
Subject: Simultaneous write on textfile over NFS

Posted by [Johannes Korn](#) on Wed, 10 Feb 2010 09:29:10 GMT

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Hi,

I often run idl programs which utilize only one CPU core (for loops).
The output is a text line appended to a file.

To exploit a multicore I run multiple instances with different parameter setups. The output goes to different files. After all jobs are completed I manually merge the files.
This ways I have to keep track which file contains what output and so on.

My question, what happens if I use the same output file for all jobs. Is it save?

This means every job would write about every 15 seconds a line like that.

```
OPENW, u, 'file.txt', /GET_LUN, WIDTH=250, /APPEND  
printf, a, b, c  
FREE_LUN,u
```

What if two write accesses collide? Will the file be corrupted? Will there be an error? Will the second job wait until the first one has closed the file?

Filesystem is NFS.

Regards,

Johannes
