
Subject: Re: OLS paper topics
Posted by [kir](#) on Wed, 30 Jan 2008 08:50:59 GMT
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Serge E. Hallyn wrote:

> Quoting Kir Kolyshkin (kir@openvz.org):

>

>> Serge E. Hallyn wrote:

>>

>>> mini-summit:

>>> I will submit for a 1-day mini-summit. Some interesting
>>> remaining topics for the mini-summit would include device
>>> namespaces, ttys and syslog, and lots of checkpoint/restart.

>>>

>>>

>> That's right, obviously the title of the mini-summit would be something
>> like "Linux Kernel Containers".

>>

>

> Attached is what I currently had for a proposal to send to the OLS
> committee. (Please feel free to edit and add to the wiki)

>

Some people have made a few minor changes in the version at wiki. I
guess no more major changes will be done. Here it is:

== Topic ==

Namespaces, containers, cgroups, and container checkpoint/restart.

== Description ==

Development for namespaces and cgroups is well underway in the
mainline kernel. To keep momentum going and keep the loosely
knit teams of developers well-coordinated, a physical meeting in
which to discuss future development plans is needed.

Additionally, we are at a point where crucial decisions about
the nature of a "container object" and about the checkpoint/restart
design need to be made.

A final set of topics will be decided upon through mailing lists
ahead of time, but potential topics include:

- * Handling filesystem/namespace synchronization
- * Handling of /proc and /sysfs within containers
- * Additional needed namespaces (i.e. device namespace)
- * Nature of a 'container' — kernel object or userspace fiction
- * Additional cgroups and their design
- * How to initiate and synchronize checkpoint/restart

* How to enter a 'container' ?

== Moderators ==

{{Out|These are just suggestions, please edit here or let us know if you do or do not want to moderate.}}

* Namespaces/containers: Serge Hallyn, Cedric Le Goater

* cgroups: Paul Menage

* Checkpoint/restart: Dave Hansen, Cedric Le Goater

== Expected Time Required ==

One day.

== Number of Attendees ==

Approximately 30.

== Technical Requirements ==

* Projector and screen

* Whiteboard

* Network access

* Power for laptops

* doughnuts and croissants for participants

Containers mailing list

Containers@lists.linux-foundation.org

<https://lists.linux-foundation.org/mailman/listinfo/containers>
