

Process memory usage

<https://stackoverflow.com/questions/22261452/finding-memory-usage-of-a-process-in-linux>
<https://stackoverflow.com/questions/131303/how-can-i-measure-the-actual-memory-usage-of-an-application-or-process>

```
# sudo ./ps_mem.py -S -p 130609
```

```
Private + Shared = RAM used Swap used Program
```

```
373.1 MiB + 3.8 MiB = 377.0 MiB 0.0 KiB java
```

```
-----  
377.0 MiB 0.0 KiB
```

```
=====
```

```
# smem (385 / 410MB)
```

```
PID User Command Swap USS PSS RSS
```

```
130609 xroad java -XX:+UseG1GC -Dfile.en 0 382100 385982 410836
```

```
# cat /proc/130609/statm (144MB)
```

```
size resident shared text lib data dt
```

```
913344 101325 7164 1 0 144819 0
```

```
# jmxterm (120MB)
```

```
HeapMemoryUsage = {  
  committed = 211812352;  
  init = 209715200;  
  max = 805306368;  
  used = 94521232;  
};
```

```
NonHeapMemoryUsage = {  
  committed = 125591552;  
  init = 7667712;  
  max = 511705088;  
  used = 121192856;  
};
```

```
# top
```

```
5% used(5% of 1024mb is 51.2MB)
```

```
# ps aux (5% used)
```

```
USER PID %CPU %MEM VSZ RSS TTY STAT START TIME COMMAND
```

```
xroad 130609 0.3 4.9 3655424 405632 ? Ssl Mar03 25:57 java -XX:+UseG1GC...
```

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