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Subject: How-to upgrade a Ubuntu-8.04 LTS VE to a 10.04 VE?

Posted by [Michael Chinn](#) on Wed, 09 Feb 2011 01:52:23 GMT

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Greetings:

I run Debian-5 (Lenny) as my OpenVZ host OS with 3 Ubuntu-8.04 LTS VE's and a Debian-5 VE.

Question: I'd like to upgrade the production 8.04 VE's to 10.04.

Can this be done?

I tried searching but couldn't find a definitive (recommended) procedure for performing a "distribution upgrade" to production VE's.

Is there such a procedure?

Thanks.

Michael

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Michael Chinn  
Miguel(dot)Chinn(at)Gmail(dot)com

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Subject: Re: How-to upgrade a Ubuntu-8.04 LTS VE to a 10.04 VE?

Posted by [Josip Rodin](#) on Wed, 09 Feb 2011 19:26:40 GMT

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On Tue, Feb 08, 2011 at 05:52:23PM -0800, Michael Chinn wrote:

> Question: I'd like to upgrade the production 8.04 VE's to 10.04.

>

> Can this be done?

>

> I tried searching but couldn't find a definitive (recommended) procedure  
> for performing a "distribution upgrade" to production VE's.

>

> Is there such a procedure?

Do you have any reason to avoid simply following the Ubuntu upgrade procedures?

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2. That which causes joy or happiness.

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Subject: Re: How-to upgrade a Ubuntu-8.04 LTS VE to a 10.04 VE?

Posted by [Michael Chinn](#) on Thu, 10 Feb 2011 04:34:03 GMT

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Josip,

Thanks for the note.

I tried to follow the CLI based procedure to upgrade 8.04 to 10.04. This procedure was of course meant for upgrading a workstation/server not a VE/VPS. As an experiment, I tried the following on a test 8.04-LTS VE:

```
#sudo apt-get install update-manager-core
#sudo nano /etc/update-manager/release-upgrades
```

```
set Prompt=lts
```

```
#sudo do-release-upgrade -d
```

The upgrade process produced some error such as:

```
Setting up makedev (2.3.1-89ubuntu1) ...
/sbin/MAKEDEV: warning: can't read /proc/devices
/sbin/MAKEDEV: warning: can't read /proc/devices
/sbin/MAKEDEV: warning: can't read /proc/devices
```

and

```
Setting up klogd (1.5-5ubuntu4) ...
Installing new version of config file /etc/init.d/klogd ...
* Stopping kernel log daemon...
* Starting kernel log daemon...
[ fail]
```

And then when I attempt to SSH in...

```
#vzctl enter 1041
enter into VE 1041 failed
Unable to open pty: No such file or directory
```

I tried to apply this fix to this error:

```
# vzctl exec 1041 /sbin/MAKEDEV tty
/sbin/MAKEDEV: warning: can't read /proc/devices
```

And from: <http://forum.openvz.org/index.php?t=msg&goto=34305>

I tried this fix:

```
#vzctl exec 1041 'dpkg --force-depends --purge udev'
```

```
#vzctl exec 1041 update-rc.d -f udev remove
#vzctl restart 1041
#vzctl enter 1041
enter into VE 1041 failed
Unable to open pty: No such file or directory
```

No other fixes I found can seem to revive this VE. And it seems like migrating/copying the data from the 8.04 VE's to 10.04 VE's is a more straight-forward means of upgrading...

So, this is what I meant when I asked if there was a definitive, recommended procedure to upgrade an 8.04 VE to a 10.04 VE.

Mike

On 02/09/2011 11:26 AM, Josip Rodin wrote:

> On Tue, Feb 08, 2011 at 05:52:23PM -0800, Michael Chinn wrote:

>> Question: I'd like to upgrade the production 8.04 VE's to 10.04.

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>> Can this be done?

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>> I tried searching but couldn't find a definitive (recommended) procedure

>> for performing a "distribution upgrade" to production VE's.

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>> Is there such a procedure?

>

> Do you have any reason to avoid simply following the Ubuntu upgrade

> procedures?

>

--

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Michael Chinn

Miguel.Chinn@Gmail.com

Office: +1.510.931.6170

Mob: +1.510.908.3015

Fax: +1.510.619.8438

Skype: mchinnp2f

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Subject: Re: How-to upgrade a Ubuntu-8.04 LTS VE to a 10.04 VE?

