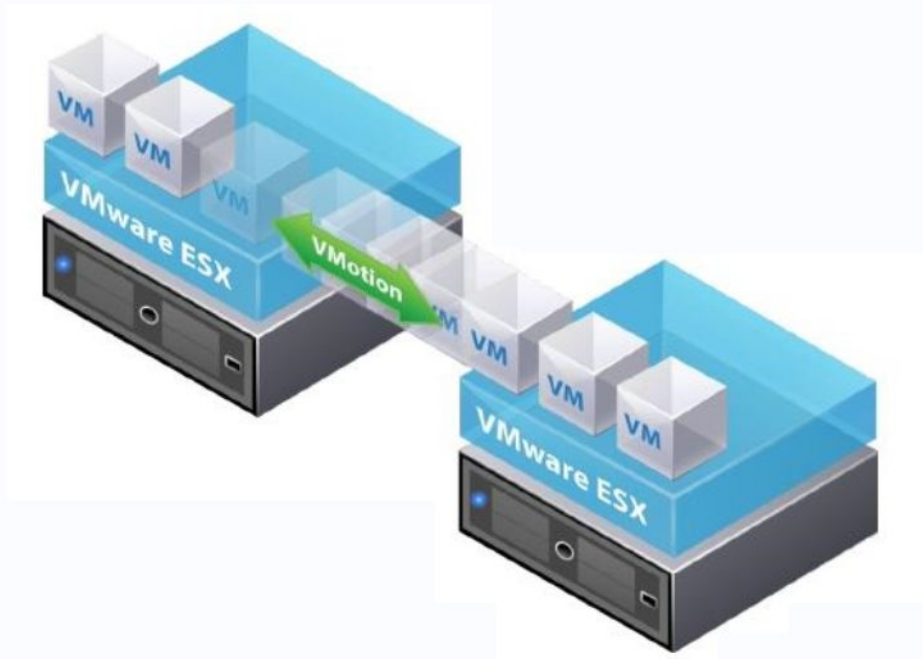
## **V-Motion**

**Denipitiya N.S.**

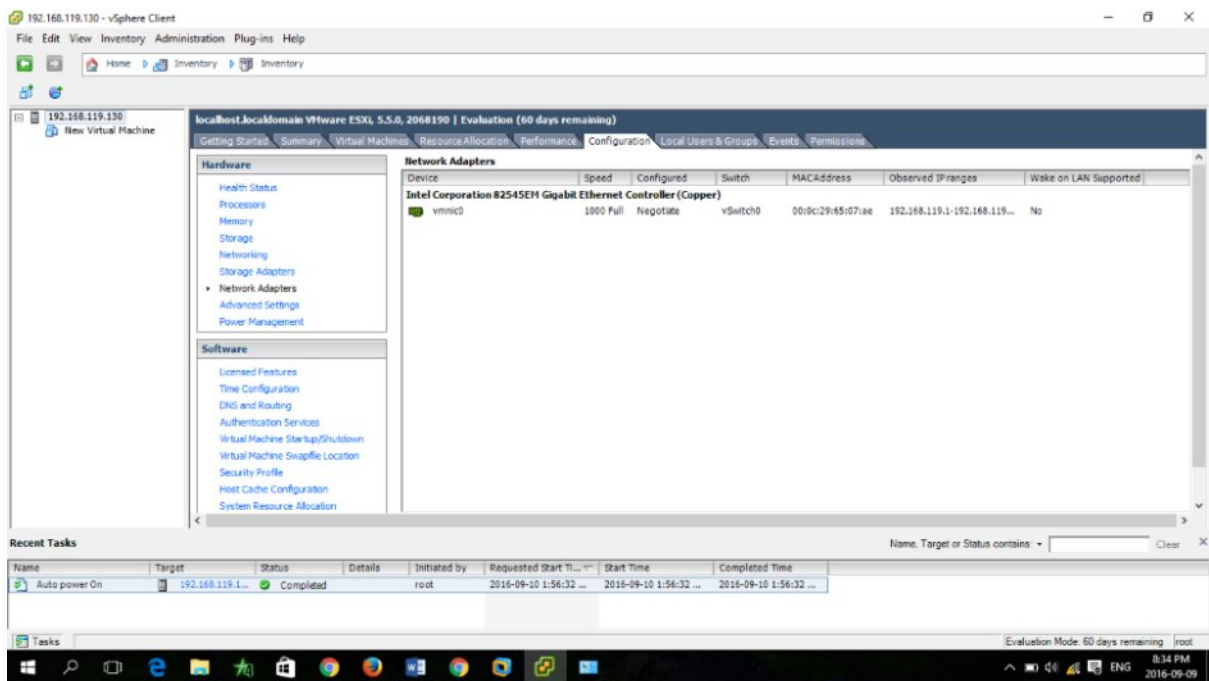
**IT 13103064**

## What is Vmotion?

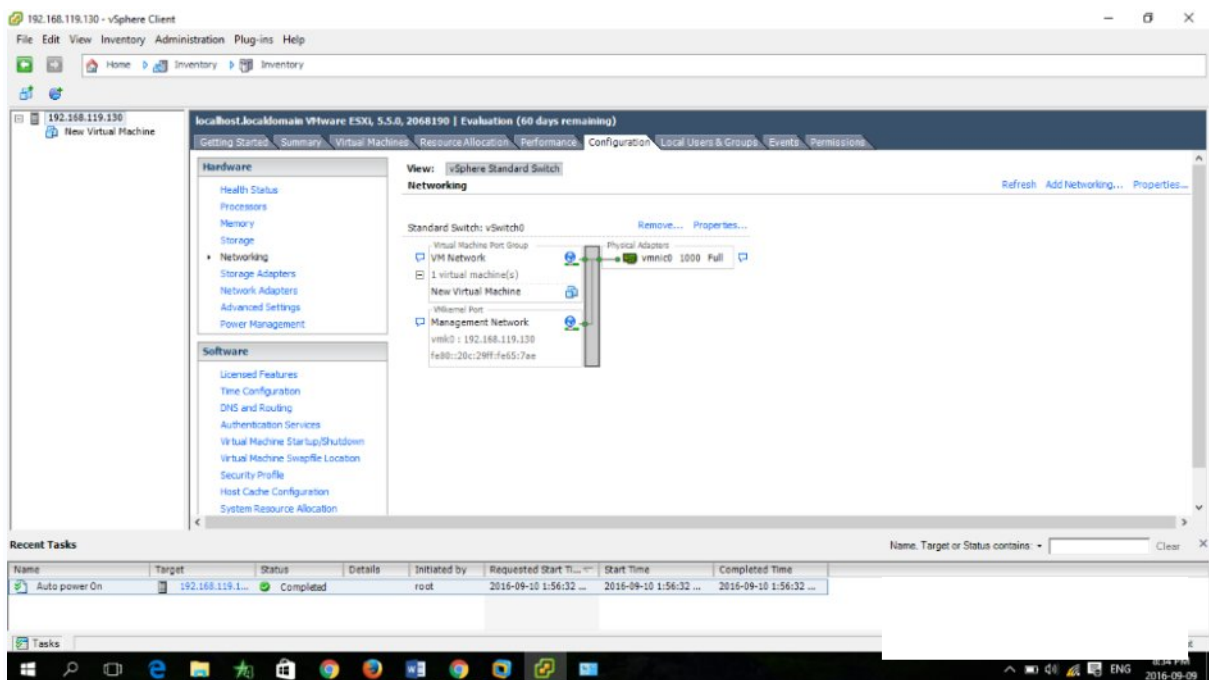
VMotion is feature of VMware's ESX servers where a virtual machine can be migrated from one ESX Server to another one with no application downtime.



