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Subject: Re: DL380 G2 - CCISS

Posted by [gramsa49](#) on Sat, 17 Feb 2007 02:18:09 GMT

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Here are the results of the reinstall. Still get the warning that the cciss module does not exist when installing the openvz kernel. I need the cciss driver to use my tape drive.

0-Install CentOS 4.4

from /var/log/messages

```
Feb 16 18:40:10 vz1 syslogd 1.4.1: restart.
Feb 16 18:40:10 vz1 syslog: syslogd startup succeeded
Feb 16 18:40:10 vz1 kernel: klogd 1.4.1, log source = /proc/kmsg started.
Feb 16 18:40:10 vz1 kernel: Linux version 2.6.9-42.ELsmp (buildcentos@build-i386) (gcc
version 3.4.6 20060404 (Red Hat 3.4.6-3)) #1 SMP Sat Aug 12 09:39:11 CDT 2006
Feb 16 18:40:10 vz1 kernel: BIOS-provided physical RAM map:
Feb 16 18:40:10 vz1 kernel: BIOS-e820: 0000000000000000 - 000000000009ec00 (usable)
Feb 16 18:40:10 vz1 kernel: BIOS-e820: 000000000009ec00 - 00000000000a0000 (reserved)
Feb 16 18:40:10 vz1 kernel: BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)
Feb 16 18:40:10 vz1 kernel: BIOS-e820: 0000000000100000 - 0000000008fffc000 (usable)
Feb 16 18:40:10 vz1 kernel: BIOS-e820: 0000000008fffc000 - 00000000090000000 (ACPI data)
Feb 16 18:40:10 vz1 kernel: BIOS-e820: 00000000fec00000 - 00000000fec10000 (reserved)
Feb 16 18:40:10 vz1 kernel: BIOS-e820: 00000000fee00000 - 00000000fee10000 (reserved)
Feb 16 18:40:10 vz1 kernel: BIOS-e820: 00000000ffc00000 - 00000000100000000 (reserved)
Feb 16 18:40:10 vz1 kernel: 1407MB HIGHMEM available.
Feb 16 18:40:10 vz1 kernel: 896MB LOWMEM available.
Feb 16 18:40:10 vz1 kernel: found SMP MP-table at 000f4fd0
Feb 16 18:40:10 vz1 kernel: Using x86 segment limits to approximate NX protection
Feb 16 18:40:10 vz1 syslog: klogd startup succeeded
Feb 16 18:40:10 vz1 kernel: DMI 2.3 present.
Feb 16 18:40:10 vz1 kernel: Compaq ProLiant DL380 G2 detected: force use of acpi=ht
Feb 16 18:40:10 vz1 kernel: Using APIC driver default
Feb 16 18:40:10 vz1 kernel: ACPI: PM-Timer IO Port: 0x240
Feb 16 18:40:10 vz1 kernel: ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Feb 16 18:40:10 vz1 kernel: Processor #0 6:11 APIC version 17
Feb 16 18:40:10 vz1 kernel: ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] disabled)
Feb 16 18:40:10 vz1 kernel: ACPI: LAPIC (acpi_id[0x02] lapic_id[0x02] disabled)
Feb 16 18:40:10 vz1 kernel: ACPI: LAPIC (acpi_id[0x03] lapic_id[0x03] enabled)
Feb 16 18:40:10 vz1 kernel: Processor #3 6:11 APIC version 17
Feb 16 18:40:10 vz1 kernel: ACPI: LAPIC_NMI (acpi_id[0xff] dfl dfl lint[0x1])
Feb 16 18:40:10 vz1 kernel: Enabling APIC mode: Flat. Using 0 I/O APICs
Feb 16 18:40:10 vz1 kernel: Using ACPI for processor (LAPIC) configuration information
Feb 16 18:40:10 vz1 kernel: Intel MultiProcessor Specification v1.4
Feb 16 18:40:10 vz1 kernel: Virtual Wire compatibility mode.
Feb 16 18:40:10 vz1 kernel: OEM ID: COMPAQ Product ID: PROLIANT APIC at:
0xFEE00000
Feb 16 18:40:10 vz1 kernel: I/O APIC #8 Version 17 at 0xFEC00000.
Feb 16 18:40:10 vz1 kernel: I/O APIC #2 Version 17 at 0xFEC01000.
Feb 16 18:40:10 vz1 kernel: Enabling APIC mode: Flat. Using 2 I/O APICs
```