Posted by [Josip Rodin](#) on Thu, 10 Feb 2011 19:36:22 GMT

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On Wed, Feb 09, 2011 at 08:34:03PM -0800, Michael Chinn wrote:

> The upgrade process produced some error such as:

```
>
> Setting up makedev (2.3.1-89ubuntu1) ...
> /sbin/MAKEDEV: warning: can't read /proc/devices
> /sbin/MAKEDEV: warning: can't read /proc/devices
> /sbin/MAKEDEV: warning: can't read /proc/devices
```

This stuff may be inconsequential... Did dpkg abort here or was this just stderr output you noticed?

```
> Setting up klogd (1.5-5ubuntu4) ...
> Installing new version of config file /etc/init.d/klogd ...
> * Stopping kernel log daemon...
> * Starting kernel log daemon...
> [ fail]
```

What does this machine's syslog say about klogd failing?  
Read it through /var/lib/vz/root/1041/var/log/syslog or similar.

```
> Unable to open pty: No such file or directory
>
> And from: http://forum.openvz.org/index.php?t=msg&goto=34305
>
> I tried this fix:
> #vzctl exec 1041 'dpkg --force-depends --purge udev'
> #vzctl exec 1041 update-rc.d -f udev remove
> #vzctl restart 1041
> #vzctl enter 1041
> enter into VE 1041 failed
> Unable to open pty: No such file or directory
```

You removed udev, which controls /dev entries (wrongly in a VE, I guess), but once you get rid of it, we're still not sure if the static /dev entries got back in place, esp. if it's not working.

The linked bug report indicates that vzctl enter needs /dev/ptyp0. Can you list the contents of the /var/lib/vz/root/1041/dev directory and see if it's there now? If not, run "vzctl exec 1041 /sbin/MAKEDEV ptyp" and see if that creates it?

--

2. That which causes joy or happiness.

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Subject: Re: How-to upgrade a Ubuntu-8.04 LTS VE to a 10.04 VE?  
Posted by [Michael Chinn](#) on Mon, 14 Feb 2011 00:07:03 GMT  
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On 02/10/2011 11:36 AM, Josip Rodin wrote:

> On Wed, Feb 09, 2011 at 08:34:03PM -0800, Michael Chinn wrote:  
>> The upgrade process produced some error such as:  
>>  
>> Setting up makedev (2.3.1-89ubuntu1) ...  
>> /sbin/MAKEDEV: warning: can't read /proc/devices  
>> /sbin/MAKEDEV: warning: can't read /proc/devices  
>> /sbin/MAKEDEV: warning: can't read /proc/devices  
>  
> This stuff may be inconsequential... Did dpkg abort here or was this just  
> stderr output you noticed?

No, this was stderr I noticed

>  
>> Setting up klogd (1.5-5ubuntu4) ...  
>> Installing new version of config file /etc/init.d/klogd ...  
>> \* Stopping kernel log daemon...  
>> \* Starting kernel log daemon...  
>> [ fail]  
>  
> What does this machine's syslog say about klogd failing?  
> Read it through /var/lib/vz/root/1041/var/log/syslog or similar.  
>  
>> Unable to open pty: No such file or directory  
>>  
>> And from: <http://forum.openvz.org/index.php?t=msg&goto=34305>  
>>  
>> I tried this fix:  
>> #vzctl exec 1041 'dpkg --force-depends --purge udev'  
>> #vzctl exec 1041 update-rc.d -f udev remove  
>> #vzctl restart 1041  
>> #vzctl enter 1041  
>> enter into VE 1041 failed  
>> Unable to open pty: No such file or directory  
>  
> You removed udev, which controls /dev entries (wrongly in a VE, I guess),  
> but once you get rid of it, we're still not sure if the static /dev entries  
> got back in place, esp. if it's not working.  
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> The linked bug report indicates that vzctl enter needs /dev/ptyp0. Can you  
> list the contents of the /var/lib/vz/root/1041/dev directory and see if it's  
> there now? If not, run "vzctl exec 1041 /sbin/MAKEDEV ptyp" and see if that  
> creates it?  
>

Josip,

Thank you very much for your suggestions. I think the amount of

thrashing (detective work) done so far to problem-solve this seems to indicate that there is no clean LTS distribution upgrade for this VE.

I think I'll spare my cycles and instead migrate the data on the 8.04 VE's to 10.04 VE's. Thank you.

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