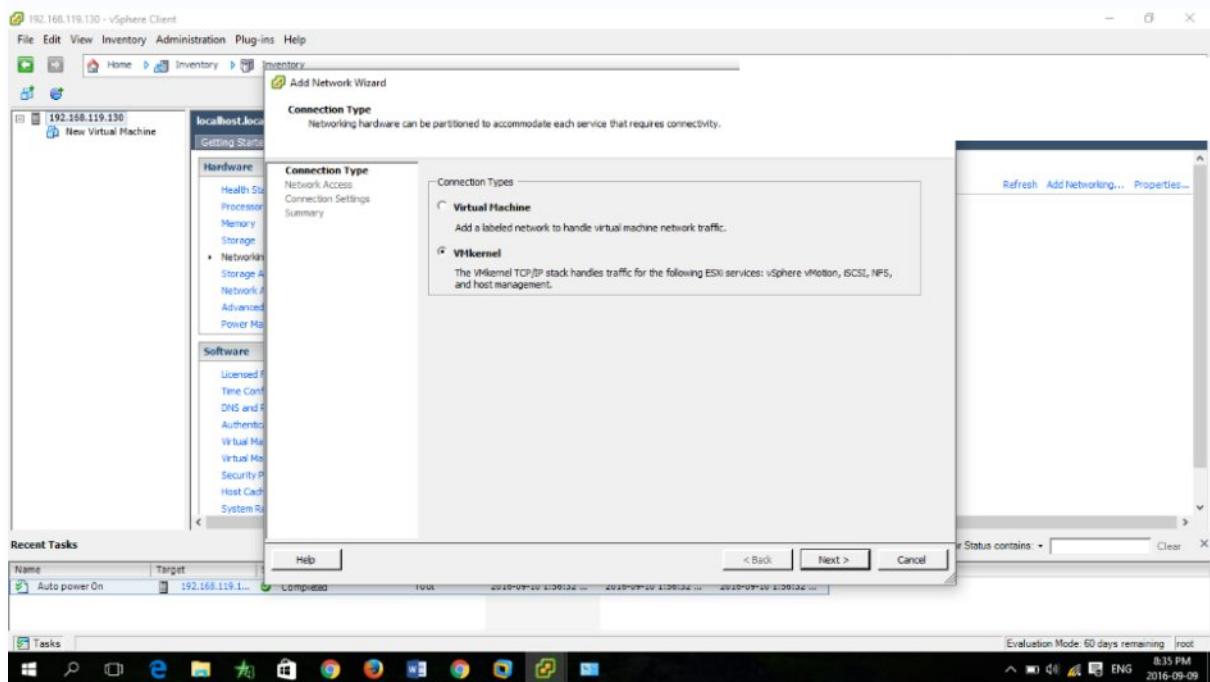
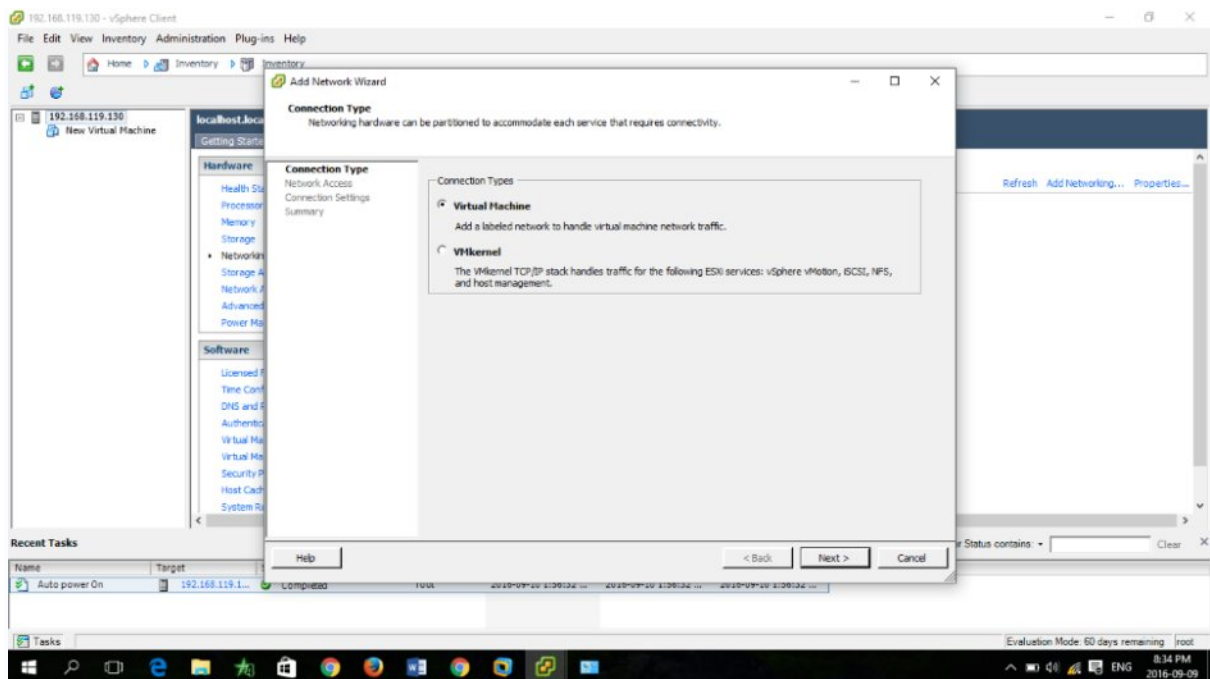
1. Go to Configuration tab and view the Network Adapters available.



