
Subject: Re: [BUG][cryo] Create file on restart ?
Posted by [serue](#) on Wed, 16 Jul 2008 19:26:04 GMT
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Quoting sukadev@us.ibm.com (sukadev@us.ibm.com):

>
> cryo does not (cannot ?) recreate files if the application created

I think that's for the best.

Don't you?

The most we should do is make sure cryo has a clear enough error message.

-serge

> a file before checkpoint and the file does not exist at the time
> of restart.
>
> Note that the 'flags' field in '/proc/\$pid/fdinfo/\$fd' will not
> have the O_CREAT (or O_TRUNC, O_EXCL, O_NOCTTY) flags. These
> are cleared in __dentry_open().
>
> At the time of restart, is there a way for cryo to know that the
> file must be created ?
>
> To reproduce:
> - run following program,
> - checkpoint after the first printf
> - rm /tmp/foo1
> - restart # fails to open file during restart
>
> ---
> #include <stdio.h>
> #include <unistd.h>
> #include <errno.h>
> #include <sys/fcntl.h>
>
> main()
> {
> int fd;
> int i;
> char *buf = "abcdefghijklmnopqrstuvwxyzABCDEFGHIJKLMNOPQRSTUVWXYZ";
>
> fd = open("/tmp/foo1", O_RDWR|O_CREAT|O_TRUNC, 0666);
>
> if (fd < 0) {

```
> perror("open");
> exit(1);
> }
> printf("%d: Opened '/tmp/foo1', fd %d\n", getpid(), fd);
>
> for (i = 0; i < strlen(buf); i++) {
>   if (write(fd, &buf[i], 1) < 0) {
>     printf("Error %d writing %c to file, i %d\n",
>       errno, buf[i], i);
>     exit(1);
>   }
>   printf("%d: i %d, wrote %c\n", getpid(), i, buf[i]);
>   sleep(2);
> }
> }
> }
```

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> Containers mailing list
> Containers@lists.linux-foundation.org
> https://lists.linux-foundation.org/mailman/listinfo/containers
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