**ITRI Hypervisor Test Case**

|  |  |
| --- | --- |
| **Metadata (Descriptions of the test case)** | |
| **Test case ID** | FT-HFF-MV-0012 |
| **Test case name** | During file transfer, migrate one Guest VM (with heavy load) from one Host machine (with heavy load) to another |
| **Category** | Hypervisor fundamental functionality |
| **Designer** | Chia Hung Kao |
| **Reviewer** |  |
| **Modified time** | 04/30/2013 |

|  |  |
| --- | --- |
| **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 configuration: 192.168.20.2 * Storage configuration: NFS |
| **Environment setting** | Host machines are on without any additional process |
| **Steps** | 1. Launch Host machine A (Source) with heavy load 2. Launch Host machine B (Destination) |

|  |
| --- |
| **Process (Steps to be executed to complete the test)** |
| 1. Login to Host machine B 2. Let Host machine B enter “receive” mode 3. Login to Host machine A 4. Create one file (20MB) in Host machine A 5. Calculate md5 of the file 6. Launch Guest VM 7. Deploy heavy load on Guest VM 8. Get the file in Host machine A through Guest VM 9. Migrate Guest VM from Host machine A to Host machine B 10. Calculate md5 of the file in migrated Guest VM when the file transfer activity is complete |

|  |
| --- |
| **Evaluation (Steps to be examined to evaluate the test result)** |
| 1. Guest VM is on in Host machine B 2. md5 should be the same |

|  |
| --- |
| **Post process (Steps to be executed to restore the system state)** |
| 1. Shutdown Guest VM 2. Shutdown Host machine A 3. Shutdown Host machine B |

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