Subject: Sync'ing between servers
Posted by tbenoit on Thu, 17 Nov 2005 21:00:00 GMT
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Our use for OpenVZ is a little different than most. We'll be running 1 VPS on each server normally. When we will run 2 VPS on a server is when a primary server dies and will take an unacceptable amount of time to come back up.

With that in mind, we'd like to be able to replicate each VPS to its backup server(s). For example:

SERVER1 = VPS1 (VPS2's backup server)
SERVER2 = VPS2 (VPS1's backup server)

We'd like to use `rsync` every so often (hour, or several hours) to sync VPS1 onto SERVER2 and VPS2 onto SERVER1 which will allow us to more easily bring up the VPS on the backup server if needed.

1) Is this even possible, considering potential corruption issues? I tend to think "Yes". The Application won't have an issue with it. I'm just confirming from an OpenVZ side it'll be ok.

2) If it is, here's the list of directories/files I have set to `rsync`, to sync VPS1 onto SERVER2 (into the same directory structure, of course). Am I missing anything?

..... /vz/private/VPS1
..... /vz/root/VPS1
..... /etc/sysconfig/vz-scripts/VPS1.conf

As always, many thanks for all of your assistance. I truly appreciate it.

Subject: Re: Sync'ing between servers
Posted by dev on Fri, 18 Nov 2005 13:43:32 GMT
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/vz/root is not required. it's mounted VPS content, the same as in private...

Subject: Re: Sync'ing between servers
Posted by tbenoit on Fri, 18 Nov 2005 14:07:59 GMT
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Many thanks for the clarification. I do appreciate it.

Subject: Re: Sync'ing between servers
Posted by youp on Sat, 19 Nov 2005 19:35:04 GMT
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i use virtuozzo and synchronise by crontab in the night ...

i use this script for that :

```
#!/bin/bash
set +x
date=`date '+%y%m%d%H%M%S'`

VMRUN=`/usr/sbin/vzlist | grep running | grep $IP | wc -l`

if [ $VMRUN == "1" ]; then
        /usr/bin/rsync -avz --delete -e ssh /vz/private/$VZ/root/
root@$DESTINATION:/vz/private/$VZ/root/ > /allitscript/logTFT/$VZ-$date.log
fi
```

if the primary server failed :

i will start the VPS the backup server with this command :

mv /etc/sysconfig/vz-scripts/$VZ.conf.stdby vers /etc/sysconfig/vz-scripts/$VZ.conf

vzctl set $VZ --disabled no --save

vzquota drop $VZ
vzctl start $VZ

it's work great

Subject: Re: Sync'ing between servers
Posted by tbenoit on Sun, 20 Nov 2005 02:30:31 GMT
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Many thanks.

Automating the failover was going to be my next step (kind of a "poor man's" cluster).

I appreciate the script. Will save me time from starting my own from scratch.

Subject: Re: Sync'ing between servers
Posted by youp on Sun, 20 Nov 2005 09:02:45 GMT
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i research somebody wich use peerfs , this file system could be synchronise (block mode) in real time on two server , i think it's really a good solution for create a poor cluster
but i don't test it ...

Subject: Re: Sync'ing between servers
Posted by tbenoit on Sun, 20 Nov 2005 15:07:58 GMT
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Thanks for the info. It sounds interesting. I'll check it out.

Subject: Re: Sync'ing between servers
Posted by dev on Sun, 20 Nov 2005 18:46:10 GMT
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youp, I know nothing about peerfs, but I know that we have some investigations about DRBD driver in this direction. DRBD does the same - syncronized block device. Probably, this can help you as well.

Subject: Re: Sync'ing between servers
Posted by youp on Sun, 20 Nov 2005 19:51:55 GMT
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yes, it can help me or other people who create a cluster with openvz, i am interressed

thanks