
Subject: Re: OS/app in the OpenVZ container
Posted by [kir](#) on Thu, 10 Nov 2011 10:36:30 GMT
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On 11/10/2011 01:29 PM, Stoyan Stoyanov wrote:

> If thats right you just need to isolate the application process/
> processes ? So may be the best way is just chroot it in the standard
> linux way.

This way you will only isolate the file system (and not in totally inescapable way I must add). chroot() is essentially a file system namespace, and there are a dozen of others in OpenVZ, and then a dozen of resource limits.

> of course u can set limits too, but i don't thing it's
> possible in os-virtualization level to run only application?

It is possible. As I noted in another reply to this thread, OpenVZ kernel just runs /sbin/init inside the container and assumes that init will handle the rest.

>
>
> On Nov 10, 2011, at 10:59 AM, Tommy wrote:
>

> > Yes, it's possible to run a single app in a container.
> > The easiest way is to let the startup scripts setup /proc, /sysfs
> > and the rest of environment and then specify in inittab or rc.X what
> > to run on this particular runlevel.
> >
> > However, for media player you may also need to run some of X parts,
> > not just a media player alone.

> >
> > Thanks,
> > Kirill

> >
> >
> >
> > On Nov 10, 2011, at 11:29 , Tommy wrote:

> >
> > Hi All,
> >
> > I'm doing some research on processing virtual machine recently.

> >
> > As I what know now, I think OpenVZ vps runs the same OS kernel as
> > the host system.
> > The vps is a group of processes which are forked on the host system.

> > In the OpenVZ container, there are some processes to run an OS.
> > Is it possible to run only one App in the container instead of the
> > OS based on the host OS? such as a media player?
> > what are work should I need to do mainly?
> > could you give me some suggestion?
> >
> > Thanks.
> >
> > Tommy
> > --
> > Yours Sincerely!
> >
> >
> >
> > <ATT00001.c>
> >
> > hello,
> >
> > I think I didn't describe my question clearly
> >
> > If I want to start an app in the container, I should do the
> > following step:
> > 1.create a container ,start it and there is an Guest OS running
> > in the container now;
> > 2.enter the container and start the app I want;
> >
> > it acts as a system virtual machine
> >
> > what I want to do is :
> > 1.create the container
> > 2.start the app in the container
> >
> > this will act as a process virtual machine
> >
> > any suggestion?
> >
> > thanks
