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Subject: New kernel branches structure

Posted by [kir](#) on Wed, 28 Mar 2007 15:10:40 GMT

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OpenVZ project has changed the directory structure of kernel downloads, and the structure of yum repositories holding different kernels. Read on for more information and actions you need to take.

== New yum repos structure ==

If you are using non-stable kernel with yum, you have to update your `openvz.repo`. Get a new one from here --

`http://download.openvz.org/openvz.repo` -- and put it to your `/etc/yum.repos.d/` directory.

\* NOTE THAT THE OLD `openvz.repo` MIGHT NOT WORK FOR YOU \*

From now on, the following yum repos are available:

[`openvz-utils`]

Latest utilities. Note that now this does not include the kernel, so you have to enable one of the below repos.

[`openvz-kernel-rhel5`]

[`openvz-kernel-2.6.18`]

[`openvz-kernel-rhel4`]

Stable kernel branches.

[`openvz-kernel-2.6.16`]

[`openvz-kernel-2.6.20`]

Development kernel branches.

[`openvz-kernel-2.6.8`]

Obsoleted kernel branches.

== New `download.openvz.org/kernel` structure ==

Now, instead of having a single stable and a single development branch, there are several from each category. So, the directory structure of `http://download.openvz.org/kernel` (and `ftp://ftp.openvz.org/kernel`) was changed appropriately.

The following branches are available from `http://download.openvz.org/kernel/branches/`:

Stable, maintained branches:

`rhel5-2.6.18`

`2.6.18`

rhel4-2.6.9

Development branches (will eventually reach the stable status):

2.6.20

sles10-2.6.16

Obsoleted (no more maintained) branches:

fc5

2.6.16

2.6.15

2.6.8 (reached stable)

In each kernel branch directory (e.g. kernel/branches/2.6.18) there is a 'current' symlink, pointing to the latest/newest kernel from this branch. In addition, if this branch is considered stable, there is a 'stable' symlink pointing to the same kernel.

In addition, the top level directory (e.g. kernel/) have the following symlinks for your convenience, pointing to the latest kernels in the appropriate branch:

stable-2.6.18-rhel5 -> branches/rhel5-2.6.18/stable

stable-2.6.18 -> branches/2.6.18/stable

stable-2.6.9-rhel4 -> branches/rhel4-2.6.9/

stable-2.6.8 -> branches/2.6.8/stable

latest-2.6.20 -> branches/2.6.20/current

latest-2.6.18 -> branches/2.6.18/current

latest-2.6.16 -> branches/2.6.16/current

latest-2.6.15 -> branches/2.6.15/current

Also, a few symlinks are provided in order to try to maintain backward compatibility with the old directory structure:

debian -> branches/debian

devel -> branches/2.6.20

fc5 -> branches/fc5

rhel5 -> branches/rhel5-2.6.18/

suse10 -> branches/sles10-2.6.16/

== New download pages ==

Kernel download pages (those under <http://openvz.org/download/>) are being migrated to <http://wiki.openvz.org>. For now, 2.6.20 is served from [http://wiki.openvz.org/Download\\_kernel\\_2.6.20](http://wiki.openvz.org/Download_kernel_2.6.20), other branches will follow.

== Bugs ==

A backward-compatible symlinks are provided in

<http://download.openvz.org/kernel/>, but they might be not sufficient. In case you have a problem downloading or finding OpenVZ kernel, please report to <http://bugzilla.openvz.org/>, or directly to me ([kir@openvz.org](mailto:kir@openvz.org)).

== Mirrors ==

OpenVZ download mirrors ([http://wiki.openvz.org/Download\\_mirrors](http://wiki.openvz.org/Download_mirrors)) are catching the new changes slowly. It can take some time before they will be fully synchronized with the new layout. Please do not report bugs about mirrors for a week or so

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