
Subject: Re: OS/app in the OpenVZ container

Posted by [Stoyan Stoyanov](#) on Tue, 15 Nov 2011 07:50:11 GMT

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You may wanna take a look at this:

<http://qubes-os.org/Architecture.html>

On Nov 10, 2011, at 12:36 PM, Kir Kolyshkin wrote:

> On 11/10/2011 01:29 PM, Stoyan Stoyanov wrote:

> If that's right you just need to isolate the application process/
> processes ? So maybe 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 you can set limits too, but I don't think 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, ther 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
>
> <ATT00001.txt>

Stoyan Stoyanov
Core System Administrator

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1) [maxtelecom-logo.gif](#), downloaded 448 times
