
Subject: Re: [Patch 01/05]- Containers: Documentation on using containers
Posted by [Rohit Seth](#) on Fri, 15 Sep 2006 18:19:14 GMT

[View Forum Message](#) <> [Reply to Message](#)

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/configs/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 getting 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
