**ITRI Hypervisor Test Case**

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| **Metadata (Descriptions of the test case)** | |
| **Test case ID** | FT-HFF-MV-0009 |
| **Test case name** | Migrate three Guest VMs from one Host machine to another at the same time |
| **Category** | Hypervisor fundamental functionality |
| **Designer** | Chia Hung Kao |
| **Reviewer** |  |
| **Modified time** | 04/30/2013 |

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| **Precondition (Conditions that must exist to support the test case)** | |
| **Kernel configuration** | L S F - - - |
| **Host setting** | * CPU: 1 CPU * Memory: 1024 MB RAM * OS: Linux * Network (Host A): 192.168.101.2 * Network (Host B): 192.168.101.101 |
| **Guest VM setting** | * CPU: 1 virtual CPU * Memory: 64 MB RAM * OS: Linux * Network (Guest VM1): 192.168.20.2 * Network (Guest VM2): 192.168.20.4 * Network (Guest VM3): 192.168.20.5 * Storage configuration: NFS |
| **Environment setting** | Host machines are on without any additional process |
| **Steps** | 1. Launch Host machine A (Source) 2. Launch Host machine B (Destination) |

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| **Process (Steps to be executed to complete the test)** |
| 1. Login to Host machine B 2. Let Host machine B enter “receive” mode for Guest VM1 3. Let Host machine B enter “receive” mode for Guest VM2 4. Let Host machine B enter “receive” mode for Guest VM3 5. Login to Host machine A 6. Launch Guest VM1 7. Launch Guest VM2 8. Launch Guest VM3 9. Execute “ping” in Guest VM1 10. Execute “top” in Guest VM2 11. Execute “vmstat 1” in Guest VM3 12. Migrate Guest VM1 from Host machine A to Host machine B 13. Migrate Guest VM2 from Host machine A to Host machine B 14. Migrate Guest VM3 from Host machine A to Host machine B |

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| **Evaluation (Steps to be examined to evaluate the test result)** |
| 1. Guest VM1 is on in Host machine B 2. Process “ping” is running 3. Guest VM2 is on in Host machine B 4. Process “top” is running 5. Guest VM3 is on in Host machine B 6. Process “vmstat” is running |

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| **Post process (Steps to be executed to restore the system state)** |
| 1. Shutdown Guest VM1 2. Shutdown Guest VM2 3. Shutdown Guest VM3 4. Shutdown Host machine A 5. Shutdown Host machine B |

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| **Related scripts (Scripts used in this test case)** |
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