
Subject: *SOLVED* Trying to create an ubuntu-edgy template.

Posted by [frenchyp](#) on Wed, 11 Oct 2006 01:49:35 GMT

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Hello OpenVZ community.

My goal is to create an ubuntu-edgy template for openvz.

This is how I proceed:

I use the ubuntu template provided on the openvz wiki.

I enable the repositories for testing, and run apt-get dist-upgrade.

I create the template by removing all the extra information (hostname, IP, history..) and tarring the /vz/private/VEID directory into an archive in /vz/template/cache.

I am then able to create other VPSes using this template and the vzctl create VEID .. command.

The VPS gets installed and starts normally, but I am then facing some issues:

First was that the network was down on bootup. I looked into the /etc/vz/dist/scripts files and it appears that in the debian-add-ip.sh (which this template is using), the ifup -a command is ineffective.

However I was able to fix that by adding /sbin/ifup -a in the /etc/rc.local file. Despite being totally inelegant it works. It makes me think that the starting script is trying to run this command too early during the boot process.

The second issue is that I can't get sshd to start on bootup.

I checked that the symlink to /etc/init.d/ssh was in my /etc/rc<runlevel>.d,

I tried to run it after rc.local,

I tried to add the /etc/init.d/ssh start command to rc.local after the ifup -a, but I can't get sshd to start on boot.

If I enter the VPS and attempt to start it, it runs without any problem.

Does anyone have any idea on this issue? comments?

Thank you very much for your time and help.

Subject: Re: Trying to create an ubuntu-edgy template.

Posted by [Vasily Tarasov](#) on Thu, 12 Oct 2006 12:59:17 GMT

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Hello,

can you provide the access to VE/Node in question to investigate the problem?

Thanks!

Subject: Re: Trying to create an ubuntu-edgy template.

Posted by [frenchyp](#) on Fri, 13 Oct 2006 00:48:33 GMT

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Vass,

Thank you for your offer to look into this issue for me, but I am doing this testing on a production server that belongs to the company I work for and I can't give access to an external person. I am going to play around a little more and setup a dev box, and I'll contact you then. Would a PM be a good way to give you the credentials?

In the mean time I have been digging a little deeper and found out that the `/etc/init.d/ssh` script was stopping on the line `log_begin_msg "Starting OpenBSD Secure Shell server..."`. I commented this line out and it works.

I saw that `log_begin_msg` is defined in `/lib/lsb/init-functions` and I know that this file is read, but somehow the function is not called properly by the `/etc/init.d/ssh` script during the boot process of the VPS..

That's where I am at at the moment, I hope to find more information soon.

Thanks for your help!

Subject: Re: Trying to create an ubuntu-edgy template.

Posted by [Vasily Tarasov](#) on Fri, 13 Oct 2006 05:48:33 GMT

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Thank you very much for your investigation, your results will help somebody in future! PM - is a good way to contact me.

Thanks once again.

Subject: Re: Trying to create an ubuntu-edgy template.

Posted by [frenchyp](#) on Fri, 20 Oct 2006 17:46:16 GMT

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Well I am stuck, I couldn't really find information on `init-functions`.

I noticed that the problem I am facing once I upgrade ubuntu are the same I get when I try to install ubuntu dapper from `debootstrap` (following the wiki instructions).

Obviously somebody managed to fix/work around this issues as the community contributed template for dapper works perfectly. I'll try to find some info on who contributed this template and contact him/her.

Subject: Re: *FINALLY SOLVED* Trying to create an ubuntu-edgy template.

Posted by [rudal](#) on Sat, 11 Nov 2006 08:51:20 GMT

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Hmm I think I finally got it.
I was able to start both the networking and the sshd.

IMO, Edgy is still very much broken

Since edgy was released, it introduces dash as a simple shell.
but it broke many of the shell script, especially the init scripts.

What I did, I changed the "sh" symlink to bash instead of to dash.
I was suspicious initially with dash, i tawt "isnt "sh" was supposedly symlink to bash and now we have dash. . . .?"

Check this link out
<https://launchpad.net/distros/ubuntu/+ticket/1932>

That fixes the whole problem.

But still need more testing and playing around with edgy template.

Hope this helps.

Subject: Re: *SOLVED* Trying to create an ubuntu-edgy template.

Posted by [kir](#) on Mon, 13 Nov 2006 09:20:01 GMT

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BTW can you tell what are the URLs to Edgy Eft repositories? I want to try to bootstrap it using debootstrap.

Subject: Re: *SOLVED* Trying to create an ubuntu-edgy template.

Posted by [rudal](#) on Mon, 13 Nov 2006 10:27:02 GMT

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This is in the sources.list

```
deb-src http://us.archive.ubuntu.com/ubuntu edgy main restricted
deb http://us.archive.ubuntu.com/ubuntu edgy-updates main restricted
deb-src http://us.archive.ubuntu.com/ubuntu edgy-updates main restricted
deb http://archive.ubuntu.com/ubuntu/ edgy multiverse universe main restricted
```

I tried debootstrapping from a ftp site
<ftp://ftp.orst.edu/.1/ubuntu/dists/edgy/>
but still stuck at mounting the proc fs.

Regards,
Rudy

Subject: Re: *SOLVED* Trying to create an ubuntu-edgy template.
Posted by [stec](#) on Fri, 22 Dec 2006 14:52:33 GMT
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I just got it work, applying a very small patch on the /etc/init.d/rc script that avoid output to go to /dev/console (that is obviously not a good idea in a VE.)

To patch /etc/init.d/rc, just add comments as shown here, so QUIET is always yes:

```
#if grep -w -q quiet /proc/cmdline 2>/dev/null; then
    QUIET=yes
#else
# QUIET=no
#fi
```

Duno why this is an issue, but later in the script, if QUIET=no, an stty command has been changed compare to dapper:

```
dapper: (no condition) stty onlcr 0>&1
edgy: stty onlcr </dev/console >/dev/console 2>&1
```

This seems to make the rc script abord and produce the init error: no more processes left in this runlevel.

Subject: Re: *SOLVED* Trying to create an ubuntu-edgy template.
Posted by [voidmain](#) on Mon, 08 Jan 2007 01:32:24 GMT
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Did this install twice and figured it out. Now, I'd like to find out if OpenVZ plans on fixing this issue, but here it is:

Ubuntu 6.06 upgrades do not work as described on the Ubuntu Wiki. There are these steps:

1. Change sources.list to edgy
2. apt-get update
3. apt-get dist-upgrade

4. apt-get dist-upgrade

The second dist-upgrade installs upstart, which IS NOT WORKING with OpenVZ. This requires some messaging libraries and handling in the kernel, that isn't working. If you leave out step 4, the upgrade works. Like this:

1. Change sources.list to edgy
2. apt-get update
3. apt-get dist-upgrade

The issue I'm having is that upstart should work fine. Anyone have ideas about fixing upstart to work or OpenVZ to work with upstart? Anyone from the OpenVZ dev team have ideas on upstart?

Subject: Re: *SOLVED* Trying to create an ubuntu-edgy template.
Posted by [mperkel](#) on Fri, 19 Jan 2007 14:31:23 GMT
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Sorry - posted to wrong thread.
