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Subject: Re: openvz patched vanilla kernel vs redhat kernel

Posted by [maratrus](#) on Tue, 19 Aug 2008 11:35:33 GMT

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Hi,

Quote:

I mean is it safe to run RHEL kernel on non RHEL based distribution like gentoo?

Maybe there might be some incompatibilities between the RHEL kernel and non RHEL userspace tools, like for example there are some RHEL glibc patches that need to be applied to non RHEL glibc?

Yes, you're absolutely right. Generally speaking, the only one principle should be true, namely: the only that sort of kernel really works with particular OS that is distributed with this OS.

For example, RHEL5 based kernel (also OpenVZ RHEL5 based) should work on RHEL5/CentOS5 system but might not work on RHEL4 OS. The problems can appear for example either during the installation of this kernel (wrong initrd) or during any userspace program executing (you've mentioned glibc patching).

The last example that's occurred to my mind - our kernels on OpenSuse10.3 OS:

[http://bugzilla.openvz.org/show\\_bug.cgi?id=647](http://bugzilla.openvz.org/show_bug.cgi?id=647)

and here the reason is described:

[http://forum.openvz.org/index.php?t=msg&th=6162&#msg\\_30660](http://forum.openvz.org/index.php?t=msg&th=6162&#msg_30660)

From the last example we can make a conclusion that old kernel might not work with fresh OS. The following statement is also right. Fresh kernels might be not match to elder distrs.

I don't know the common rule of determining if this kernel matches the particular OS. Every case should be investigated individually.

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