



Sri Lanka Institute of Information Technology

Enterprise Standards and Best Practices for IT Infrastructure

Semester 2 –Year 4

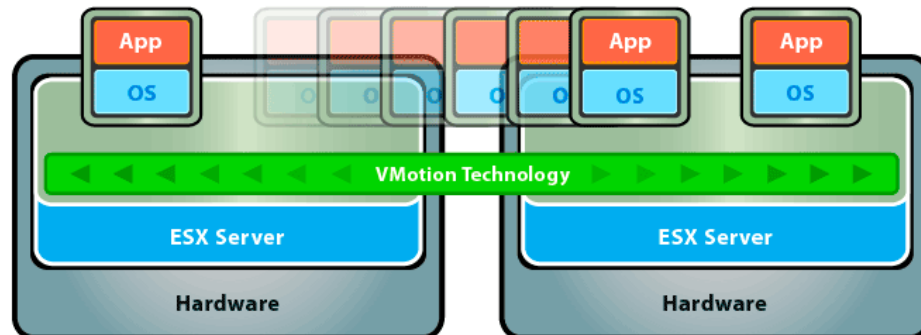
Practical Session - vMortion

Group Member List :

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1. What is vMotion Migration?

A vMotion migration moves a powered-on virtual machine from one host to another

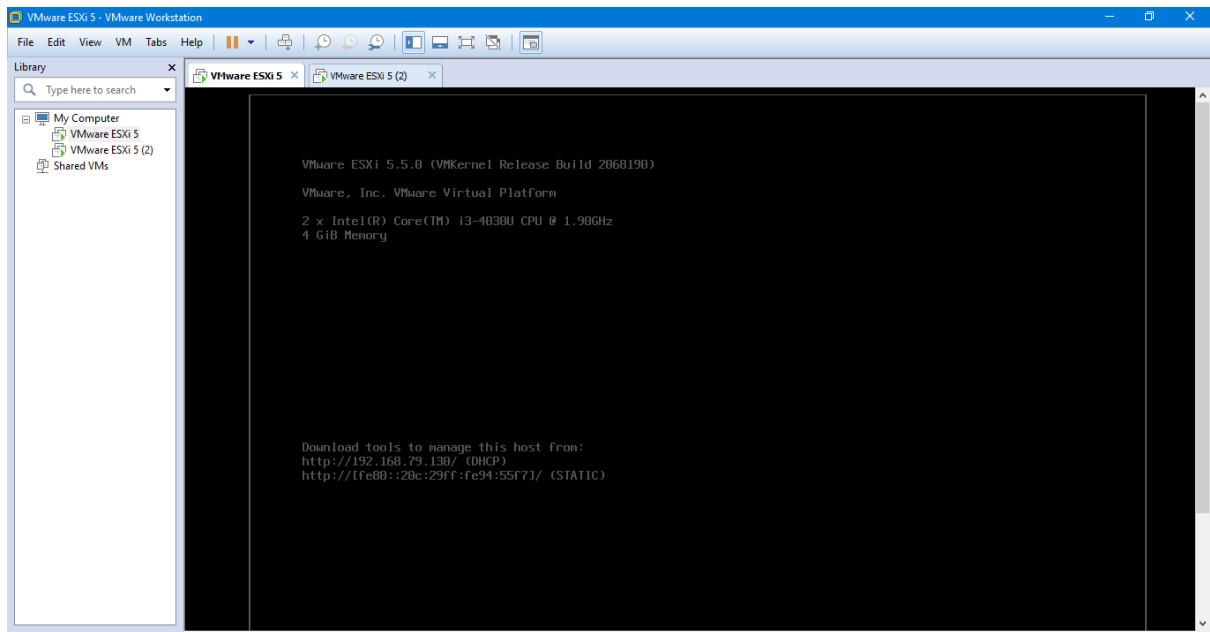


2. Usages of vMotion?

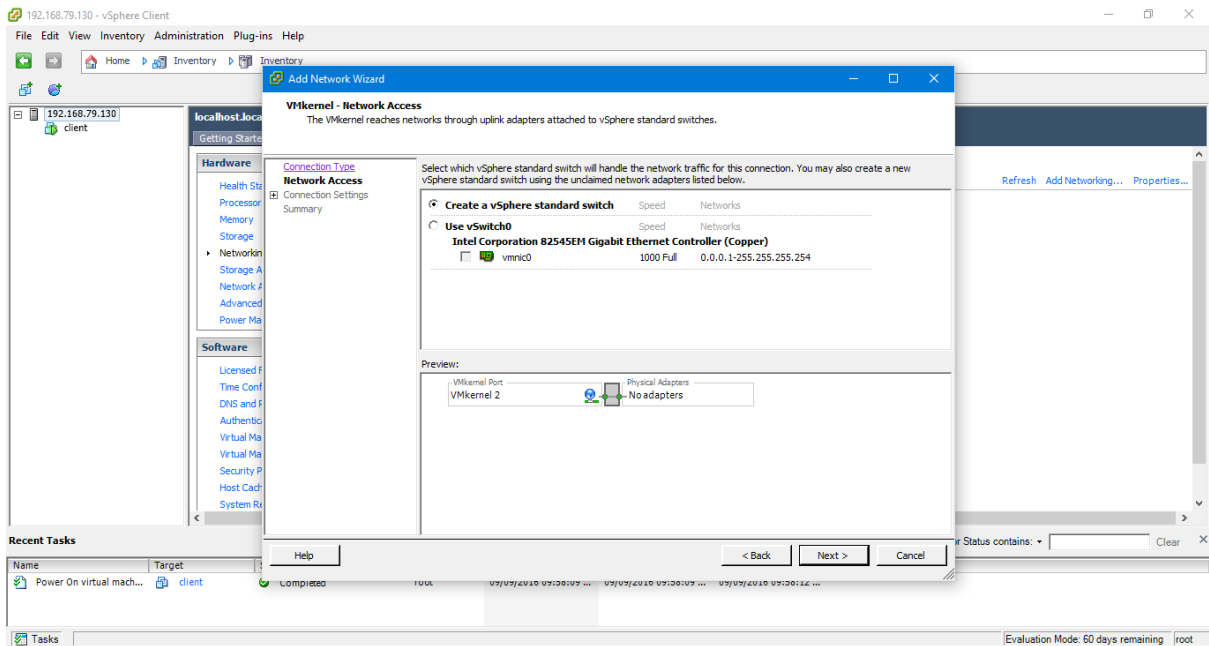
- Allow vSphere DRS to balance virtual machine across host
- Improve hardware utilization
- Zero down time

