**ITRI Hypervisor Test Case**

|  |  |
| --- | --- |
| **Metadata (Descriptions of the test case)** | |
| **Test case ID** | HFF-0013 |
| **Test case name** | Test memory (16M-32M) access randomly on 4 Guest VM (With memory space release) |
| **Category** | Hypervisor fundamental functionality |
| **Designer** | Mike |
| **Reviewer** |  |
| **Modified time** | 03/18/2013 |

|  |  |
| --- | --- |
| **Precondition (Conditions that must exist to support the test case)** | |
| **Host kernel configuration** | L S - - N B |
| **Host setting** | * CPU: 1 CPU * Memory: 1024 MB RAM * OS: Linux * Network configuration: 192.168.101.2 * Storage configuration: |
| **Guest VM setting** | * CPU: 1 virtual CPU * Memory: 64 MB RAM * OS: Linux * Network configuration: 192.168.20.2 - 5 * Storage configuration: NFS |
| **Environment setting** | Host machine is on without any additional process |
| **Steps** | 1. Launch Host machine |

|  |
| --- |
| **Process (Steps to be executed to complete the test)** |
| 1. Login to Host machine 2. Launch Guest VM 1-4 3. Login to Guest VM 1-4 4. Load memory testing script to Guest VM 1-4 5. Run memory testing script at the same time |

|  |
| --- |
| **Evaluation (Steps to be examined to evaluate the test result)** |
| 1. All Guest VM are booted successfully 2. All Guest VM can be login in 3. Run memory testing script successfully and get “Finish” message on all Guest VM |

|  |
| --- |
| **Post process (Steps to be executed to restore the system state)** |
| 1. Shut down all Guest VM 2. Shut down Host machine |

|  |
| --- |
| **Related scripts (Scripts used in this test case)** |
| 1. {Script name} |