Subject: *SOLVED* Create FC6 Template
Posted by Olate on Mon, 12 Mar 2007 21:20:09 GMT
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If I wanted to create my own Fedora Core 6 template, what would be the best way of going about it?

Subject: Re: Create FC6 Template
Posted by Vasily Tarasov on Tue, 13 Mar 2007 08:35:30 GMT
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I think, you can install fc-5 template and update it to fc-6 as while usual node upgrade: fc-5 -> fc-6

HTH,
Vasily.k

Subject: Re: Create FC6 Template
Posted by Alexandr Andreev on Wed, 14 Mar 2007 12:40:35 GMT
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You can also read http://wiki.openvz.org/Debian_template_creation
and http://wiki.openvz.org/Slackware_template_creation to understand how to create a template from __any__ Linux distributive.

The main problem is to create FC6 rootfs image. If you have a rootfs image, you have everything to make your own template.

To create any rootfs you can:

1. Install vmware (or get a real host/new HW disc);
2. Install any linux distributive on it. Use minimal installation!
3. Make tgz image of root filesystem on your target PC (vmware) (tar czf /rootfs.tgz --exclude /rootfs.tgz /)
4. Copy this image to a host, where openvz is installed. (You can copy it by network or flash and so on...)
5. Choose some VEID, to use (assume 777)
6. Untar your rootfs image on a host with OpenVZ:
   # cd /vz/private/777
   # gunzip -dc rootfs.tgz |tar -xvf -
   # rm /vz/private/777/rootfs.tgz
7. Make config for this VE
   # vzctl set 777 --applyconfig vps.basic --save
8. ...
Read wiki pages above to see all next steps required

Subject: Re: Create FC6 Template
Posted by rward on Wed, 14 Mar 2007 13:55:56 GMT
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I've installed Centos 4.4 on my machine.
I then try follow the instructions above and get an error doing the
tar czf /rootfs.tgz --exclude /rootfs.tgz /

It ends with:
tar: /proc/8207/exe: Cannot readlink: No such file or directory
tar: /proc/10461/task/10461/fd/3: Cannot stat: No such file or directory
tar: /proc/10461/fd/3: Cannot stat: No such file or directory
tar: Error exit delayed from previous errors

If I continue anyway then when I untar the file it doesn;t have the /etc or /usr or a couple other directories.

Whats the correct way to run the tar?

Subject: Re: Create FC6 Template
Posted by Alexandr Andreev on Wed, 14 Mar 2007 14:31:53 GMT
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First of all, I forget to mention, that it's better to use runlevel 1 while making rootfs tar image. In the runlevel 1 all daemons are stopped and not so much processes are executed. This let us be sure, there are no any temporary files, such as lock's for example.

Startup from /bin/bash instead of /sbin/init is even better! In this case, your machine will be as 'clean' as possible. To start /bin/bash as initial process, do the followings:

1. reboot your host, add init=/bin/bash command line to the kernel (if you use grub, press 'e', 'e' again, add 'init=/bin/bash' to the command line, press 'b' to boot your image with this command line). With lilo just press 'TAB', type 'init=/bin/bash' and press ENTER.

2. When you boot your host, NO any process are executed at all, except /bin/bash and few kernel threads. /proc filesystem is also not mounted.

3. you have to remount your / partition read/write:
mount -o rw,remount /

4. Now you can just use:
tar czf /rootfs.tgz --exclude /rootfs.tgz /

You may also just skip /proc directory when making tar image, so actual command will be in your

case:

tar czf /rootfs.tgz --exclude "/rootfs.tgz" --exclude "/proc" /

Subject: Re: Create FC6 Template
Posted by multik on Fri, 16 Mar 2007 10:17:21 GMT
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http://bugzilla.openvz.org/show_bug.cgi?id=463

Subject: Re: Create FC6 Template
Posted by rward on Fri, 16 Mar 2007 11:29:37 GMT
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managed to get round it - thanks for the help.
My tar command ended up:

tar cvf rootfs.tar --exclude "/rootfs.tar" --exclude "/proc" --exclude "/sys" --exclude "/vz"

I ran that after doing an init 1.

Later, when I extracted the tar file into the /vz/private/xxx/ directory I had to "touch /dev/*/*" else it complains about files being "ahead of time" and doesn't work properly.

I'm still al ittle stuck with a config file problem but should be solving that soon.
