

Enterprise Standards and Best Practices for IT Infrastructure

Vmotion Lab Report

Hettiarachchi R.L. – IT13029500

Sri Lanka Institute of Information Technology
B.Sc. Special (Honors) Degree in Information Technology
Specialized in Information Technology

Necessary components to to Vmotion

- i. Proper network is required and all servers should be connected to one LAN.
- ii. Vmotion network.
- iii. Common data storage. This contains configuration files and common data.
- iv. At least 12GB RAM for create virtual machines.

Requirements for configure Vmotion on VMware ESXi without fear:

1. Need to have virtual center
2. Need to have two physical servers with ESXi installed.
3. Gigabit network cable is required for connect from one server to another directly.

Basic steps for configure Vmotion on VMware Esxi

- Step 1: Connect to Virtual Center and gain access to one of the servers. To do that go to the 'Configuration' tab and select 'Network Adapters' option. In there we can see new connections.
- Step 2: Go to the 'Networking' option and select it. Then select 'Add Networking' to create the 'vSwitch'.
- Step 3: Select 'VMKernel' and click on 'Next'.
- Step4: Making a network card or cards that have connected from one server to another and click on 'Next'.
- Step 5: Select 'Use the following IP settings' and write a label network. For an example in here we used following IP address and Subnet mask.
IP address: 50.50.50.1
Subnet Mask: 255.255.255.252
Then click 'Finish'.
- Step 6: To ensure that the entire system is working properly migrate a VM from one ESXi to the other using Vmotion functionality that configured. To do that select the virtual machine that created and then right click and select 'Migrate'. Then click 'Next'.
- Step 7: Select the target server where that move the virtual machine and click 'Next'.
- Step 8: Click 'Finish' to start the migration.