Subject: Speed up ploop conversion
Posted by marksy on Thu, 20 Jun 2013 19:56:45 GMT
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We are migrating to a new DC and want to shift to ploop as we do. The conversion process, while effective, is just ungodly slow. Is there a way to do it manually so we can rsync a running VM, then shut down and do a final rsync before opening the new ploopified (yes i made that up) version?

Subject: Re: Speed up ploop conversion
Posted by marksy on Fri, 21 Jun 2013 19:54:18 GMT
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If there is a way for us to potentially hack the conversion code to do it, can someone point me in the right direction to get the code?

Subject: Re: Speed up ploop conversion
Posted by marksy on Mon, 24 Jun 2013 16:56:00 GMT
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For anyone who may come across this thread - I'll assume ploop uptake is non-existent based on the lack of interest in this thread, perhaps for good reason. We'll head down the KVM path and update with our experience.

Subject: Re: Speed up ploop conversion
Posted by skywryker on Wed, 26 Jun 2013 09:18:41 GMT
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I am also planning to make this one.

Subject: Re: Speed up ploop conversion
Posted by Ales on Thu, 27 Jun 2013 16:05:19 GMT
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marksy wrote on Mon, 24 June 2013 18:56For anyone who may come across this thread - I'll assume ploop uptake is non-existent based on the lack of interest in this thread, perhaps for good reason. We'll head down the KVM path and update with our experience.

Ploop is still experimental, although I find it very interesting. Judging from the occasional posts on the forum and in the mailing list, I'm sure it has some users already.

Anyway, why do say "perhaps for a good reason", any actual reason for that?

Subject: Re: Speed up ploop conversion
Posted by kir on Sat, 06 Jul 2013 00:41:07 GMT
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Do you do vzmigrate and then vzctl convert, or vise versa? Which step do you find slow?

Subject: Re: Speed up ploop conversion
Posted by marksy on Sun, 07 Jul 2013 19:12:41 GMT
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We followed the ploop doc: openvz.org/Ploop/Getting_started

No vzmigrate - we shut down the VE then ran vzctl convert CTID. Migrating the VE's to the new datacenter is done, we were attempting to convert to ploop in-place.

Subject: Re: Speed up ploop conversion
Posted by devonblzx on Mon, 09 Sep 2013 09:36:52 GMT
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<< Posted my updated script below which uses ploop init >>

Subject: Re: Speed up ploop conversion
Posted by devonblzx on Sat, 21 Jun 2014 14:47:15 GMT
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Wanted to keep this thread updated for the ploop conversion script I wrote. There were some bugs in the old version that were reported. I applied some fixes and more checks. Ploop init also no longer sets a default filesystem, so I made sure that is set to ext4.

Blog post: http://blog.byteonsite.com/?p=10

```
#!/bin/sh
# ./convert VEID
rsync_options='-aHv'
partition='vz'
if [ ! -e /etc/vz/conf/$1.conf ]; then
echo "Virtual server configuration file: /etc/vz/conf/$1.conf does not exist."
exit 1
fi
if [ -d /$partition/private/$1/root.hdd ]; then
echo "Server already has ploop device"
exit 1
```

```
fi
if [ ! -d /$partition/private/$1 ]; then
echo "Server does not exist"
exit 1
fi
# Get disk space in G of current VPS
disk=`vzctl exec $1 df -BG | grep simfs | head -n1 | awk {'print $2'}`
if [ ! $disk ]; then
echo "Could not retrieve disk space figure.  Is VPS running?"
exit 1
fi
# Create and mount file system
mkdir -p /$partition/private/1000$1/root.hdd
if [ ! -d /$partition/private/1000$1/root.hdd ]; then
echo "Unable to create temporary VE_PRIVATE"
exit 1
fi
if ! ploop init -s $disk -t ext4 /$partition/private/1000$1/root.hdd/root.hdd ; then
echo "Unable to create ploop device.  Make sure diskspace is set on VPS."
exit 1
fi
cp /etc/vz/conf/$1.conf /etc/vz/conf/1000$1.conf
if ! vzctl mount 1000$1 ; then
echo "Unable to mount ploop device";
exit 1;
fi
# Rsync over files (sync 1)
rsync $rsync_options /$partition/root/$1/. /$partition/root/1000$1/
# Stop primary, mount, sync final
vzctl stop $1
vzctl mount $1
rsync $rsync_options /$partition/root/$1/. /$partition/root/1000$1/
vzctl umount $1
vzctl umount 1000$1
mv /$partition/private/$1 /$partition/private/$1.backup
mv /$partition/private/1000$1 /$partition/private/$1
vzctl start $1
# Cleanup
rm -f /etc/vz/conf/1000$1.conf
rmdir /vz/root/1000$1
# Verification
verify=`vzlist -H -o status $1`
if [ `vzlist -H -o status $1` = "running" ]; then
echo "Virtual server conversion successful.  Verify manually then run: rm -Rf
/$partition/private/$1.backup to remove backup."
else
echo "Server conversion was not successful..Reverting.."
mv -f /$partition/private/$1 /$partition/private/$1.fail
```

```
mv /$partition/private/$1.backup /$partition/private/$1
vzctl start $1
fi
```