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Subject: Need help understanding kernel version numbers

Posted by [jarcher](#) on Wed, 11 Apr 2007 09:00:42 GMT

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Hi All...

I have always been confused by the kernel version numbers and I finally decided to just look stupid and ask.

I am currently running:

```
actual:/home/jim/openvz/kernels# uname -a
Linux actual.registrationtek.com 2.6.18-openvz-amd64 #1 SMP Mon Mar 12
21:59:13 UTC 2007 x86_64 GNU/Linux
actual:/home/jim/openvz/kernels#
```

The file name for the deb package for this version is:

linux-image-2.6.18-openvz-amd64\_028.18-2.6.18-11-1\_amd64.deb

I see that there is now:

linux-image-2.6.18-openvz-amd64\_028.18.1-2.6.18-12-1\_amd64.d eb

This file has a date of April 11, 2007, so I know it's newer. But how can I tell from the version numbers? Both are 028.18 but the newer one has a lower number, .1-2, than the older one, which has 6. So what's the proper way to parse this?

Also, is there a posted list of changes? I'm running OpenVZ in production now and so prefer not to risk an upgrade and reboot unless necessary.

Thanks!

Jim

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Subject: Re: Need help understanding kernel version numbers

Posted by [Thorsten Schifferdeck](#) on Wed, 11 Apr 2007 09:43:32 GMT

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Hi Jim,

Ola has updated the debianized OpenVZ Linux kernel to new Debian Linux Kernel Source :

" linux-image-2.6.18-openvz-amd64\_028.18-2.6.18-12-1\_amd64.deb " :

linux-image-2.6.18-openvz-amd64 ...

028.18.1

\\_> OpenVZ Kernel Patch 028test018.1

(-> <http://packages.debian.org/stable/devel/kernel-patch-openvz> )

2.6.18-12-1

\\_> Debian Linux Kernel Source

(-> <http://packages.debian.org/stable/devel/linux-source-2.6.18>)

Regards,  
Thorsten

Jim Archer schrieb:

> Hi All...

>

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> decided to just look stupid and ask.

>

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>

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> production now and so prefer not to risk an upgrade and reboot unless  
> necessary.

>

> Thanks!

>  
> Jim  
>

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Subject: Re: Need help understanding kernel version numbers

Posted by [jarcher](#) on Wed, 11 Apr 2007 10:25:46 GMT

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Ah, thanks very much Thorsten, I see how it works now. Is there a way to tell from the version number if a deb file has a test kernel or a stable one?

--On Wednesday, April 11, 2007 11:44 AM +0200 Thorsten Schifferdecker <[tsd@debian.systs.org](mailto:tsd@debian.systs.org)> wrote:

> Hi Jim,  
>  
> Ola has updated the debianized OpenVZ Linux kernel to new Debian Linux  
> Kernel Source :  
>  
> " linux-image-2.6.18-openvz-amd64\_028.18-2.6.18-12-1\_amd64.deb " :  
>  
> linux-image-2.6.18-openvz-amd64 ...  
>  
> 028.18.1  
> \\_> OpenVZ Kernel Patch 028test018.1  
> (-> <http://packages.debian.org/stable/devel/kernel-patch-openvz> )  
>  
> 2.6.18-12-1  
> \\_> Debian Linux Kernel Source  
> (-> <http://packages.debian.org/stable/devel/linux-source-2.6.18>)  
>  
> Regards,  
> Thorsten  
>  
> Jim Archer schrieb:  
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>> Thanks!  
>>  
>> Jim  
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Subject: Re: Need help understanding kernel version numbers  
Posted by [Thorsten Schifferdeck](#) on Wed, 11 Apr 2007 12:31:12 GMT  
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Hi,

028.18.1 -> the digits show me, this is a OpenVZ 028(test0)18.1 patch  
imho a good overview about 2.6.18 OpenVZ kernelpatches and -images  
listed at <http://download.openvz.org/kernel/branches/2.6.18/>

Regards,  
Thorsten

Jim Archer schrieb:

> Ah, thanks very much Thorsten, I see how it works now. Is there a way  
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>> linux-image-2.6.18-openvz-amd64 ...  
>>  
>> 028.18.1  
>> \\_> OpenVZ Kernel Patch 028test018.1  
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>> 2.6.18-12-1  
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