
Subject: Re: [RFC][PATCH][cryo] Read/print contents of fifo

Posted by [serue](#) on Tue, 17 Jun 2008 22:31:22 GMT

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Quoting sukadev@us.ibm.com (sukadev@us.ibm.com):

```
>
> >From 0f5b3ea20238e0704a71252a3d495ca0db61e1dc Mon Sep 17 00:00:00 2001
> From: Sukadev Bhattiprolu <sukadev@linux.vnet.ibm.com>
> Date: Sat, 14 Jun 2008 11:45:00 -0700
> Subject: [RFC][PATCH] Read/print contents of fifo.
>
> To test that checkpoint/restart of pipes is working, read
> one byte at a time from the pipe and write to stdout.
>
> After checkpoint, both the checkpointed application and the
> restarted application should continue reading from the checkpoint.
>
> The '-e' option to the program, tests with an empty pipe.
>
> Signed-off-by: Sukadev Bhattiprolu <sukadev@us.ibm.com>
```

Thanks, will apply to the git tree tonight.

-serge

```
> ---
> tests/pipe.c | 32 +++++++++++++++++++++++++++++++++++++
> 1 files changed, 28 insertions(+), 4 deletions(-)
>
> diff --git a/tests/pipe.c b/tests/pipe.c
> index cc3cdfd..0812cb3 100644
> --- a/tests/pipe.c
> +++ b/tests/pipe.c
> @@ -3,25 +3,49 @@
> #include <unistd.h>
> #include <stdlib.h>
> #include <string.h>
> +#include <errno.h>
> +#include <sys/fcntl.h>
>
> -int main()
> +int main(int argc, char *argv[])
> {
>     int i = 0;
>     + int rc;
>     int fds[2];
>     + int c;
>     + int empty;
```

```

> char *buf = "abcdefghijklmnopqrstuvwxyz";
>
> + /*
> +  * -e: test with an empty pipe
> +  */
> + empty = 0;
> + if (argc > 1 && strcmp(argv[1], "-e") == 0)
> +   empty = 1;
> +
>   if (pipe(fds) < 0) {
>     perror("pipe()");
>     exit(1);
>   }
>
> - write(fds[1], buf, strlen(buf));
> + if (!empty)
> +   write(fds[1], buf, strlen(buf));
>
> + if (fcntl(fds[0], F_SETFL, O_NONBLOCK) < 0) {
> +   perror("fcntl()");
> +   exit(1);
> + }
>   printf("Running as %d\n", getpid());
>   while (i<100) {
>     sleep(1);
> -   if (i%5 == 0)
> -     printf("i is %d (pid %d)\n", i, getpid());
> +   if (i%5 == 0) {
> +     c = errno = 0;
> +     rc = read(fds[0], &c, 1);
> +     if (rc != 1) {
> +       perror("read() failed");
> +     }
> +     printf("i is %d (pid %d), c is %c\n", i, getpid(), c);
> +
> +   }
>   i++;
> }
> }
> --
> 1.5.2.5

```

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