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Subject: Cloning and permissions

Posted by [Peter Machell](#) on Mon, 17 Dec 2007 12:40:56 GMT

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After cloning a Debian host, I found everything working except MySQL.

I had to chown its binaries, databases and log folder back to mysql from root.

Is this normal and should I expect other permissions to have changed? When copying the VZ does the ownership of files take on whatever matches the UID on the host system?

regards,  
Peter.

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Subject: Re: Cloning and permissions

Posted by [dev](#) on Mon, 17 Dec 2007 14:12:03 GMT

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Peter,

It depends on what you mean by "cloning". What exact command/operations you did?

BTW, do you mean OpenVZ or Virtuozzo?

Thanks,  
Kirill

Peter Machell wrote:

> After cloning a Debian host, I found everything working except MySQL.

>

> I had to chown its binaries, databases and log folder back to mysql from root.

>

> Is this normal and should I expect other permissions to have changed?

> When copying the VZ does the ownership of files take on whatever

> matches the UID on the host system?

>

> regards,  
> Peter.

---

Subject: Re: Cloning and permissions

Posted by [Jean-Michel Caricand](#) on Mon, 17 Dec 2007 14:44:34 GMT

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> After cloning a Debian host, I found everything working except MySQL.

>

> I had to chown its binaries, databases and log folder back to mysql

> from root.

>

> Is this normal and should I expect other permissions to have changed?

> When copying the VZ does the ownership of files take on whatever

> matches the UID on the host system?

>

> regards,

> Peter.

Hi Peter,

If you use rsync to copy your VE, you must add this option : --numeric-ids

Cheers.

--

Jean-Michel Caricand

E-mail: [jean-michel.caricand@lifc.univ-fcomte.fr](mailto:jean-michel.caricand@lifc.univ-fcomte.fr)

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Subject: Re: Cloning and permissions

Posted by [Jean-Michel Caricand](#) on Mon, 17 Dec 2007 14:51:11 GMT

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> Peter,

>

> It depends on what you mean by "cloning". What exact command/operations

> you did?

>

> BTW, do you mean OpenVZ or Virtuozzo?

>

> Thanks,

> Kirill

>

> Peter Machell wrote:

> > After cloning a Debian host, I found everything working except MySQL.  
> >  
> > I had to chown its binaries, databases and log folder back to mysql  
> > from root.  
> >  
> > Is this normal and should I expect other permissions to have changed?  
> > When copying the VZ does the ownership of files take on whatever  
> > matches the UID on the host system?  
> >  
> > regards,  
> > Peter.  
Hi Peter,

If you use rsync to copy your VE, you must add this option : --numeric-ids

Cheers.

--

Jean-Michel Caricand

E-mail: jean-michel.caricand@lifc.univ-fcomte.fr

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Subject: Re: Cloning and permissions  
Posted by [Peter Machell](#) on Mon, 17 Dec 2007 22:50:27 GMT  
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On 18/12/2007, at 12:15 AM, Kirill Korotaev wrote:

> Peter,  
>  
> It depends on what you mean by "cloning". What exact command/  
> operations  
> you did?

```
vzctl stop xx  
cp -R /vz/private/xx /vz/private/xxx  
cp -R /etc/vz/conf/xx.conf /etc/vz/conf/xxx.conf  
vzctl start xxx
```

> BTW, do you mean OpenVZ or Virtuozzo?

OpenVZ

regards,  
Peter.

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Subject: Re: Cloning and permissions  
Posted by [Gregor Mosheh](#) on Mon, 17 Dec 2007 23:16:40 GMT  
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Peter Machell wrote:

```
> vzctl stop xx
> cp -R /vz/private/xx /vz/private/xxx
> cp -R /etc/vz/conf/xx.conf /etc/vz/conf/xxx.conf
> vzctl start xxx
```

To have cp preserve permissions, use the -p flag.

