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Subject: Re: Re: vzmigrate standby mode  
Posted by [swindmill](#) on Fri, 13 May 2011 16:25:25 GMT  
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The problem with the lsyncd approach is it doesn't guarantee filesystem consistency. If you're running a database or any other application in the container that has open file handles to data that is constantly being manipulated, the data on the remote host isn't guaranteed to be consistent at any point in time. Obviously this can be partially worked around by creating application specific backups inside of the container using database dump tools, etc.

vzctl chkpnt and restore guarantees consistency in that the state of the container is dumped when the checkpoint is created and restored upon restoration of said checkpoint. As long as the dump file and unadulterated filesystem are available, restoration should result in a perfect copy of the container as of when it was checkpointed. That being said, checkpointing makes the container unavailable for a brief period of time and wouldn't be ideal as a means of taking backups of production systems on a regular basis.

Checkpointing for this purpose would probably only make sense for a container with data that doesn't change over time. A simple application server that relies on an external database for instance.

lsyncd is interesting though, I haven't heard of it before and will definitely be doing some research.

Best regards,  
Sterling

On Fri, May 13, 2011 at 5:54 AM, Aleksandar Ivanisevic <[aleksandar@ivanisevic.de](mailto:aleksandar@ivanisevic.de)> wrote:

> Jean-Marc Pigeon <[jmp@safe.ca](mailto:jmp@safe.ca)> writes:

>

> > Hello,

> >

> >

> > I think it will be very convenient to have a way to  
> > prepare/clone a VPS ready to start at moment notice  
> > (standby mode), a kind of action ready backup.

>

> We do it with lsyncd <http://code.google.com/p/lsyncd/> that allows only  
> changed files to be rsynced. Put /vz/private/veidt and  
> /etc/vz/conf/veid.conf in it and you are all set.

>

> Much easier on the machines, no cron necessary and the backups can be  
> made really close to production.

>  
> [...]  
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