
Subject: Re: Re: [PATCH 1/2] signal checkpoint: define /proc/pid/sig/
Posted by [serue](#) on Tue, 12 Jun 2007 16:55:55 GMT

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Quoting Daniel Lezcano (dlezcano@fr.ibm.com):

> Carl-Daniel Hailfinger wrote:

> > On 11.06.2007 19:05, Serge E. Hallyn wrote:

> > > Quoting Cedric Le Goater (clg@fr.ibm.com):

> > >

> > > > should we continue to use /proc ? or switch to some other mechanisms

> > > > like getnetlink (taskstats) to map kernel structures.

> > > We want to avoid 'map'ping kernel structures, though, right? We can

> > > dump the data in a more generic fashion through netlink, dunno what we

> > > prefer. But this is very definately process information :), so /proc

> > > does seem appropriate.

> >

> > While I agree that /proc seems appropriate, I see a few benefits of

> > dumping the data through netlink:

> > * Speed. IIRC there were benchmarks showing an advantage of netlink

> > over /proc when communicating with userspace. Sorry, no idea where

> > I read that.

> > * Versioning. While we strive to have the perfect interface on the

> > first try, changes might be necessary. I see no way to handle

> > multiple versions of an interface in /proc without big headaches.

> > * Conformity. With /proc, people often see a file, take a look at

> > it and try to infer the structure of the file from what they see.

> > This has led to multiple problems in the past when the content of

> > some files in /proc changed slightly and tools broke. With

> > netlink, implementers have to look at the spec to achieve anything

> > useful.

>

> Right. And community seems to encourage to use the netlink and to stop

> implementing new entry in /proc.

>

> <http://kerneltrap.org/node/6637>

That's not quite what that thread is saying :)

For just this information, I would prefer /proc over netlink. But since we'll be dumping a whole bunch more data, I agree netlink may be the way to go.

thanks,
-serge

Containers mailing list

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