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## Linux find out what process are eating all memory and time allocated to process

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Q. How do I find out what process are eating up all my memory. Is it possible to find out how long that memory has been allocated to particular process? How do I kill that process to free up memory?

A. You need to use the top command which provides a dynamic real-time view of a running system. It can display system summary information as well as a list of tasks currently being managed by the Linux kernel.

Simply type top command:

```
# top
```

top command will tell you the percentage of physical memory a particular process is using at any given time. As far as I know, there is no easy way that can tell how long that memory has been allocated.

You can also use ps command to get more information about process.

```
# ps aux | less
```

To kill process use [kill command](#) <sup>[1]</sup> under Linux. Read man page of top and ls for more information.

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[1] kill command: <http://www.cyberciti.biz/faq/kill-process-in-linux-or-terminate-a-process-in-unix-or-linux-systems/>

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