Subject: Re: Re: swsusp done by migration (was Re: [RFC][PATCH 1/5] Virtualization/containers: startup)
Posted by vaverin on Sat, 11 Feb 2006 17:29:02 GMT

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Sam Vilain wrote:
> On Fri, 2006-02-10 at 09:23 +0300, Vasily Averin wrote:
>>>Yeah. If you fudged/virtualised /dev/random, the system clock, etc you
>>>could even have Tandem-style transparent High Availability.
>>></more wishful thinking>
>>Could you please explain, why you want to virtualize /dev/random?
>
> When checkpointing it is important to preserve all state. If you are
> doing transparent highly available computing, you need to make sure all
> system calls get the same answers in the clones. So you would need to
> virtualise the entropy pool.

>From my point of view it is important to preserve only all the determinated state.

Ok, lets we've checkpointed and saved current entropy pool. But we have not any
guarantee that pool will be in the same state at the moment of first access to
it after wakeuping. Because a new entropy can change it unpredictable.

Am I right?

Thank you,
 Vasily Averin

Virtuozzo Linux kernel Team