Feb 16 18:40:10 vz1 kernel: Processors: 2  
Feb 16 18:40:10 vz1 kernel: Allocating PCI resources starting at 98000000 (gap: 90000000:6ec00000)  
Feb 16 18:40:10 vz1 kernel: Built 1 zonelists  
Feb 16 18:40:10 vz1 kernel: Kernel command line: ro root=/dev/VolGroup00/LogVol00  
Feb 16 18:40:10 vz1 kernel: Initializing CPU#0  
Feb 16 18:40:10 vz1 kernel: CPU 0 irqstacks, hard=c03ee000 soft=c03ce000  
Feb 16 18:40:10 vz1 kernel: PID hash table entries: 4096 (order: 12, 65536 bytes)  
Feb 16 18:40:10 vz1 kernel: Detected 1397.241 MHz processor.  
Feb 16 18:40:10 vz1 kernel: Using pmtmr for high-res timesource  
Feb 16 18:40:10 vz1 kernel: Console: colour VGA+ 80x25  
Feb 16 18:40:10 vz1 kernel: Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)  
Feb 16 18:40:10 vz1 kernel: Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)  
Feb 16 18:40:10 vz1 kernel: Memory: 2333144k/2359280k available (1876k kernel code, 25112k reserved, 759k data, 184k init, 1441776k highmem)  
Feb 16 18:40:10 vz1 kernel: Calibrating delay using timer specific routine.. 2796.70 BogoMIPS (lpj=1398354)  
Feb 16 18:40:10 vz1 kernel: Security Scaffold v1.0.0 initialized  
Feb 16 18:40:10 vz1 kernel: SELinux: Initializing.  
Feb 16 18:40:10 vz1 kernel: SELinux: Starting in permissive mode  
Feb 16 18:40:10 vz1 kernel: There is already a security framework initialized, register\_security failed.  
Feb 16 18:40:10 vz1 kernel: selinux\_register\_security: Registering secondary module capability  
Feb 16 18:40:10 vz1 kernel: Capability LSM initialized as secondary  
Feb 16 18:40:10 vz1 kernel: Mount-cache hash table entries: 512 (order: 0, 4096 bytes)  
Feb 16 18:40:10 vz1 kernel: CPU: L1 I cache: 16K, L1 D cache: 16K  
Feb 16 18:40:10 vz1 kernel: CPU: L2 cache: 512K  
Feb 16 18:40:10 vz1 kernel: Intel machine check architecture supported.  
Feb 16 18:40:10 vz1 kernel: Intel machine check reporting enabled on CPU#0.  
Feb 16 18:40:10 vz1 kernel: Enabling fast FPU save and restore... done.  
Feb 16 18:40:10 vz1 kernel: Enabling unmasked SIMD FPU exception support... done.  
Feb 16 18:40:10 vz1 kernel: Checking 'hlt' instruction... OK.  
Feb 16 18:40:10 vz1 kernel: CPU0: Intel(R) Pentium(R) III CPU family 1400MHz stepping 01  
Feb 16 18:40:10 vz1 kernel: per-CPU timeslice cutoff: 1462.58 usecs.  
Feb 16 18:40:10 vz1 kernel: task migration cache decay timeout: 2 msecs.  
Feb 16 18:40:10 vz1 kernel: Booting processor 1/0 eip 3000  
Feb 16 18:40:10 vz1 kernel: CPU 1 irqstacks, hard=c03ef000 soft=c03cf000  
Feb 16 18:40:10 vz1 kernel: Initializing CPU#1  
Feb 16 18:40:10 vz1 kernel: Calibrating delay using timer specific routine.. 2792.55 BogoMIPS (lpj=1396277)  
Feb 16 18:40:10 vz1 kernel: CPU: L1 I cache: 16K, L1 D cache: 16K  
Feb 16 18:40:10 vz1 kernel: CPU: L2 cache: 512K  
Feb 16 18:40:10 vz1 kernel: Intel machine check architecture supported.  
Feb 16 18:40:10 vz1 kernel: Intel machine check reporting enabled on CPU#1.  
Feb 16 18:40:10 vz1 kernel: CPU1: Intel(R) Pentium(R) III CPU family 1400MHz stepping 01  
Feb 16 18:40:10 vz1 kernel: Total of 2 processors activated (5589.26 BogoMIPS).  
Feb 16 18:40:10 vz1 kernel: ENABLING IO-APIC IRQs  
Feb 16 18:40:10 vz1 kernel: ..TIMER: vector=0x31 pin1=2 pin2=0