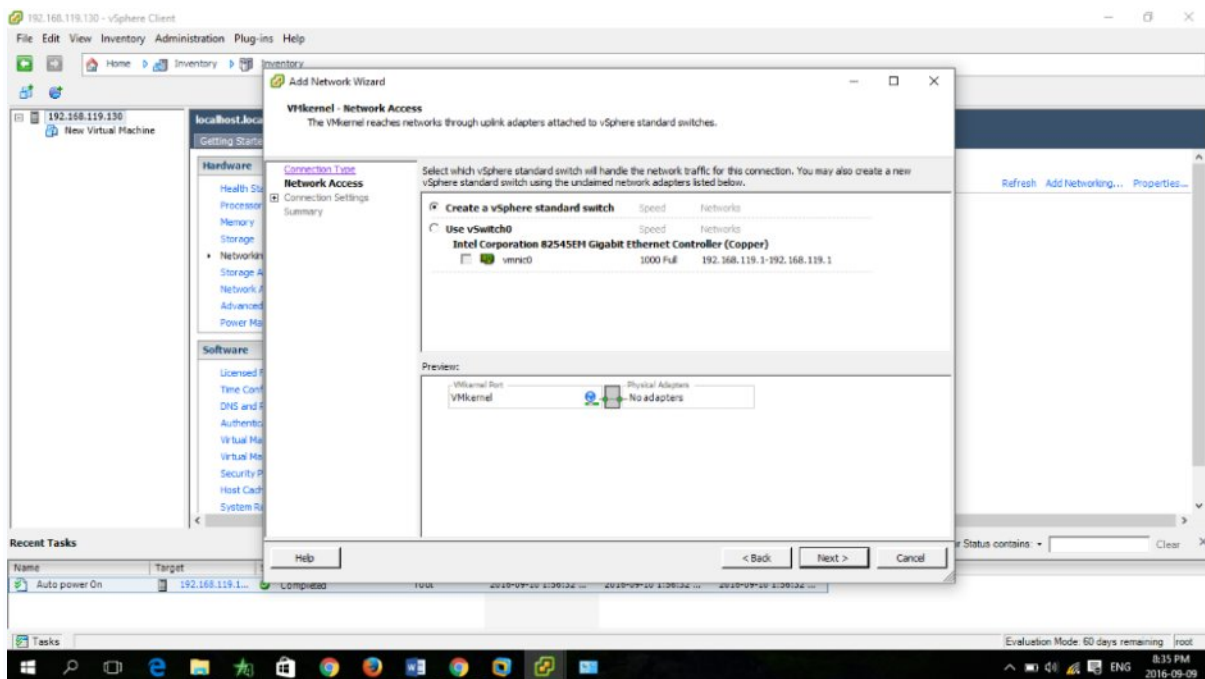
2. Go to network panel and click add



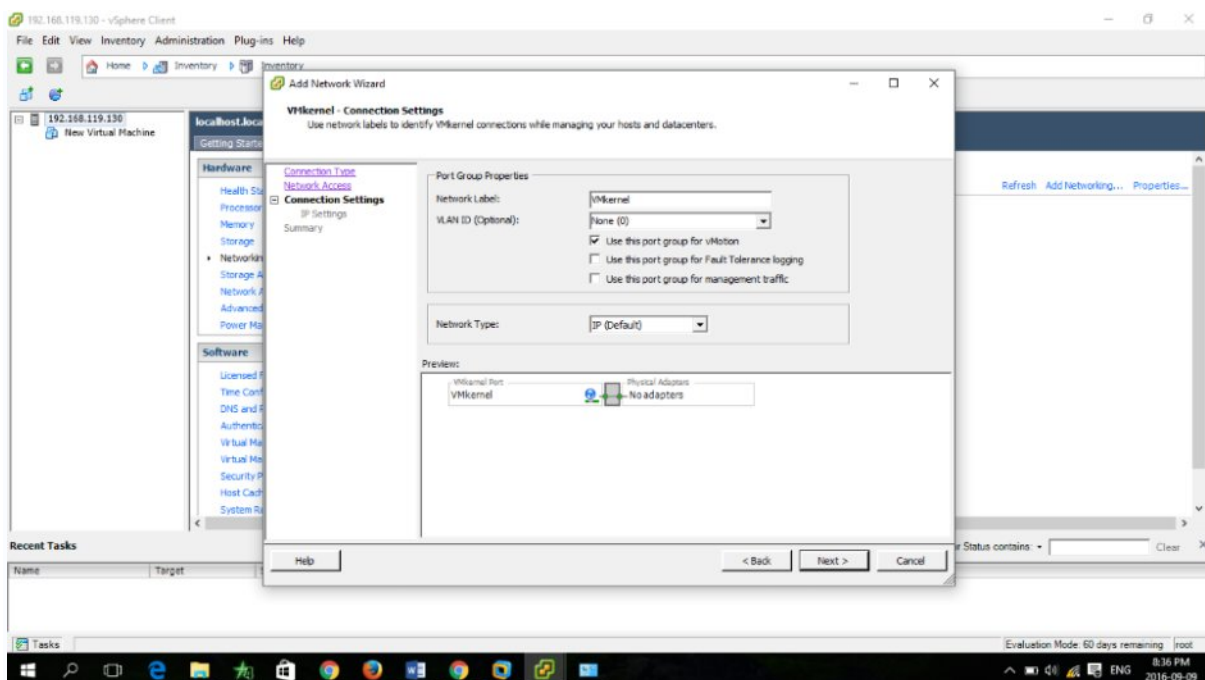
3. In the Connection type select the VMKernel type.



