Subject: Re: nfs mount vs. mount --bind

Posted by maratrus on Mon, 29 Jun 2009 14:57:47 GMT

Hi,

first of all, it seems that you have Virtuozzo installed, not OpenVZ, so you'd better ask such questions to virtuozzo support team instead of asking them here because it is an OpenVZ support forum.

But in this particular situation it might be said the following:

you don't need an umount script.

After "mount --bind" is invoked the information about this bind mount is available inside VE. Have a look at /proc/mounts inside VE. Thus, when a VE is stopping appropriate init scripts umount the necessary mount points properly.

The main problem is that the information about bind mounts is written to /etc/mtab so to the moment when a VEs umount script is invoked bind mount is already umounted. /bin/umount fails to do umount and umount the whole nfs mount. Hence, this is not an OpenVZ/Virtuozzo problem but the behavior of /bin/umount binary.

As an additional workaround you can perform bind mounts using "-n" option i.e. "mount -n --bind"