

SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

[**Enterprise Standards and Best Practices for IT Infrastructure**](http://courseweb.sliit.lk/course/view.php?id=137)

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Group Number:

Practical Session: WE Monday (June batch)

Practical Number : 4 (V-motion)

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Evaluators Signature : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**What is vmotion?**

VMware VMotion enables the live migration of running virtual machines from one physical server to another with zero downtime, continuous service availability, and complete transaction integrity. It is transparent to users.

**Virtual machine requirements for Vmotion migration**

* A virtual machine must not have a connection to a virtual device with a local image mounted.
* A virtual machine must not have a connection to an internal vSwitch.
* A virtual machine must not have CPU affinity configured.

**Host requirements for vmotion migration**

Source and destination hosts must have:

* Visibility to all storage used by the VM.
* At least a Gigabit Ethernet network:
  + Four concurrent vMotion migration on a 1Gbps network.
  + Eight concurrent vMotion migrations on a 10Gbps network.
* Access to the same physical networks.
* Compatible CPUs.