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Subject: OLS Mini-Summit Proposal for Containers  
Posted by [serue](#) on Thu, 31 Jan 2008 15:38:30 GMT  
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== Title ==

Linux Kernel Containers Developer Summit

== Topic ==

Namespaces, containers, cgroups, resource management, 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/namespaces synchronization
- \* Handling of /proc and /sysfs within containers
- \* Additional needed namespaces (i.e. device namespace)
- \* Nature of a 'container' -- kernel object or userspace fiction
- \* Cgroup implementation
- \* Additional cgroups and their design
- \* Resource management
- \* How to initiate and synchronize checkpoint/restart
- \* How to enter a 'container'

== Moderators ==

- \* Namespaces/containers: Serge Hallyn, Cedric Le Goater
- \* Cgroups and resource management: Paul Menage, Balbir Singh
- \* 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

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Containers mailing list

Containers@lists.linux-foundation.org

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

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