Subject: Centos - OpenVZ Kernel doesn't boot (raid problem)
Posted by blunt on Sun, 28 Oct 2007 20:56:06 GMT
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I installed centos 5, with a driver disk for my highpoint raid card. When I install the openvz kernel (using yum), the kernel doesn't boot.

It shows a kernel panic error, and says that no disks are found...What can I do to get it to work? Is there a way for the ovzkernel to use the drivers that the current kernel is using?

Or what should I do to compile it from source with the same drivers of the current setup kernel?

Or any other solution...

Thanks in advance

Subject: Re: Centos - OpenVZ Kernel doesn't boot (raid problem)
Posted by blunt on Sun, 28 Oct 2007 22:07:29 GMT
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here is the output generated by my attempt of getting the openvz kernel working...but it still doesn't. any help appreciated.

the driver is rr2310_00 an is there.

```
[root@server ~]# rm -f  /lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/s
csi/sata_mv.ko
[root@server ~]# rm /boot/initrd-2.6.18-8.1.15.el5.028stab047.1.img
rm: remove regular file `/boot/initrd-2.6.18-8.1.15.el5.028stab047.1.img'? y
[root@server ~]# /sbin/mkinitrd -v -f --preload scsi_mod --preload sd_mod --with=rr2310_00
--builtin=sata_mv /boot/initrd-2.6.18-8.1.15.el5.028stab047.1.img 2.6.18-8.1.15.el5.028stab047.1
Creating initramfs
Looking for deps of module scsi_mod
Looking for deps of module sd_mod: scsi_mod
Looking for deps of module uhci-hcd
Looking for deps of module ohci-hcd
Looking for deps of module ehci-hcd
Looking for deps of module ext3: jbd
Looking for deps of module jbd
Looking for driver for device sda2
Looking for deps of module pci:v00001103d00002300sv000011ABsd000011ABbc01sc00i00:
scsi_mod rr2310_00
Looking for deps of module rr2310_00: scsi_mod
Looking for deps of module sata_nv: scsi_mod libata
Looking for deps of module libata: scsi_mod
Looking for deps of module ide-disk
Looking for deps of module dm-mod
```

Looking for deps of module dm-mirror: dm-mod
Looking for deps of module dm-zero: dm-mod
Looking for deps of module dm-snapshot: dm-mod
Using modules: /lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/s csi/scsi_mod.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/s csi/sd_mod.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/u sb/host/uhci-hcd.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/u sb/host/ohci-hcd.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/u sb/host/ehci-hcd.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/fs/jbd/jb d.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/fs/ext3/e xt3.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/updates/rr2310_0 0.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/s csi/libata.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/s csi/sata_nv.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/m d/dm-mod.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/m d/dm-mirror.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/m d/dm-zero.ko
/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/m d/dm-snapshot.ko
/sbin/nash -> /tmp/initrd.Ns3261/bin/nash
/sbin/insmod.static -> /tmp/initrd.Ns3261/bin/insmod
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ scsi/scsi_mod.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/scsi_mod.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ scsi/sd_mod.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/sd_mod.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ usb/host/uhci-hcd.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/uhci-hcd.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ usb/host/ohci-hcd.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/ohci-hcd.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ usb/host/ehci-hcd.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/ehci-hcd.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/fs/jbd/j bd.ko' [elf32-i386] to
`/tmp/initrd.Ns3261/lib/jbd.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/fs/ext3/ ext3.ko' [elf32-i386] to
`/tmp/initrd.Ns3261/lib/ext3.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/updates/rr2310_ 00.ko' [elf32-i386] to
`/tmp/initrd.Ns3261/lib/rr2310_00.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ scsi/libata.ko' [elf32-i386]
to `/tmp/initrd.Ns3261/lib/libata.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ scsi/sata_nv.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/sata_nv.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ md/dm-mod.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/dm-mod.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ md/dm-mirror.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/dm-mirror.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ md/dm-zero.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/dm-zero.ko' [elf32-i386]
copy from `/lib/modules/2.6.18-8.1.15.el5.028stab047.1/kernel/drivers/ md/dm-snapshot.ko'
[elf32-i386] to `/tmp/initrd.Ns3261/lib/dm-snapshot.ko' [elf32-i386]
/sbin/lvm.static -> /tmp/initrd.Ns3261/bin/lvm

/etc/lvm -> /tmp/initrd.Ns3261/etc/lvm
`/etc/lvm/lvm.conf' -> `/tmp/initrd.Ns3261/etc/lvm/lvm.conf'
Adding module scsi_mod
Adding module sd_mod
Adding module uhci-hcd
Adding module ohci-hcd
Adding module ehci-hcd
Adding module jbd
Adding module ext3
Adding module rr2310_00
Adding module libata
Adding module sata_nv
Adding module dm-mod
Adding module dm-mirror
Adding module dm-zero
Adding module dm-snapshot