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Linux / UNIX: Find out or determine if process pid is running

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Q. How do I find out my process is running? How do I get pid number for particular process?

A. The easiest way to find out is run `ps aux` command and `grep` process name. If you got output along with process name/pid, your process is running.



[1]

Task: Find out process pid

Simply use `ps` command as follows:

```
ps aux | grep {process-name}
```

For example find out if `mysqld` process (`mysqld` pid) is running or not:

```
$ ps aux | grep mysqld
```

Output:

```
mysql      28290  1.1  2.7 340496 56812 ?        S1   Jul31 348:27 /usr/libexec/mysqld --defa
```

Find the process ID of a running program using `pidof`

`pidof` command finds the process id's (pids) of the named programs. It prints those id's on screen. This program is on some systems used in run level change scripts, especially when the system has a System-V like rc structure. In that case these scripts are located in `/etc/rc?.d`, where `?` is the runlevel. If the system has a start-stop-daemon (8) program that should be used instead.

```
# pidof mysqld
```

Output:

```
28290
```

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