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Subject: bash script to build kernels for Debian  
Posted by [coolcold](#) on Sun, 29 Apr 2012 20:55:02 GMT  
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Hello!

I've created script for myself to build Debian packaged kernels from source in semi-automated way. Works for me, may be useful for others.

For building current stable version one just need to start script - it will download kernel, patch, config and do compilation.

Code is located on github and is accessible via  
<https://github.com/CoolCold/tools/blob/master/openvz/kernel/create-ovz-kernel-for-debian.sh>.

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Best regards,  
[COOLCOLD-RIPN]

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Subject: Re: bash script to build kernels for Debian  
Posted by [kir](#) on Thu, 03 May 2012 05:11:55 GMT  
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On 04/30/2012 12:55 AM, CoolCold wrote:

> Hello!

>

> I've created script for myself to build Debian packaged kernels from  
> source in semi-automated way. Works for me, may be useful for others.

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> Code is located on github and is accessible via  
> <https://github.com/CoolCold/tools/blob/master/openvz/kernel/create-ovz-kernel-for-debian.sh>.

>

Looking good, thanks. Are you satisfied with the kernel you have this way? I mean, are you using it in production, how many nodes etc.

A few minor suggestions for the script itself:

1. "#checking packages" better be moved before read -t 10, no need to wait then see that we can't build

2. `s/$(fgrep processor /proc/cpuinfo|wc -l)/$(grep -cw ^processor /proc/cpuinfo)/`

3. print\_usage could be improved to not hardcode current defaults but take it from KERNELINFO

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Subject: Re: bash script to build kernels for Debian  
Posted by [coolcold](#) on Thu, 03 May 2012 21:16:57 GMT  
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On Thu, May 3, 2012 at 9:11 AM, Kir Kolyshkin <[kir@openvz.org](mailto:kir@openvz.org)> wrote:

> On 04/30/2012 12:55 AM, CoolCold wrote:

>>

>> Hello!

>>

>> I've created script for myself to build Debian packaged kernels from  
>> source in semi-automated way. Works for me, may be useful for others.

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>>

>

> Looking good, thanks. Are you satisfied with the kernel you have this way? I  
> mean, are you using it in production, how many nodes etc.

Servers with kernel built exactly with this script in production which I have is 3 and one of friend of mine (not much load, just 3 VEs for tests), this number going to increase twice soon. But in general I'm using kernels build with make-kpkg since 2008 .

>

> A few minor suggestions for the script itself:

>

> 1. "#checking packages" better be moved before read -t 10, no need to wait  
> then see that we can't build

>

> 2. s/\$(fgrep processor /proc/cpuinfo|wc -l)/\$(grep -cw ^processor  
> /proc/cpuinfo)/

1 & 2 done - <https://github.com/CoolCold/tools/commit/a5a56976fb84de9c6914072daa8daadad7d358bf>

>

> 3. print\_usage could be improved to not hardcode current defaults but take  
> it from KERNELINFO

Not sure got your point about 3 - I'm considering that usage output as some reference in general, not as exact values, that's why it contains

lines like:

echo "-R <rhelid> - specifies rhel version id, now latest rhel is 6,  
previous was 5."

to make people know - it may be such or other way. Turning back to  
your suggestion I think I can print default values at the end, like:

echo "-R <rhelid> - specifies rhel version id, now latest rhel is 6,  
previous was 5. [Default is: \${KERNELINFO["rhelid"]} ]"

what do you think about this?

>

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Best regards,  
[COOLCOLD-RIPN]

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