Server health checkup

1.First go to windows panel and search Run command. Then write command name CMD and press enter button. Windows show a command prompt panel.

2.Then write a command for server login

Command - **ssh -p 3232** [**mime-erp@103.117.192.110**](mailto:mime-erp@103.117.192.110)

Press enter.

3.Then write a password

Password - **M!m3erp@P@ss21**

Press enter.

4.Cpu utilization report process

* While know any cpu utilization report first enter credential and press enter
* Then enter a command : **top - server utilizatio**n
* Then count 10 latest avg **utilization** and calculate : Ex :- 158 / 3..**Total count (66+44+48) utilization / total count(3) number.**

5.MEMORY Health process

* While know any memory health report first enter credential and press enter
* Then enter a command : **top - server utilizatio**n
* **capacity** :: Then view capacity total **MiB Mem :16013** (16gb).Used memory : 4861.7(4gb)
* **Utilization::** Utilization calculation process for memory: **Memory utilization =Used memory / total memory \* 100**

6. SWAP MEMORY Health process

* While know any swap memory health report first enter credential and press enter
* Then enter a command : **top - server utilizatio**n
* **capacity** :: Then view **capacity** total **MiB Swap :4096** (4gb).Used memory : 497.7(497mb)
* **Utilization** :: Utilization calculation process for memory :Swap Memory =Swap Memory / total Swap Memory \* 100

7. HDD-root/ HDD-C report process:

* While know any HDD-root/ HDD-C health report first enter credential and press enter
* Then enter a command : **df -h / -disk size**
* **Then view File size :97G.**
* **Then view Used :40G.**
* **Then view Use % :44%**

Then Input HDD-root/ HDD-C file size,used And use%.

8.For help I have attached a screen shot for server utilization

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Servers** | | | **Unit** | **CPU** | | **Memory** | |
| **Particulars** | **IP** | **Physical Server IP** | **BA** | **Capacity** | **Utilization (%)** | **Capacity(GB)** | **Utilization (%)** |
| MC-Test | 103.117. | 103.117. | Test Team | 4x2 GHz | 69.8 | 16 | 31.7 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **SWAP Memory** | | **HDD-root/ HDD-C:** | | **HDD-home/ HDD-D:** | | **HDD/var** | |
| **Capacity(MB)** | **Utilization (%)** | **Capacity(GB)** | **Utilization (%)** | **Capacity(GB)** | **Utilization (%)** | **Capacity(GB)** | **Utilization (%)** |
| 4096 | 11.81 | 97G | 40G(43%) |  |  |  |  |

<<<<<<<<<<<<<<<<<<<<<<<<<<<<Complete>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>

**Other command for server health utilization report creation**

open command line or terminal to login to server using server credentials

**SSH Mime Test server**

Enter login server name: Command - ssh -p 3232 [mime-erp@103.117.192.110](mailto:mime-erp@103.117.192.110)

Password:Enter password

**use the following commands for checking server status wherever applicable:**

**top** -server utilization

**htop** -server utilization

**htop -d x** -server utilization in x/10 second intervals

**df -h**  -size details

**df -h /**  -disk size

**sudo fdisk -l** -list all partitions

**df -hT /root** -root size

**sudo du -sh .** -current dir size

**sudo parted -l** -partition details

**curl ifconfig.me**. -server ip

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