

Herbert Poetzl <herbert@13thfloor.at> wrote:

>
> let me
> give a simple example here:

Examples are useful.

> "pid virtualization"
>
> - Linux-VServer doesn't really need that right now.
> we are perfectly fine with "pid isolation" here, we
> only "virtualize" the init pid to make pstree happy
>
> - Snapshot/Restart and Migration will require "full"
> pid virtualization (that's where Eric and OpenVZ
> are heading towards)

snapshot/restart/migration worry me. If they require complete serialisation of complex kernel data structures then we have a problem, because it means that any time anyone changes such a structure they need to update (and test) the serialisation.

This may be a show-stopper, in which case maybe we only need to virtualise pid #1.

> - OpenSSI and *Mosix require system wide pid spaces
> which probably could be implemented with virtual
> pid spaces as well
>
> - many security addons provide something called pid
> randomization, and I think they could probably
> benefit from a virtual pid space, too

ok.

Anyway. Thanks, guys. It sound like most of this work will be nicely separable so we can think about each bit as it comes along.
