
Subject: [Patch 01/05]- Containers: Documentation on using containers

Posted by [Rohit Seth](#) on Fri, 15 Sep 2006 01:38:33 GMT

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This patch contains the Documentation for using containers.

Signed-off-by: Rohit Seth <rohitseth@google.com>

Documentation/containers.txt | 42 ++++++
1 files changed, 42 insertions(+)

--- linux-2.6.18-rc6-mm2.org/Documentation/containers.txt 1969-12-31 16:00:00.000000000 -0800

+++ linux-2.6.18-rc6-mm2.ctn/Documentation/containers.txt 2006-09-14 17:13:48.000000000

-0700

@@ -0,0 +1,42 @@

+This file contains information about how to use containers. Configfs support
+is needed in kernel as the container's user interface is through configfs. So
+first enable CONFIG_CONFIGFS_FS and CONFIG_CONTAINERS and recompile the kernel.

+

+1- Mount a configfs (for example):

+ mount -t configfs none /mnt/configfs

+ This will create a /mnt/configfs mount point.

+

+2- As the support of containers is built into kernel, so the mount point

+ /mnt/configfs will automatically contain a directory "containers"

+

+3- Create a container by name test_container

+ cd /mnt/configfs/containers

+ mkdir test_container

+

+All the current implemented attributes in the kernel will show up in the

+directory /configfs/containers/test_container

+

+4- Add a task to container

+ cd /mnt/configfs/containers/test_container

+ echo <pid> > addtask

+

+Now the <pid> and its subsequently forked children will belong to container

+test_container.

+

+5- Remove a task from container

+ echo <pid> rmtask

+

+6- Set a page limit for the container

+ echo some_number_of_pages > page_limit

+

+7- Read the id for the container

+ cat id

- +
- +8- Get the statistics for this container
- + cat num* (will print active pages, anon_pages, file_pages, num_files,
- + and num_task)
- + cat *hits (will print page_limit_hits and task_limit_hits: the number
- + of times container has gone over page_limit and task_limit)
- +9- Freeing a container
- + cd /mnt/configfs/containers/
- + rmdir test_container
