**ITRI Hypervisor Test Case**

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| **Metadata (Descriptions of the test case)** | |
| **Test case ID** | FT-MV-GMA-0001 |
| **Test case name** | Test memory (1M-16M) access randomly on Guest VM (With memory space release) |
| **Category** | Memory Virtualization – Guest OS Memory Access |
| **Designer** | Mike |
| **Reviewer** |  |
| **Modified time** | 03/18/2013 |

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| **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 * Storage configuration: NFS |
| **Environment setting** | Host machine is on without any additional process |
| **Steps** | 1. Launch Host machine |

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

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| **Evaluation (Steps to be examined to evaluate the test result)** |
| 1. Guest VM booted successfully 2. Login to Guest VM successfully 3. Run memory testing script successfully and get “Finish” message |

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

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