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Subject: [PATCH 0/2] cryo: fixes for handling options -l and -f  
Posted by [Benjamin Thery](#) on Mon, 09 Jun 2008 14:47:09 GMT  
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Serge,

I've cloned your cryo tree and I'm starting to play with it.  
Here are a couple of trivial patches to fix some small issues  
with options handling: -l (list) and -f in checkpoint mode.

Still trying to restart the 'sleep' test program.

Benjamin

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Subject: [PATCH 1/2] cryo: Fix option -l  
Posted by [Benjamin Thery](#) on Mon, 09 Jun 2008 14:47:19 GMT  
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This tiny patch fixes the handling of option -l.  
'l' must be added to the getopt() call and the subsequent switch{} if  
we don't want to exit too soon.

This makes the following command works:

```
$ cr -l -t test.cryo
```

Signed-off-by: Benjamin Thery <[benjamin.thery@bull.net](mailto:benjamin.thery@bull.net)>

---

```
cr.c | 3 ++-  
1 file changed, 2 insertions(+), 1 deletion(-)
```

Index: cryodev/cr.c

```
=====
--- cryodev.orig/cr.c
+++ cryodev/cr.c
@@ -1227,10 +1227,11 @@ int main(int argc, char **argv)
     int fd = 0;
     int perm = O_RDONLY;

- while ((ch = getopt(argc, argv, "dmp:rRksf:")) != EOF) {
+ while ((ch = getopt(argc, argv, "dlmp:rRksf:")) != EOF) {
     switch (ch) {
```

```
case 'd': cr_mode |= CR_DEBUG; Debug_mode = 1; break;
case 'k': cr_mode |= CR_KILL; break;
+ case 'l': mode = ch; break;
case 's': cr_mode |= CR_STOP; break;
case 'm': cr_mode |= CR_MMAP; break;
case 'p': mode = ch; fd = 1; perm = O_WRONLY; pid = (pid_t)atoi(optarg); break;
```

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Subject: [PATCH 2/2] cryo: Fix option -f in checkpointing mode  
Posted by [Benjamin Thery](#) on Mon, 09 Jun 2008 14:47:29 GMT  
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Option -f couldn't be used in conjunction with option -p (for checkpointing).  
O\_CREAT is missing in the flags passed to open().

Now, we can do:

```
$ cr -p MYPID -f test.cryo
```

(I know the coding style is not perfect (long lines, several instructions on the same line), but it fits with cryo's style :)).

Signed-off-by: Benjamin Thery <[benjamin.thery@bull.net](mailto:benjamin.thery@bull.net)>

---

```
cr.c | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

Index: cryodev/cr.c

=====

--- cryodev.orig/cr.c

+++ cryodev/cr.c

```
@@ -1234,7 +1234,7 @@ int main(int argc, char **argv)
```

```
case 'l': mode = ch; break;
case 's': cr_mode |= CR_STOP; break;
case 'm': cr_mode |= CR_MMAP; break;
- case 'p': mode = ch; fd = 1; perm = O_WRONLY; pid = (pid_t)atoi(optarg); break;
+ case 'p': mode = ch; fd = 1; perm = O_WRONLY|O_CREAT; pid = (pid_t)atoi(optarg); break;
case 'r': mode = ch; break;
case 'f': strncpy(filename, optarg, sizeof(filename)); break;
default: usage(); exit(1);
```

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Subject: Re: [PATCH 2/2] cryo: Fix option -f in checkpointing mode  
Posted by [Dave Hansen](#) on Mon, 09 Jun 2008 16:16:08 GMT  
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On Mon, 2008-06-09 at 16:47 +0200, Benjamin Thery wrote:

> Option -f couldn't be used in conjunction with option -p (for  
> checkpointing).  
> O\_CREAT is missing in the flags passed to open().  
>  
> Now, we can do:  
>  
> \$ cr -p MYPID -f test.cryo  
>  
> (I know the coding style is not perfect (long lines, several  
> instructions  
> on the same line), but it fits with cryo's style :) ).

So, I suggest that we start using kernel coding style on this sucker.  
We're all used to it, and the original developer isn't around to bitch  
about it. :)

-- Dave

---

Subject: Re: [PATCH 2/2] cryo: Fix option -f in checkpointing mode  
Posted by [serue](#) on Mon, 09 Jun 2008 16:42:03 GMT  
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Quoting Dave Hansen (dave@linux.vnet.ibm.com):

> On Mon, 2008-06-09 at 16:47 +0200, Benjamin Thery wrote:  
> > Option -f couldn't be used in conjunction with option -p (for  
> > checkpointing).  
> > O\_CREAT is missing in the flags passed to open().  
> >  
> > Now, we can do:  
> >

> > \$ cr -p MYPID -f test.cryo  
> >  
> > (I know the coding style is not perfect (long lines, several  
> > instructions  
> > on the same line), but it fits with cryo's style :) ).  
>  
> So, I suggest that we start using kernel coding style on this sucker.  
> We're all used to it, and the original developer isn't around to bitch  
> about it. :)

Yeah, agreed. That does *\*not\** mean that I want pure style fix patches!! :)

thanks,  
-serge

---

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Subject: Re: [PATCH 2/2] cryo: Fix option -f in checkpointing mode  
Posted by [Dave Hansen](#) on Mon, 09 Jun 2008 16:44:37 GMT  
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On Mon, 2008-06-09 at 11:42 -0500, Serge E. Hallyn wrote:  
> > So, I suggest that we start using kernel coding style on this  
> sucker.  
> > We're all used to it, and the original developer isn't around to  
> bitch  
> > about it. :)  
>  
> Yeah, agreed. That does *\*not\** mean that I want pure style fix  
> patches!! :)

Yep, I'd say treat it the same way we do whitespace in the kernel.  
Touch it if you're either in the *\*IMMEDIATE\** area or or patching the  
code itself.

-- Dave

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Subject: Re: [PATCH 0/2] cryo: fixes for handling options -l and -f

Posted by [serue](#) on Mon, 09 Jun 2008 16:55:44 GMT

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Quoting Benjamin Thery (benjamin.thery@bull.net):

> Serge,

>

> I've cloned your cryo tree and I'm starting to play with it.

> Here are a couple of trivial patches to fix some small issues

> with options handling: -l (list) and -f in checkpoint mode.

>

> Still trying to restart the 'sleep' test program.

>

> Benjamin

> --

Thanks, applied.

-serge

---

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