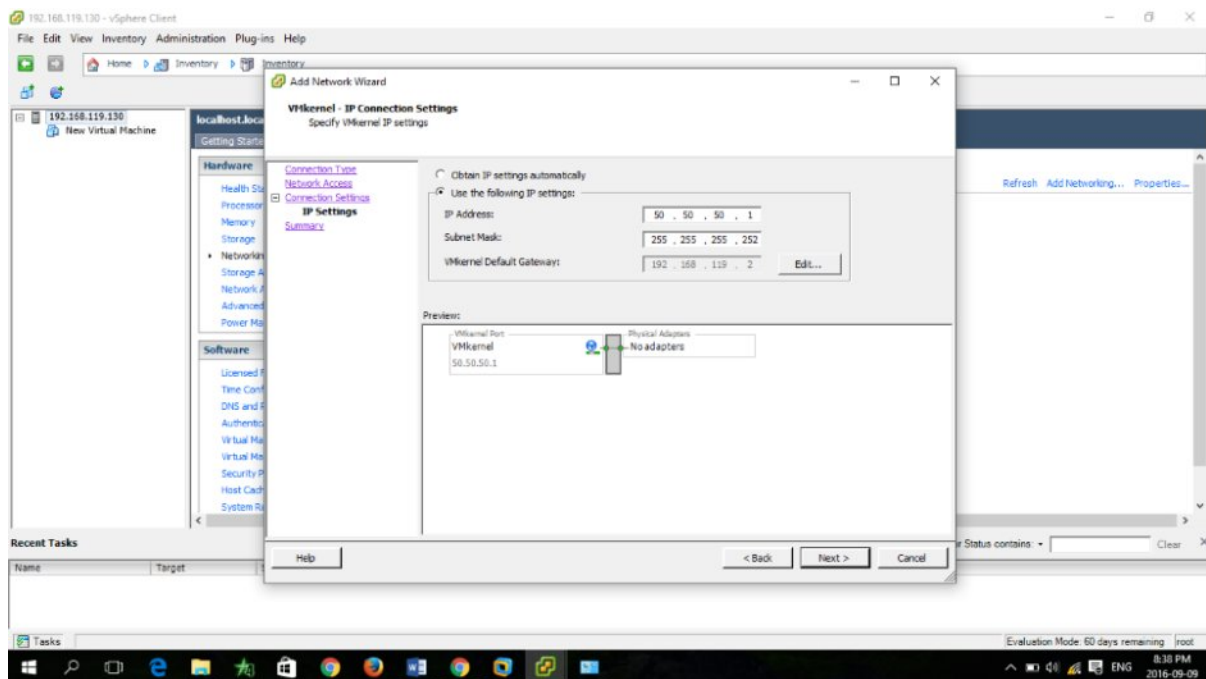
4. Create a vSphere standard switch in the Network Access step.



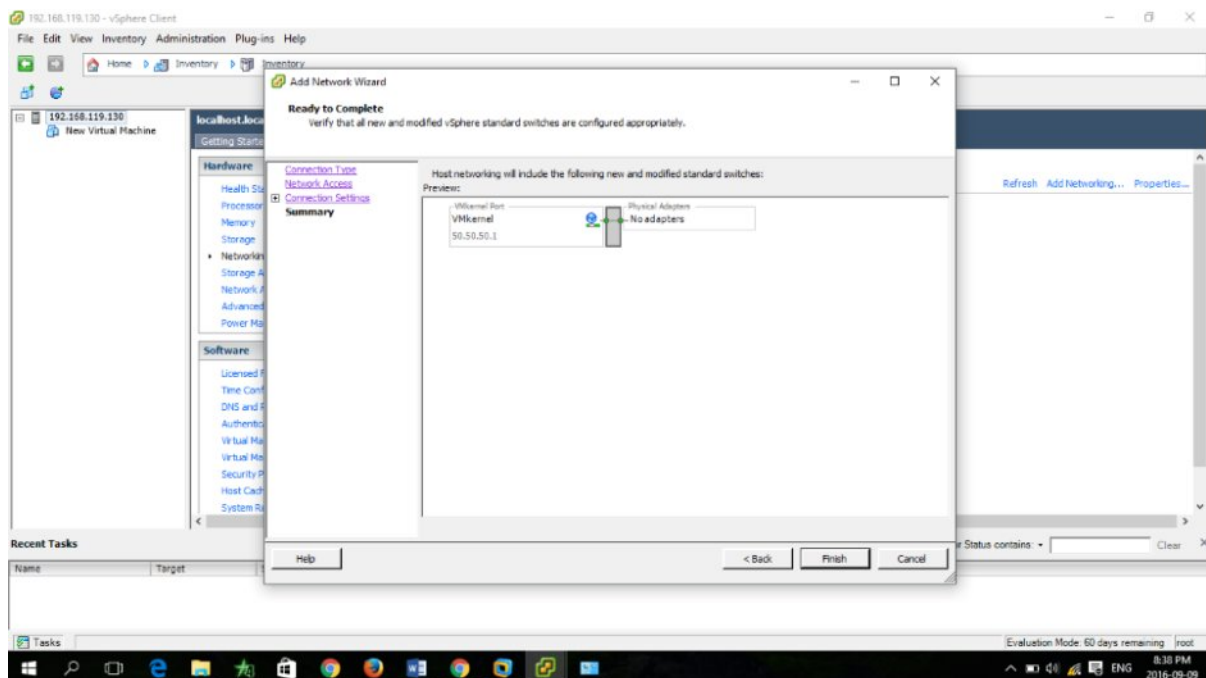
5. In the connection settings, give any network label and mark “Use this port group for vMotion”.

