Subject: CentOS 7.x and OpenVZ
Posted by krazybob on Mon, 01 Aug 2016 07:01:48 GMT
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My dedicated server company took 2 weeks to get OpenVZ installed. But thereafter using the 64-bit of everything the server would fail. The indication was the virtual servers (containers) would become inaccessible. Only a hard reboot of the server would restore functionality.

Was this an issue with EXT4 or other issues? I have left Atjeu/Deer Valley Data after the new company took over and made matters worse. I need to know how to tell my new server company to install CentOS 7.x with OpenVZ on top of it. Is there a WiKi page on this specific issue or something helpful?

This is what I have:

This is a short guide to get OpenVZ configured on CentOS 7.

During the install of CentOS 7, be sure to make all file systems apart from swap ext4. OpenVZ is not compatible with the xfs file system. Once you've installed CentOS 7 do not update or do anything except immediately install these packages:

yum localinstall http://download.openvz.org/virtuozzo/releases/7.0/x86_64/os/Packages/v/virtuozzo-release-7.0.0-10.vz7.x86_64.rpm

then install:

yum install -y prlctl prl-disp-service vzkernel

Now reboot and afterwards run uname -r to make sure you're booted to the vz kernel.

Run:
systemctl status vz // to make sure the vz service is running.

You must download templates via yum in order to make containers. To see what templates you already have run
rpm -qa | grep '-ez' // you need to reinstall any that are already there with yum reinstall, otherwise they may not work.

To see which ones you can download run
yum search centos // and look for anything with "ez" on the end.

The last thing before you make a container is making the cache with whatever templates you have. Simply run:
vzpkg create cache centos-7-x86_64

Now you can create a container with that template cache. When you try to create a container leave out everything after the 64, so:

vzctl create 101 --ostemplate centos-7-x86_64

Have I missed anything????

Subject: Re: CentOS 7.x and OpenVZ
Posted by sergeyb on Tue, 02 Aug 2016 11:11:49 GMT
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> Have I missed anything????

Yes. Configuration when OpenVZ components installed on CentOS is unsupported.
But we have unofficial script to upgrade CentOS to OpenVZ/Virtuozzo 7. See thread in users@ maillist - https://lists.openvz.org/pipermail/users/2016-June/006963.ht ml

Subject: Re: CentOS 7.x and OpenVZ
Posted by krazybob on Tue, 02 Aug 2016 20:42:08 GMT
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Am I better off using CentOS 6.7 for stability?

Subject: Re: CentOS 7.x and OpenVZ
Posted by sergeyb on Tue, 02 Aug 2016 21:21:03 GMT
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Could you explain what do you want to do at all?

OpenVZ 7 is not the same as OpenVZ based on 2.6.18/2.6.32 kernels.
OpenVZ 7 is a Linux distributive based on VzLinux. Yes, VzLinux based on RHEL/CentOS packages but it is definitely not the same. Some RPM packages were changed.
It is highly recommended to install OpenVZ from ISO image.

Subject: Re: CentOS 7.x and OpenVZ
Posted by krazybob on Tue, 02 Aug 2016 23:14:24 GMT
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We want to run OpenVZ on top of CentOS 7. Are you saying that CentOS 7 is no longer needed?

Thank you for your help. We had read that we just needed ext4 on the file system but the server would not stay online.

As I recall if we burn the ISO to a DVD we mount the DVD and install directly from there? I've never done that but I can look up the mounting instructions.

Subject: Re: CentOS 7.x and OpenVZ
Posted by sergeyb on Wed, 03 Aug 2016 09:28:08 GMT
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krazybob wrote on Tue, 02 August 2016 23:14Are you saying that CentOS 7 is no longer needed?

Exactly!
Please follow documentation guides: Installation guide and Installation via PXE
to get more info.

