
Subject: Re: [BUG][cryo] Create file on restart ?
Posted by [serue](#) on Thu, 17 Jul 2008 02:18:34 GMT
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Quoting sukadev@us.ibm.com (sukadev@us.ibm.com):

> Serge E. Hallyn [serue@us.ibm.com] wrote:

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> | > Serge E. Hallyn [serue@us.ibm.com] wrote:

> | > | 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?

> | >

> | > I can understand that configuration or data files should exist, but

> | > not sure about temporary or log files that an application created

> | > upon start-up and expects to be present. Should the admin find

> | > out about them and create them by hand before restart ?

> |

> | I think the admin should have set the destination environment such that

> | the task is restarted in the same network fs in the same directory, with

> | no files having been deleted.

>

> or new files created ? For instance if the application was checkpointed

> before it created a temporary file with O_EXCL flag, that temporary

> file must not exist when restarting ?

>

> |

> | Am I wrong?

>

> So we take a snapshot of the FS and checkpoint the application. Do they

> need to be atomic ?

>

> Eitherway, I withdraw the bug :-)

Well it's certainly beyond the scope of cryo. I'd prefer if we didn't have to snapshot the fs at each checkpoint (!) and I think any many or most cases (think one long-running scientific app or seti@home that just occasionally gets migrated or stopped for a reboot) it won't be an issue. But your point seems valid.

-serge

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