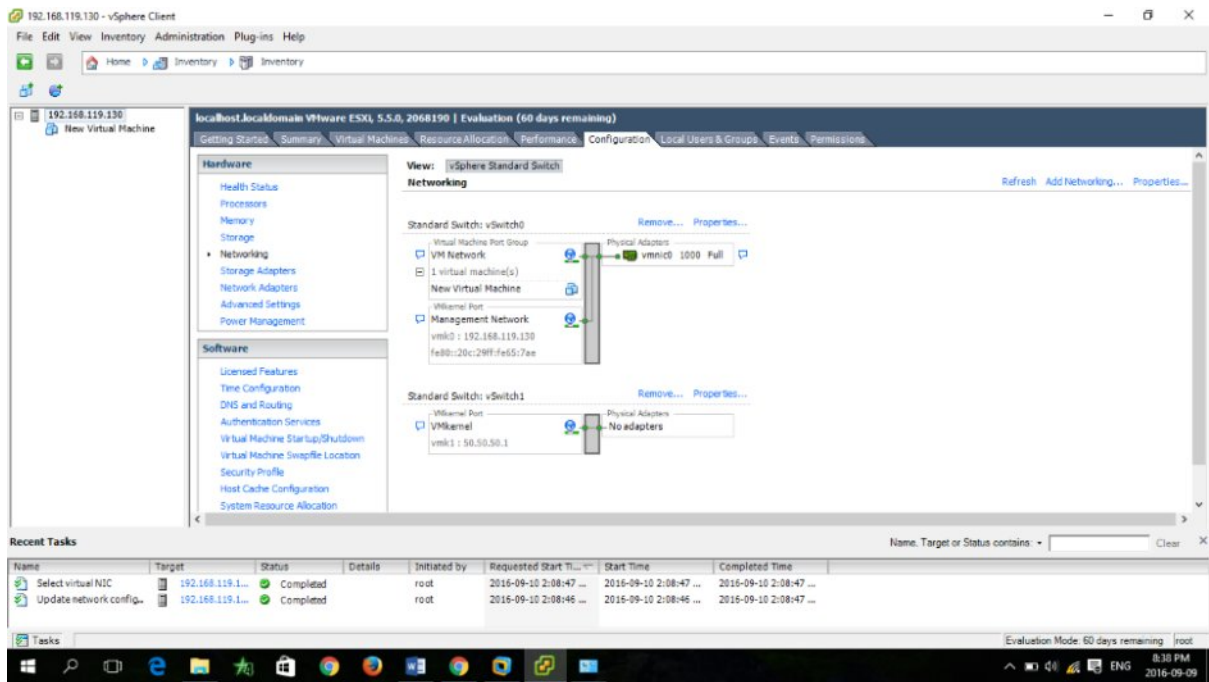


6. Configure the IP address and Subnet mask. In the IP address give two IP in same domain

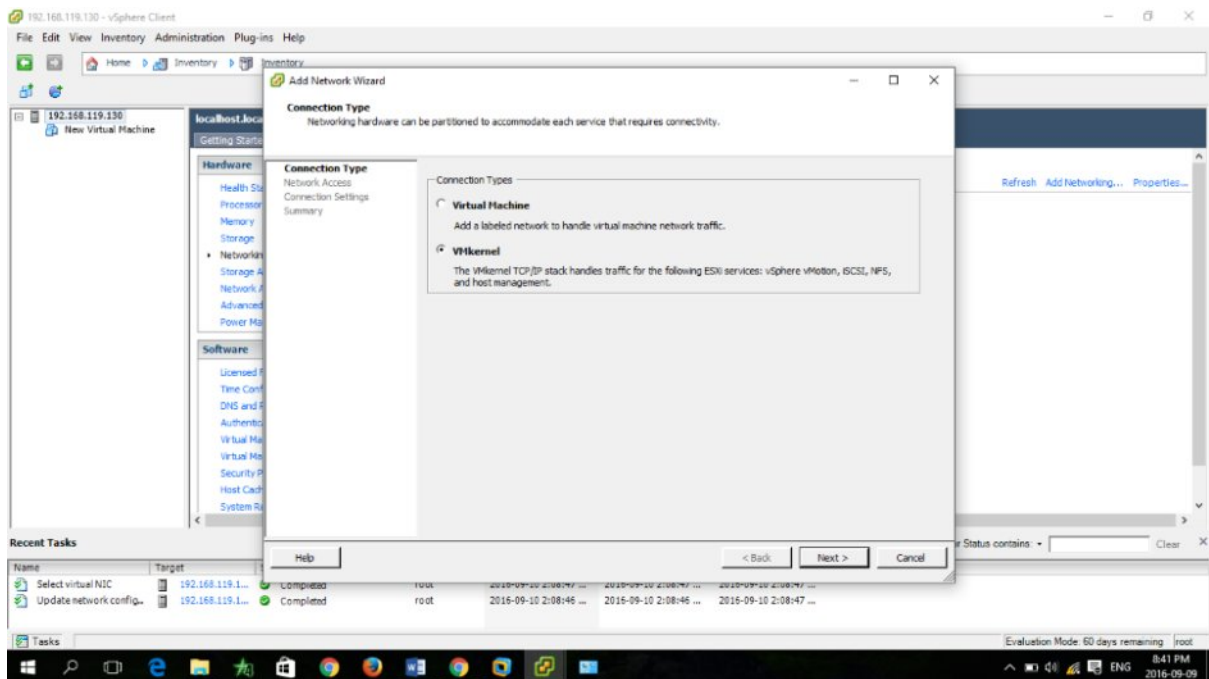


7. Create the vSphere standard switch 1



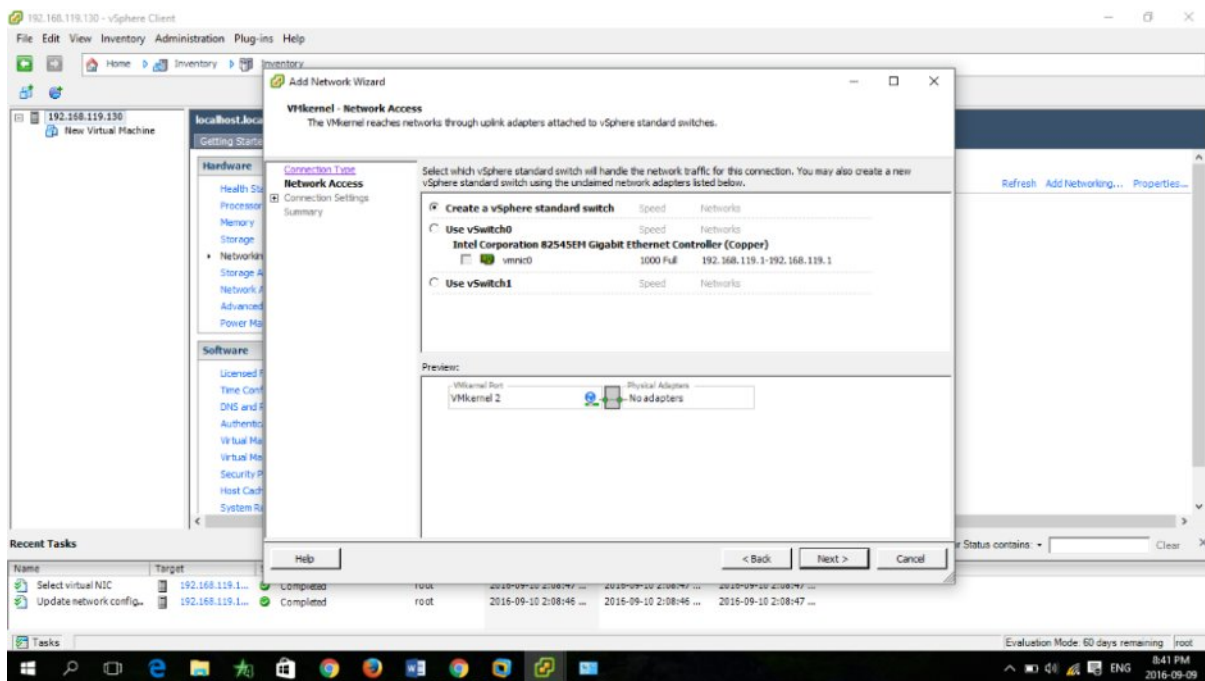


8. Click Add Networking again and select VMKernel from connection type

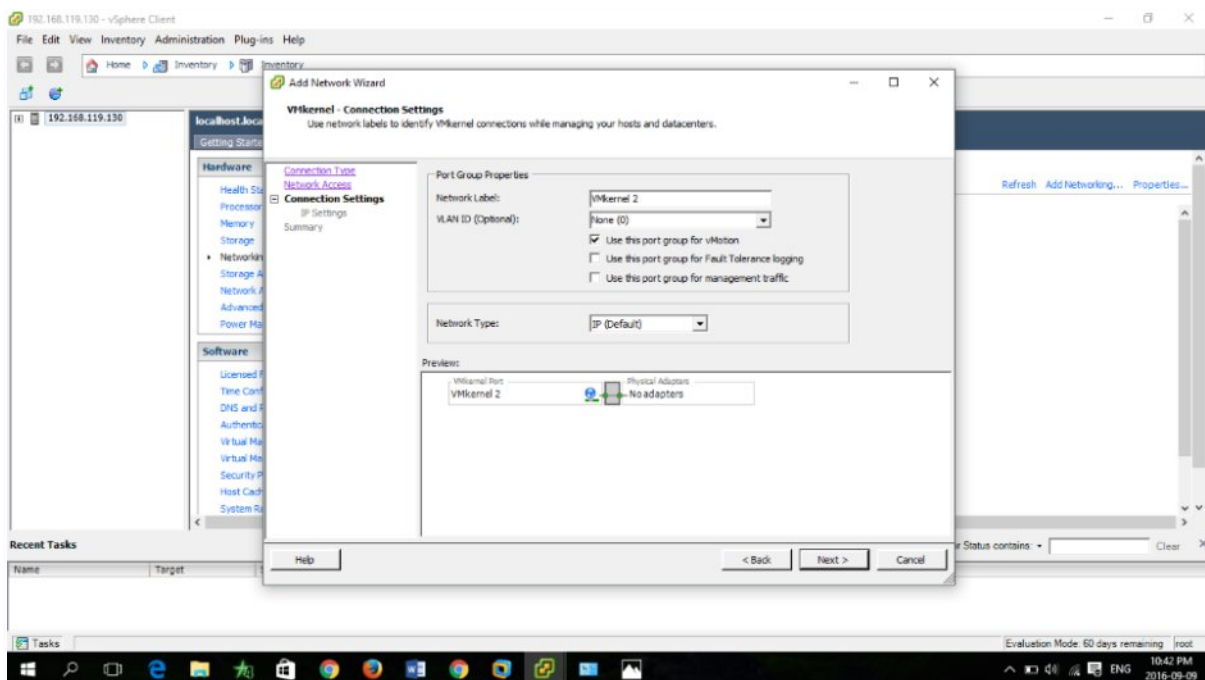