Subject: Re: CentOS 7.x and OpenVZ
Posted by krazybob on Wed, 03 Aug 2016 11:34:15 GMT
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I think this is great news. But my vendor may not be willing to do this. I have KVM over IP -- can a base install of CentOS be loaded to make the machine bootable and then OpenVZ installed and rebooted? Or does one need actual console to do this? I don't see this discussed in the tutorial - which is great by the way!

Subject: Re: CentOS 7.x and OpenVZ
Posted by krazybob on Sat, 13 Aug 2016 12:12:37 GMT
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I'm sorry to see no reply to this in nearly two weeks. I'd like to continue using OV but would appreciate some clarity. Is there a Wiki page that discussed this? I can't find one.

Subject: Re: CentOS 7.x and OpenVZ
Posted by krazybob on Sat, 13 Aug 2016 23:38:51 GMT
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That is what my dedicated host provider recommended. But I love OpenVZ and Virtuozzo. When one does web hosting one cannot just change the OS willy-nilly. It is a very detailed process. Why install a version that is closer to EOL than not?

Subject: Re: CentOS 7.x and OpenVZ
Posted by Lucky SB on Tue, 16 Aug 2016 13:04:50 GMT
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i try on centos7

```
yum install -y vzkernel prlctl prl-disp-service libprlsdk-python vzstat
systemctl enable prl-disp
```

systemctl restart prl-disp
systemctl enable vz
systemctl restart vz
systemctl enable ksm
systemctl enable ksmtuned
systemctl enable libvirtd
systemctl restart ksm
systemctl restart ksmtuned
systemctl restart libvirtd
reboot

add VEFSTYPE="simfs" to /etc/vz/vz.conf

vzctl create 106 --ostemplate=centos-6
vzctl create 107 --ostemplate=centos-7

vzctl start 106
vzctl start 107

all fine

to restart container on reboot host-machine need packet libprlsdk-python
this install python sdk lib fot /etc/vcmmd.d/vz python-script

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Subject: Re: CentOS 7.x and OpenVZ
Posted by krazybob on Fri, 19 Aug 2016 11:32:22 GMT
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Did you have to install the server as EXT4 file system? As I recall that was a major issue. Doing it this way goes against the staff of OpenVZ that want it installed from their ISO. Are you missing any features? vzbackup?

Lucky SB wrote on Tue, 16 August 2016 06:04i try on centos7

yum install -y vzkernel prlctl prl-disp-service libprlsdk-python vzstat
systemctl enable prl-disp
systemctl restart prl-disp
systemctl enable vz
systemctl restart vz
systemctl enable ksm
systemctl enable ksmtuned
systemctl enable libvirtd
systemctl restart ksm
systemctl restart ksmtuned
systemctl restart libvirtd

reboot

add VEFSTYPE="simfs" to /etc/vz/vz.conf

vzctl create 106 --ostemplate=centos-6
vzctl create 107 --ostemplate=centos-7

vzctl start 106
vzctl start 107

all fine

to restart container on reboot host-machine need packet libprlsdk-python
this install python sdk lib fot /etc/vcmmd.d/vz python-script

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Subject: Re: CentOS 7.x and OpenVZ
Posted by Lucky SB on Fri, 19 Aug 2016 16:09:02 GMT
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[quote title=krazybob wrote on Fri, 19 August 2016 14:32]Did you have to install the server as EXT4 file system? As I recall that was a major issue. Doing it this way goes against the staff of OpenVZ that want it installed from their ISO. Are you missing any features? vzbackup?

I install server on ext4fs, no lvm

i use simfs, no ploop image, so i missing live migration, snapshot backup etc....

Subject: Re: CentOS 7.x and OpenVZ
Posted by krazybob on Fri, 23 Dec 2016 15:59:16 GMT
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I now know that OpenVZ is bare bones installed. Where do I find the netinstall URL? I have servers that are still quite powerful but have CDROM and not DVD. I have read that public URL's are discouraged so that means I need to ask. I see no mention in the documentation or otherwise.

Thank you.
