Subject: Re: [Patch 01/05]- Containers: Documentation on using containers
Posted by Rohit Seth on Fri, 15 Sep 2006 18:19:14 GMT
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On Fri, 2006-09-15 at 19:44 +0200, Björn Steinbrink wrote:
> On 2006.09.15 09:45:25 -0700, Rohit Seth wrote:
> > On Fri, 2006-09-15 at 08:15 +0200, Rolf Eike Beer wrote:
> > > Rohit Seth wrote:
> > > > This patch contains the Documentation for using containers.
> > >
> > > > +5- Remove a task from container
> > > > + echo <pid> rmtask
> > >
> > > echo <pid> > rmtask?
> > >
> >
> > rmtask is an attribute defined in test_container directory. So, first
> > you have to cd into container directory
> > (cd /mnt/configfs/containers/test_container and then execute this
> > command)
>
> The > is missing in the patch though, guess that's what Rolf wanted to
> point out ;)
>
Aha. Will fix it.

> >
> > > Please also give a short description what containers are for. From what I read
> > > here I can only guess it's about gettings some statistics about a group of
> > > tasks.
> >
> > Containers allow different workloads to be run on the same platform with
> > limits defined on per container basis. This basically allows a single
> > platform to be (soft) partitioned among different workloads (each of
> > which could be running many tasks). The limits could be amount of
> > memory, number of tasks among other features. These two features are
> > already implemented in the patch set that I posted. But it is possible
> > to add other controllers like CPU that allows only finite amount of time
> > to the processes belonging to a container.
> >
> > Currently this patch set is only tracking user memory (both file based
> > and anonymous). The memory handler is currently deactivating pages
> > belonging to a container that has gone over the limit. Even though this
> > allows containers to go over board their limits but 1- once they are
> > over the limit then they run in degraded manner and 2- if there is any
> > memory pressure then the (extra) pages belonging to this container are
> > the prime candidates for swapping (for example). The statistics that
> > are shown in each container directory are the current values of each

> > resource consumption.
> >
> > Please let me know if you need any more specific information about the
> > patch set.
>
> A general description for the containers needs to go into Documentation/
> along with the usage example, so that potential users know what to do
> with it. The above seems fine, just remove the "this patch" references.
>

Okay.

Thanks,
-rohit