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Subject: Re: OS/app in the OpenVZ container

Posted by [Enrico Weigelt](#) on Wed, 07 Dec 2011 04:23:46 GMT

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\* Kir Kolyshkin <[kir@openvz.org](mailto:kir@openvz.org)> wrote:

> It's pretty simple. What OpenVZ kernel does it creates a container and  
> runs /sbin/init inside it. What goes next is up to that particular  
> /sbin/init. If you need to run an app let /sbin/init run just it, or let  
> this app be /sbin/init (but bear in mind there will be no child reaper  
> as in usual linux system so you might need to take some extra care about  
> zombie processes).

ACK.

The probably easiest way is to take some minimal OS image, so you also  
get a shell, libc, and essential setups (mounting /proc and /sys), etc.  
You'll most likely also need some little setup stuff to let your app  
communicate with the outside world (eg. routing, filesystem access, etc).

Doing this all completely on your own takes a lot of more efforts,  
but makes a good learning project :)

Some time ago (left it aside due lack of time), I've been working on  
an kind of nano-distro for such use-cases, built with my Briegel  
buildsystem (it crosscompiles tiny images which only include the  
really essential stuff) . If you're really interested, I'd dig it  
out again.

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