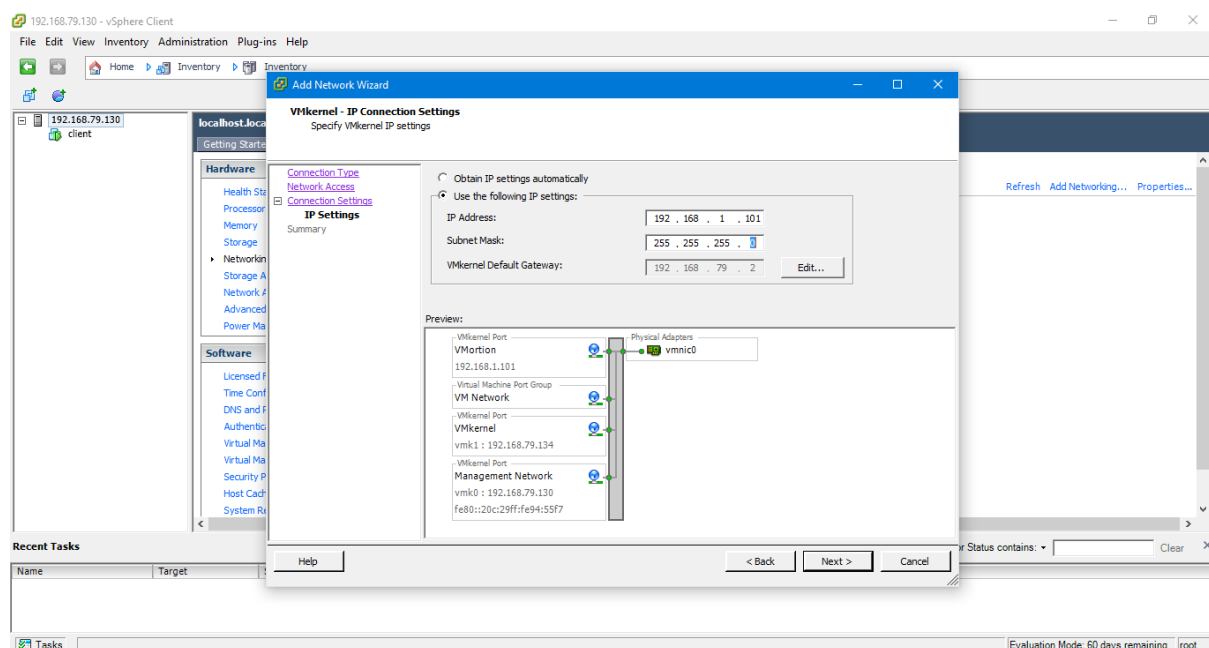
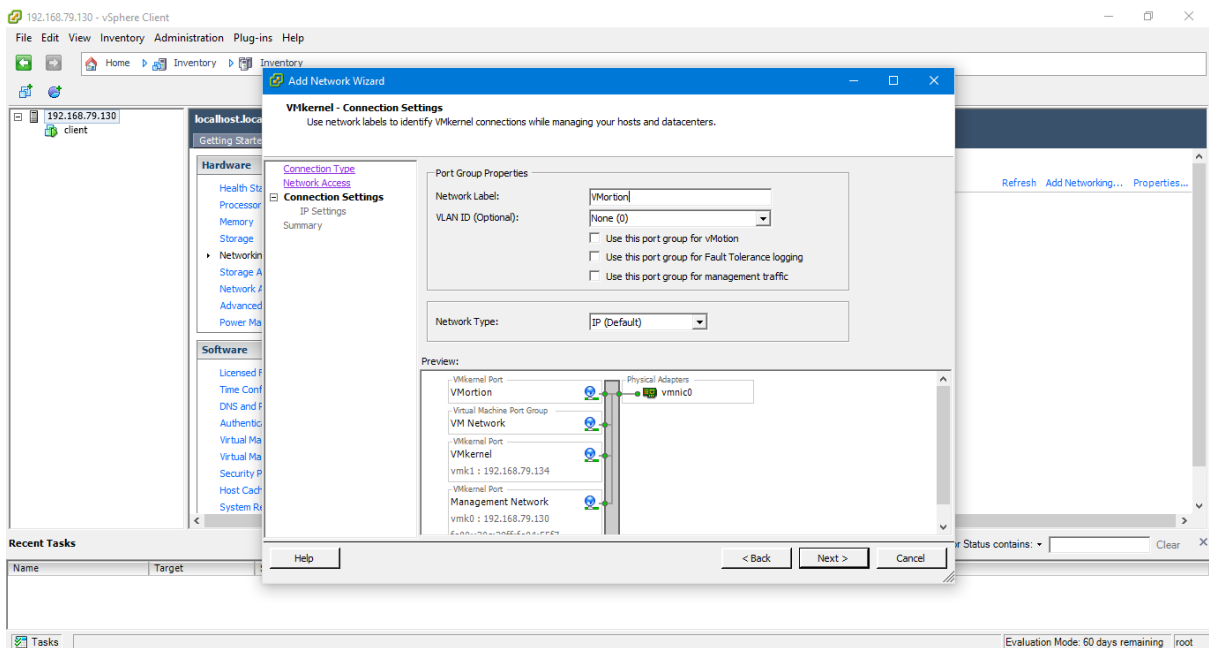
3. Virtual machine must need to meet the following requirements?

- A virtual machine must not have a connection to a virtual device (such as a CD-ROM or Floppy drive) with a local image mounted.
- A virtual machine must not have a connection to an internal vSwitch (vSwitch with zero uplink adapter)
- A virtual machine must not have CPU affinity configure
- Source and destination host must have,
 - Visibility to storage (Fibre Channel, iSCSI, or NAS) used by the virtual machine.
 - At least Gigabyte or faster network connection
 - Access to the same physical network
 - Compatible CPUs
- If virtual CPU performance counters are enabled, you can migrate virtual machines only to hosts that have compatible CPU performance counters.
- You cannot use migration with vMotion to migrate a virtual machine that uses a virtual device backed by a device that is not accessible on the destination host.
- You cannot use migration with vMotion to migrate a virtual machine that uses a virtual device backed by a device on the client computer. Disconnect these devices before migrating the virtual machine.



Crating two ESXI to do the vMortion





4. What are the difficulties you have face when doing vMortion?

- For each and every ESXI allocate 4GB separately. It almost take 8GB RAM for VM. At least 12 GB RAM is needed to work out with vMortion migration.