I tried to replace rhel native kernel on RHEL4 with openvz one and got problems. First i tried binary rpms and it was ok. The problem is i use dkms (dell kernel management system) which needs kernel sources. (On enterprise systems dkms is a MUST - cause its provides simple and comfortable way to update drivers and keep previous versions). This supposes that there is kernel src and of cause that box runs same kernel which sources are used for building drivers. So i downloaded ovzkernel-2.6.9-023stab016.2.src.rpm , i used smp config , built kernel , reloaded , all was ok . I tried to imply dkms , for instance i had megaraid_sas driver (which i built as module) but building same driver from vendor via dkms failed.
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[dagr@ws-ca rhel42.03]$ sudo cat /var/lib/dkms/megaraid_sas/v00.00.02.03/build/ make.log
DKMS make.log for megaraid_sas-v00.00.02.03 for kernel 2.6.9-23.016 (i686)
Mon Oct 23 12:18:38 GMT 2006
make: Entering directory `/u03/usr/src/linux-2.6.9-23.016'
  CC [M]   /var/lib/dkms/megaraid_sas/v00.00.02.03/build/megaraid_sas.o
 /var/lib/dkms/megaraid_sas/v00.00.02.03/build/megaraid_sas.c :2710: unknown field
 `unlocked_ioctl' specified in initializer
 /var/lib/dkms/megaraid_sas/v00.00.02.03/build/megaraid_sas.c :2710: warning: init
ialization from incompatible pointer type
 /var/lib/dkms/megaraid_sas/v00.00.02.03/build/megaraid_sas.c :2725: unknown field
 `shutdown' specified in initializer
 /var/lib/dkms/megaraid_sas/v00.00.02.03/build/megaraid_sas.c :2725: warning: init
ialization from incompatible pointer type
make[1]: *** [/var/lib/dkms/megaraid_sas/v00.00.02.03/build/megaraid_sas. o] Erro
r 1
make: *** [_module_/var/lib/dkms/megaraid_sas/v00.00.02.03/build] Error 2
make: Leaving directory `/u03/usr/src/linux-2.6.9-23.016'

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 That time i gave up and later i tried newer ovzkernel-2.6.9-023stab030.1.src.rpm. I found out there is no megaraid_sas included in that release. I find it quite confusing . RHEL4 has megaraid_sas driver since kernel-2.6.9-34.EL.i686 up to the latest kernel-2.6.9-42.0.3.EL.i686 (previous is kernel-2.6.9-22.0.2.EL.i686). So whats the point? Why later version of openvz has no this driver ? And what about dkms , am i supposed to drop it to use openvz ? Did you tried dkms on rhel enterprise openvz kernels ?