
Subject: Template and Wrong permission's.
Posted by [AshleyUk](#) on Tue, 27 Oct 2009 11:05:20 GMT
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Hello,

I used the basic CentOS 5 Minimal Template, and then updated the template using yum and installed ISPConfig2.

I then shutdown most processes mysql,httpd,postfix e.t.c, then shutdown the VPS and tared the template up using " tar -pczf /vz/template/cache/CentOS-5.4-i386-ISPConfig.tar.gz ." while I was inside /vz/private/118

I have done a few templates now and they are all fine, however this one if I use it on the same node it's fine, however if I use it on another node mysql can not start.

For example the directory /var/run/mysql is not owned by mysql:mysql but instead some random number's like 140:140.

Is there a reason for this? Should I be excluding the run directory will it just get created when the VPS boot's up again, why am I not having problems with the other templates ive made?

Thanks,
Ashley

Subject: Re: Template and Wrong permission's.
Posted by [kir](#) on Tue, 27 Oct 2009 12:55:05 GMT
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You need to use --numeric-owner option when creating a tarball

Subject: Re: Template and Wrong permission's.
Posted by [AshleyUk](#) on Tue, 27 Oct 2009 13:06:22 GMT
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Hello,

Will give this a try now and report back.

Thanks,
Ashley

Subject: Re: Template and Wrong permission's.
Posted by [AshleyUk](#) on Tue, 27 Oct 2009 14:29:46 GMT
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Hello,

Still getting this problem, if template is used on the Node it was created on it's fine however straight away i move the tar.gz to another node mysql fails to start becuae of user/group ownership of certain directories.

For example

running ls -l in /var/run shows :

```
drwxr-xr-x 2 102 104 4096 Oct 27 14:56 mysqld
```

Where the actual output for the mysqld folder should be

```
drwxr-xr-x 2 mysql mysql 4096 Oct 27 14:56 mysqld
```

running "chown -R mysql:mysql mysqld", mysql then starts fine, however I am trying to release these template's for openvz hosts.

I know it must be possible as for example the 3rd party OS templates on openvz.org work fine.

Im using "tar -pczf --numeric-owner /vz/template/cache/CentOS-5.4-i386-ISPCConfig2.tar.gz" to tar the files after changing to "/vz/private/#vzid#" directory and stopping the VPS.

Thanks,
Ashley

Subject: Re: Template and Wrong permission's.
Posted by [kir](#) on Tue, 27 Oct 2009 14:52:04 GMT
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OK...

Quote:Im using "tar -pczf --numeric-owner
/vz/template/cache/CentOS-5.4-i386-ISPCConfig2.tar.gz"

This appears to be an incorrect command (at least on my system).

This is because (a) 'f' option should be followed by a file name, i.e. "tar ...f file.tar.gz". In your case you specify to pack the file /vz/template/cache/CentOS-5.4-i386-ISPCConfig2.tar.gz into a tarball named (literally) "--numeric-owner". So no, you have not recreated your tarball using the correct options, instead you are just using the old one.

(b) You forgot the dot (.) at the end.

The correct command would be something like

```
tar -pczf /vz/template/cache/CentOS-5.4-i386-ISPCConfig2.tar.gz --numeric-owner .
```

So, please

- (1) use the correct tar command and options
- (2) remove the old tarball before creating a new one
- (3) check the resulting tarball's date/time.

Also you can check if the uids/gids inside the tarball are correct. For that, find out the uid/gid of mysql inside the CT:

```
ls -lnd /var/run/mysqld  
grep mysql /etc/passwd  
grep mysql /etc/group
```

Then, check the resulting tarball:

```
tar tzvf file.tar.gz var/run/mysqld
```

You should see uid/gid as numbers (not names) and they should be the same as the ones you saw the step before (in `ls -lnd` and `grep` output).

Subject: Re: Template and Wrong permission's.
Posted by [AshleyUK](#) on Tue, 27 Oct 2009 14:55:45 GMT
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Hello,

Sorry bit of mistyping

Im using `tar -pczf --numeric-owner /vz/template/cache/CentOS-5.4-i386-ISPCConfig2.tar.gz .`

With a dot at the end, while im the folder `/vz/private/#vzid#` which my understanding takes all files from that directory and tars them up.

However I will put `--numeric-owner` at the end and see if that makes any difference.

Thanks,
Ashley

Subject: Re: Template and Wrong permission's.
Posted by [kir](#) on Tue, 27 Oct 2009 15:14:37 GMT
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AshleyUk wrote on Tue, 27 October 2009 17:55

I'm using `tar -pczf --numeric-owner /vz/template/cache/CentOS-5.4-i386-ISPConfig2.tar.gz` .

See, the problem is tar's option 'f' requires an argument, a name of a tarball file. When you run it with 'f --numeric-owner' you specify '--numeric-owner' as a name of a tarball. All the other arguments are treated as files/directories to be (in your case) added to the tarball. Yes, tar is an old program with somewhat strange options, that sometimes lead to strange results.

So run `ls` in the directory you ran the tar in and be amazed that you have a file named `--numeric-owner` (and to remove it, use `rm -- --numeric-owner`, here `--` is for `rm` to treat the following arguments as file names, not options).

Also, do not skip the part where I recommend checking the timestamp on a created tarball, and removing the old tarball before creating a new one.

Subject: Re: Template and Wrong permission's.

Posted by [AshleyUk](#) on Tue, 27 Oct 2009 15:18:25 GMT

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Hello,

Thanks for your helping, I now created using the correct command, I then checked and it come back with the same uid and gid as the original output from the VPS, so now just waiting for it to be tested on another node and will get back to you.

Thanks,
Ashley

Subject: Re: Template and Wrong permission's.

Posted by [AshleyUk](#) on Tue, 27 Oct 2009 17:04:27 GMT

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Hello,

This has now been tested and work's fine, now off to find the donate button

Thanks,
Ashley