
Subject: Overlay filesystems in OpenVZ kernel
Posted by [xaxaxa](#) on Sun, 12 Aug 2012 19:31:08 GMT
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Does anyone know if there are any overlay filesystems(overlayfs, unionfs, aufs, mini_fo, etc) that work with openvz? I'm using the latest stable RHEL6 kernel.
I've tried compiling aufs but all the patches fail to apply.

The filesystem needs to be in-kernel(not FUSE) for performance reasons.

I'm looking for an open source alternative to vzfs which is proprietary .

Subject: Re: Overlay filesystems in OpenVZ kernel
Posted by [xaxaxa](#) on Mon, 20 Aug 2012 00:19:26 GMT
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UPDATE:

I tried using unionfs-fuse, and the performance was REALLY bad.

Then I tried applying the aufs patch on the openvz kernel, but none of them applied cleanly (I tried the patches for kernel versions from 2.6.32 to 2.6.38).

Unionfs didn't work either; the patched applied cleanly, but there were a few compilation errors; I corrected the errors (most of them are quite trivial, for example a new parameter was introduced in file_operations::fsync, which was never used in the unionfs code);

The kernel booted fine, and I could mount unionfs filesystems, but as soon as I tried to access any files under the unionfs mount, there was a deadlock and the process just hung).

I didn't try to fix the deadlock as I'm not a kernel hacker.
