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.

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```
 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/cotnainers/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
