Subject: Need help understanding kernel version numbers
Posted by jarcher on Wed, 11 Apr 2007 09:00:42 GMT
View Forum Message <> Reply to Message

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

Subject: Re: Need help understanding kernel version numbers
Posted by Thorsten Schifferdeck on Wed, 11 Apr 2007 09:43:32 GMT
View Forum Message <> Reply to Message

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...
>
> 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
>

Subject: Re: Need help understanding kernel version numbers
Posted by jarcher on Wed, 11 Apr 2007 10:25:46 GMT
View Forum Message <> Reply to Message

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> 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:
>> 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
>>

Subject: Re: Need help understanding kernel version numbers
Posted by Thorsten Schifferdeck on Wed, 11 Apr 2007 12:31:12 GMT
View Forum Message <> Reply to Message

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
> 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> 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:
>>> 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