## 9. Create a vSphere standard switch in the Network Access step

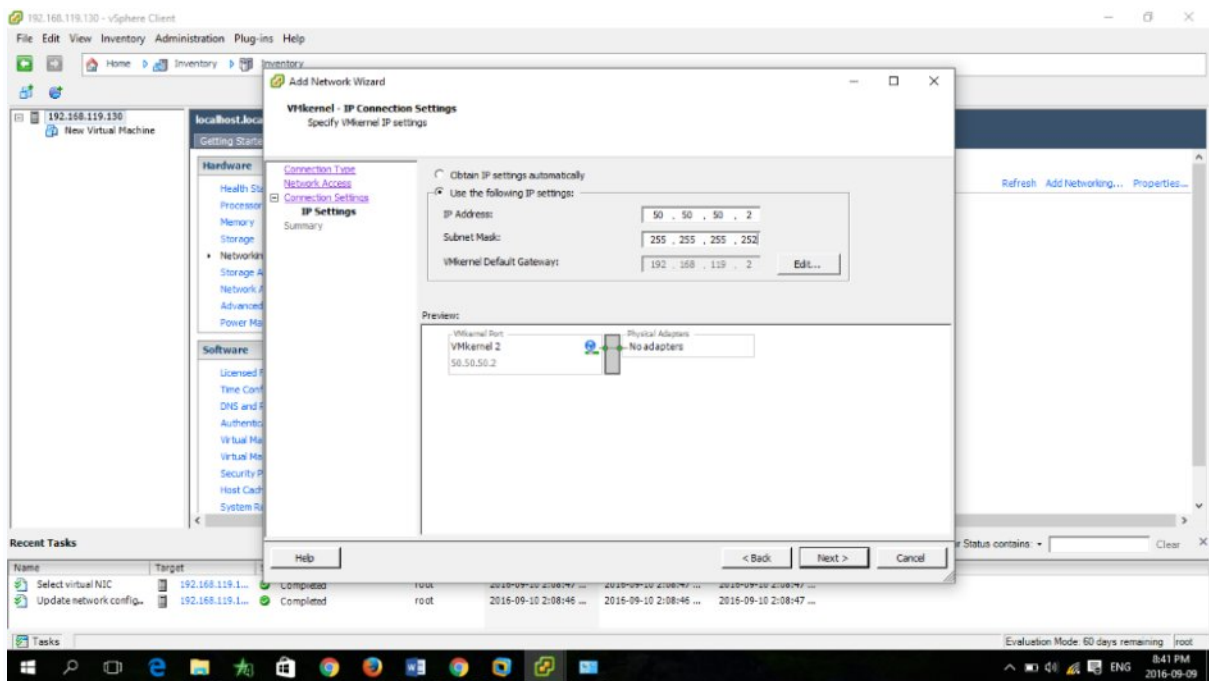


## 10. In the connection settings, give any network label and mark “Use this port group for vMotion”.

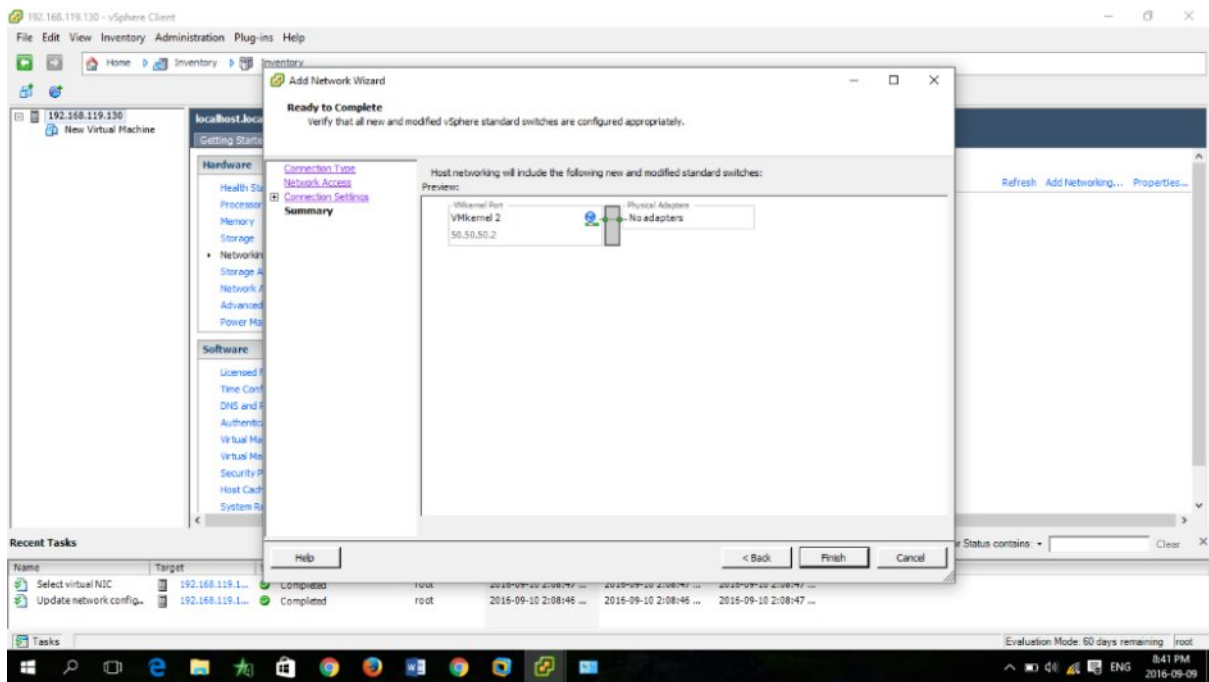


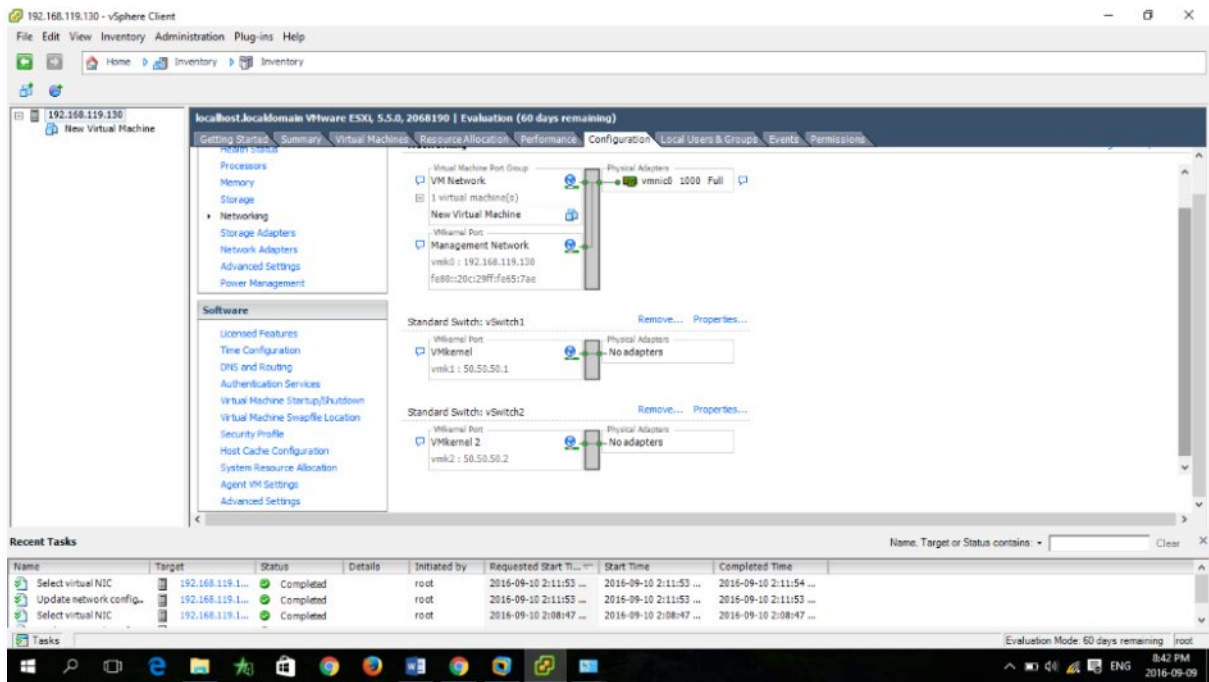


