# Linux - How to get Memory information

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Question : How to show information of memory stick [DIMM] in Linux?

Answer : Command dmidecode with option "t" followed by parameter "memory" could be used to show hardware information of memory stick [DIMM] in Linux.

Example :

```
[root@server ~]# dmidecode -t memory
```

Question : How to get number of memory stick [DIMM] installed in Linux?

Answer : dmidecode command can be used to list memory information in Linux. A quick way to get the number of memory stick installed would be couple dmidecode with grep command.

Example :

```
[root@server ~]# dmidecode -t memory|grep -i speed|grep -v Unknown|wc -l
```

Question : How to get the size of memory stick [DIMM] installed in Linux?

Answer : Used dmidecode command to display information for memory stick and look for size parameter. Quick way would be to use grep command seaching for keyword size.

Example :

```
[root@server ~]# dmidecode -t memory|grep -i size|grep -v No
Size: 4096 MB
```

Question : How to show memory [in MB] used in Linux?

Answer : Command "free -m" could be used to display memory usage in Linux

Example :

```
[root@server ~]# free -m
total used free shared buffers cached
Mem: 7979 7006 972 0 198 3058
```

*-/+ buffers/cache: 3749 4229*

*Swap: 32767 0 32767*