

Monitoring MySQL load with /proc

Oct 10, 2018

On a MySQL server, I launched the following command

```
load data local infile '/tmp/bar' into table foo.bar;
```

The command was running for quite some time, and I was looking for a fast way to know its progress, without having to restart it or reload MySQL server changing some option.

The idea is to find how much of `/tmp/bar` MySQL has read.

First, let's find mysql PID:

```
$ pgrep mysql
1337
```

Then, let's find `/tmp/bar` file descriptor in `/proc`

```
$ ls -l /proc/1337/fd |grep /tmp/bar
total 0
lr-x-----. 1 user user 64 Oct 10 21:55 4 -> /tmp/bar
```

This is file descriptor #4.

`fdinfo` allows to know more about file descriptor #4.

```
$ cat /proc/1337/fdinfo/4
pos:      84443136
flags:    0100000
mnt_id:   650
```

The first line gives us the read position in the file. We then just have to divide it by the total size of the file:

```
$ echo $[${cat /proc/1337/fdinfo/4|head -1|sed 's/.*\t//'}00 \
/ ${ls -nl /tmp/bar | awk '{print $5}'}]
42%
```

So 42% of the file was processed !