
Subject: Re: [Announce] Checkpoint-restore tool v0.1

Posted by [cyrill](#) on Tue, 31 Jul 2012 10:16:03 GMT

[View Forum Message](#) <> [Reply to Message](#)

On Tue, Jul 31, 2012 at 12:08:22PM +0200, richard -rw- weinberger wrote:

> On Tue, Jul 31, 2012 at 11:54 AM, Pavel Emelyanov <xemul@parallels.com> wrote:

> >> Yeah, but I fear it's not that easy.

> >> We'd have to change crtools to work without ptrace().

> >

> > Well, this is hard. Using ptrace saved us from having many special-purpose

> > APIs for dumping various stuff (there will be an article about it). Thus I

> > don't know which way is simpler -- stop using ptrace or teach ptrace to allow

> > several tracers to attach to one task %)

>

> Allowing multiple tracers in a safe way is IMHO even more harder.

>

> BTW: While reading prctl_set_mm() I noticed two things.

> 1. Why isn't the return value of find_vma() verified?

```
prctl_set_mm
```

```
vma = find_vma(mm, addr);
```

```
...
```

```
if (!vma) {
```

```
    error = -EFAULT;
```

```
    goto out;
```

```
}
```

these values are used in procfs statistics only. So I don't get which verify you mean here.

> It looks like one can set an addr which does not belong to any vma.

> 2. What will happen if addr is not page aligned?

you'll have a bit weird output in procfs stat (probably I should add page alignment check here).

Cyrill