11. Configure the IP address and Subnet mask. In the IP address give two IP in same domain

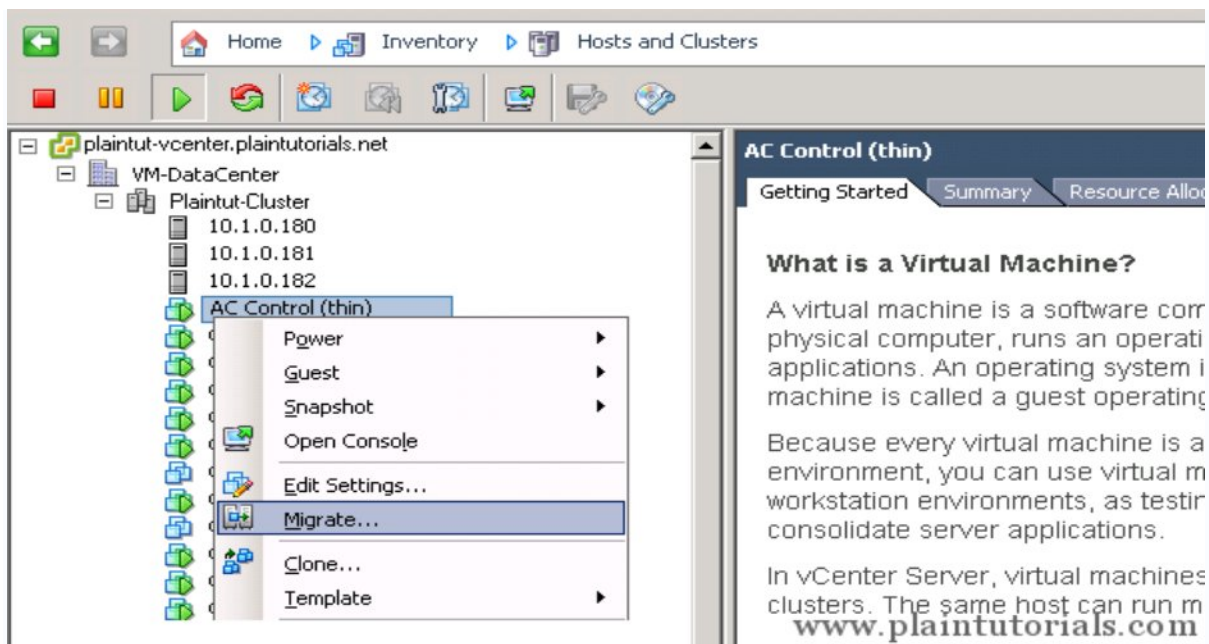


12. Create the vSphere standard switch 2





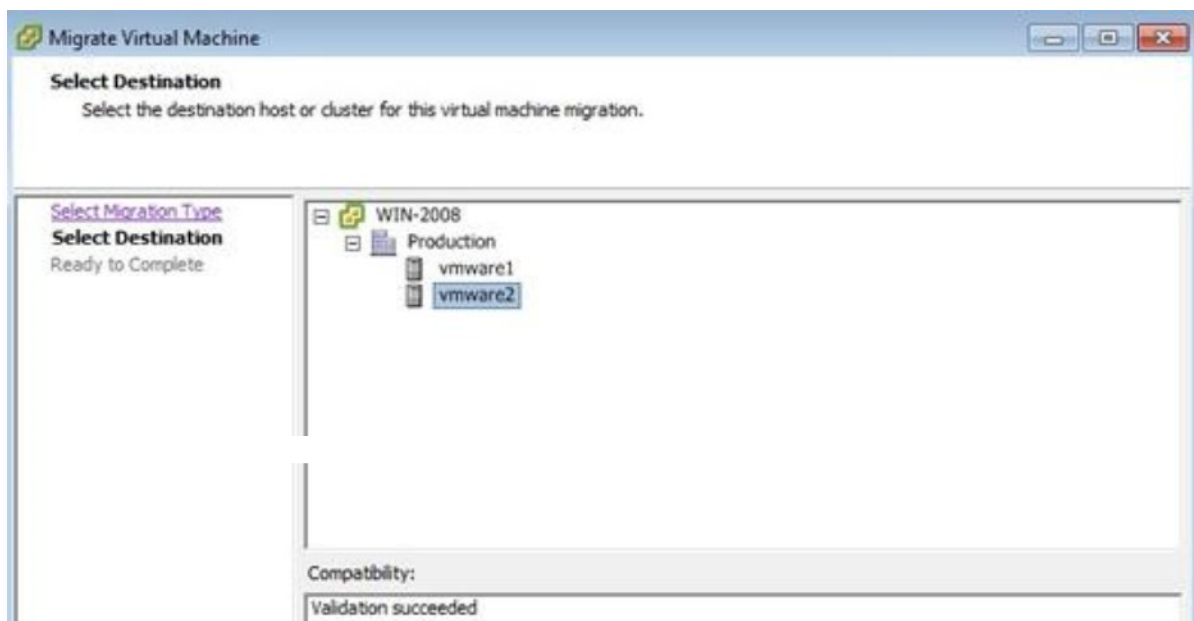
13. Select the created virtual machine and click Migrate



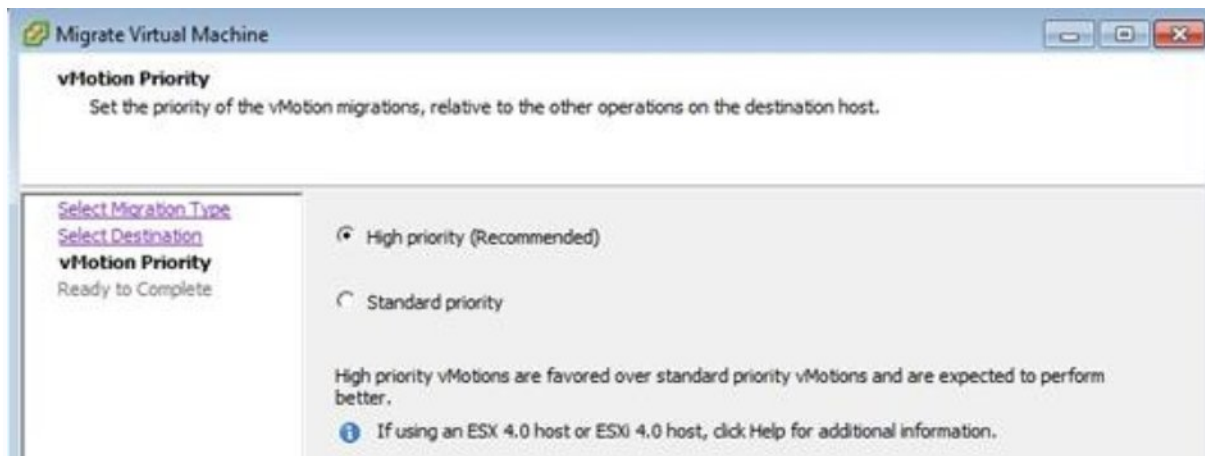
#### 14. Select the Migration type as Change Host



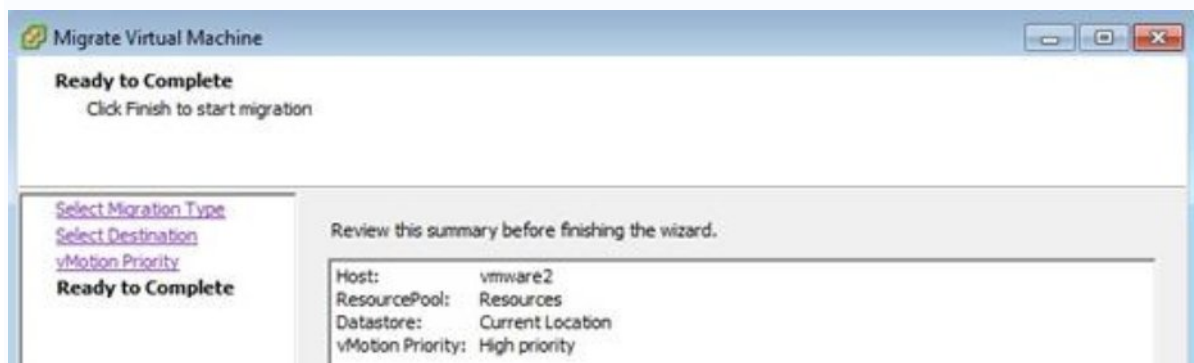
#### 15. Select the Destination to move the Virtual Machine






## 16. Set the priority of the vMotion migration as Recommended High Priority



## 17. Ready to complete the Migration



## 18. Migration Complete

Recent Tasks			
Name	Target	Status	Details
 Migrate virtual machine	 MRVC01	14% 	Migrating the active state of Virtual Machine