I use tar instead of cp, for situation like this. Tar, unlike cp, is smart enough to handle symbolic links, permissions, ownerships, and sparse files. Use this age-old Unix Jedi trick:

```
mkdir /home/vz/private/2
cd /home/vz/private/1
tar cf - * | ( cd ../2 ; tar xvf - )
```

--

Gregor Mosheh / Greg Allensworth  
System Administrator, HostGIS cartographic development & hosting services  
<http://www.HostGIS.com/>

"Remember that no one cares if you can back up,  
only if you can restore." - AMANDA

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Subject: Re: Cloning and permissions  
Posted by [Steve Wray](#) on Tue, 18 Dec 2007 00:54:04 GMT  
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Gregor Mosheh wrote:

```
> Peter Machell wrote:
>> vzctl stop xx
>> cp -R /vz/private/xx /vz/private/xxx
>> cp -R /etc/vz/conf/xx.conf /etc/vz/conf/xxx.conf
>> vzctl start xxx
>
> To have cp preserve permissions, use the -p flag.
>
> I use tar instead of cp, for situation like this. Tar, unlike cp, is
```

```
> smart enough to handle symbolic links, permissions, ownerships, and
> sparse files. Use this age-old Unix Jedi trick:
>
> mkdir /home/vz/private/2
> cd /home/vz/private/1
> tar cf - * | ( cd ../2 ; tar xvf - )
```

That doesn't need a -p option? ie

'tar xpvf'

I tend to use 'tar --numeric-owner -cf' as well, just in case.

---

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Subject: Re: Cloning and permissions

Posted by [Gregor Mosheh](#) on Tue, 18 Dec 2007 01:14:20 GMT

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Steve Wray wrote:

```
>> tar cf - * | ( cd ../2 ; tar xvf - )
> That doesn't need a -p option? ie
> I tend to use 'tar --numeric-owner -cf' as well, just in case.
```

I've never used the -p flag but it's always preserved the numerics just fine. That's Slackware and Fedora, probably others. Couldn't hurt to use it, though.

--

Gregor Mosheh / Greg Allensworth

System Administrator, HostGIS cartographic development & hosting services

<http://www.HostGIS.com/>

"Remember that no one cares if you can back up,  
only if you can restore." - AMANDA

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Subject: Re: Cloning and permissions

Posted by [Jean-Michel Caricand](#) on Tue, 18 Dec 2007 07:14:54 GMT

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> On 18/12/2007, at 12:15 AM, Kirill Korotaev wrote:

> > Peter,

> >

> > It depends on what you mean by "cloning". What exact command/

> > operations

> > you did?

>  
> vzctl stop xx  
> cp -R /vz/private/xx /vz/private/xxx  
> cp -R /etc/vz/conf/xx.conf /etc/vz/conf/xxx.conf  
> vzctl start xxx  
>  
> > BTW, do you mean OpenVZ or Virtuozzo?  
>  
> OpenVZ  
>  
> regards,  
> Peter.  
Hi Peter,

I think rsync is the best solution to copy a VE :-)

Example :

```
# rsync -av -numeric-ids /vz/private/101 /vz/private/102 (on the same host)
```

See :

<http://forum.openvz.org/index.php?t=msg&goto=3164&>

Cheers.

--

Jean-Michel Caricand

E-mail: [jean-michel.caricand@lifc.univ-fcomte.fr](mailto:jean-michel.caricand@lifc.univ-fcomte.fr)

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Subject: Re: Cloning and permissions  
Posted by [Peter Machell](#) on Wed, 19 Dec 2007 10:13:53 GMT  
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On 18/12/2007, at 5:14 PM, Jean-Michel Caricand wrote:

>  
> Hi Peter,  
>  
> I think rsync is the best solution to copy a VE :-)  
>  
> Example :  
>  
> # rsync -av -numeric-ids /vz/private/101 /vz/private/102 (on the

> same host)

Thanks Jean-Michel that works a treat. You forgot a - though, for the record the right command (at least on Debian) is:

```
# rsync -av --numeric-ids /vz/private/101 /vz/private/102
```

regards,  
Peter.

---