
Subject: Re: lost data?

Posted by [George N. White III](#) on Thu, 10 May 2001 16:15:32 GMT

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On Thu, 10 May 2001, Jaco van Gorkom wrote:

>
> George N. White III wrote in message ...
> ...
>> Some OS's (SGI Irix) have a checkpoint facility that works at the level of
>> processes, and doesn't require support built in to the application. I
>> know there has been some work on checkpointing for linux, as the same
>> capability is required to migrate a process to a new node in some
>> distributed processing systems. I don't know if there is anything you can
>> use with IDL, but it is certainly worth a look.
> ...
>
> One question here, just for my understanding:
> what kind of thing is checkpointing?
>
> Jaco

Checkpointing saves an "image" of a running program in such a way
that you can restart the program at that point in the event of a
crash. For Linux, see:

<http://www.cs.rutgers.edu/~edpin/epckpt/>

You can write applications that save their state, but if you have
OS-level support you can checkpoint applications. Checkpointing
does impose some constraints on the application, and you may need
lots of disk space to hold the checkpoint files.

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