
Subject: Re: [RFC][PATCH 0/2] pipe: checkpoint and restart for pipe; brief description and test interface

Posted by [ebiederm](#) on Wed, 31 Jan 2007 07:09:02 GMT

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Masahiko Takahashi <masahiko@linux-foundation.org> writes:

> Hi everyone,
>
> I would like to post a small patch that implements pipe checkpoint
> and restart functionality.
>
> The patch supports pipe buffers used with splice/vmsplice systemcall.
> Usually, spliced buffers' pages are in memory cache because their data
> are read from an filesystem. However the patch doesn't treat buffers'
> pages as cached memory when restoring. If trying to treat as cached
> memory, each buffer's page should be tagged with its filename when
> checkpointing. This is not a difficult implementation, but I'm still
> wondering this is worth implementing...

Rewind a little bit please. I can clearly see where checkpoint/restart fit into the containers conversation.

However I don't see where this checkpoint/restart patchset fits into the checkpoint restart picture.

What ideas are you trying to discuss?

I will say that I am not yet convinced that we need the kernel saving and restoring the checkpoint.

Regardless of the approach when we start seriously discussing checkpoint/restart one of the big issues is how do we maintain an ABI to user space for all of the data so we can migrate applications across kernel version.

Eric

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