

AIX - How to get Memory information

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Question : How to check memory size allocated to an AIX box if it is a lpar?

Answer : lparstat command with option "i" can be used.

Example :

```
root@server # lparstat -i |grep -i memory
Online Memory : 320 MB
Maximum Memory : 1536 MB
Minimum Memory : 288 MB
Desired Memory : 320 MB
```

Question : How to check memory size configured on an AIX machine?

Answer : Command prtconf can be used to display it's system configuration information. Option "m" to display memory information.

Example :

```
root@server # prtconf -m
Memory Size: 320 MB
```

Question : How to check current usage of memory in AIX?

Answer : svmon command can be used to display current usage of memory.

Example :

```
root@server # svmon -G
size inuse free pin virtual
memory 81920 78726 3194 53486 138389
pg space 262144 59616

work pers clnt other
```

```
pin 45132 0 0 8354
in use 75732 5 2989
```

```
PageSize PoolSize inuse pgsp pin virtual
s 4 KB - 53078 48784 43086 96613
m 64 KB - 1603 677 650 2611
```

Note : You need to calculate the memory size by multiplying memory size output with 4kb.

Question : How to check memory stick [DIMM] configured on an AIX machine?

Answer : lscfg command with option "vp" can be used to display configuration on an AIX machine.

Example :

```
root@server # lscfg -vp |grep -p "DIMM"
Memory DIMM:
Record Name..... VINI
Flag Field..... XXMS
Hardware Location Code..... U788C.001.AAA6522-P1-C5
Customer Card ID Number..... 312B
Serial Number..... YH10BK66W0ZK
Part Number..... 12R8255
FRU Number..... 12R8255
Size..... 1024
Version..... RS6K
Physical Location: U788C.001.AAA6522-P1-C5
```

Question : How to get the number of memory stick [DIMM] installed on an AIX machine?

Answer : Use lscfg command with option "vp" and grep keyword "DIMM" followed by command "wc -l".

Example :

```
root@server # lscfg -vp |grep "DIMM" | wc -l
```

Question : How to get the size of memory stick [DIMM] installed on an AIX machine?

Answer : Use lscfg command with option "vp" and couple with grep command.

Example : Values are in MB.

```
root@server # lscfg -vp |grep -p "DIMM" | grep -i size
Size..... 1024
Size..... 1024
```

Note : Values are in MB.

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