Feb 16 18:40:10 vz1 kernel: ..MP-BIOS bug: 8254 timer not connected to IO-APIC  
Feb 16 18:40:10 vz1 kernel: ...trying to set up timer (IRQ0) through the 8259A ...  
Feb 16 18:40:10 vz1 kernel: ..... (found pin 0) ...works.  
Feb 16 18:40:10 vz1 kernel: checking TSC synchronization across 2 CPUs: passed.  
Feb 16 18:40:10 vz1 kernel: Brought up 2 CPUs  
Feb 16 18:40:10 vz1 kernel: zapping low mappings.  
Feb 16 18:40:10 vz1 kernel: checking if image is initramfs... it is  
Feb 16 18:40:10 vz1 kernel: Freeing initrd memory: 1097k freed  
Feb 16 18:40:10 vz1 kernel: NET: Registered protocol family 16  
Feb 16 18:40:10 vz1 kernel: PCI: PCI BIOS revision 2.10 entry at 0xf0094, last bus=10  
Feb 16 18:40:10 vz1 kernel: PCI: Using configuration type 1  
Feb 16 18:40:10 vz1 kernel: mtrr: v2.0 (20020519)  
Feb 16 18:40:10 vz1 kernel: mtrr: your CPUs had inconsistent fixed MTRR settings  
Feb 16 18:40:10 vz1 kernel: mtrr: probably your BIOS does not setup all CPUs.  
Feb 16 18:40:10 vz1 kernel: mtrr: corrected configuration.  
Feb 16 18:40:10 vz1 kernel: ACPI: Subsystem revision 20040816  
Feb 16 18:40:10 vz1 kernel: ACPI: Interpreter disabled.  
Feb 16 18:40:10 vz1 kernel: Linux Plug and Play Support v0.97 (c) Adam Belay  
Feb 16 18:40:10 vz1 kernel: usbcore: registered new driver usbfs  
Feb 16 18:40:10 vz1 kernel: usbcore: registered new driver hub  
Feb 16 18:40:10 vz1 kernel: PCI: Probing PCI hardware  
Feb 16 18:40:10 vz1 kernel: PCI: Probing PCI hardware (bus 00)  
Feb 16 18:40:10 vz1 kernel: PCI: Discovered peer bus 07  
Feb 16 18:40:10 vz1 kernel: PCI: Device 00:00 not found by BIOS  
Feb 16 18:40:10 vz1 kernel: PCI: Device 00:01 not found by BIOS  
Feb 16 18:40:10 vz1 kernel: PCI: Device 00:02 not found by BIOS  
Feb 16 18:40:10 vz1 kernel: PCI: Device 00:03 not found by BIOS  
Feb 16 18:40:10 vz1 kernel: PCI: Device 00:78 not found by BIOS  
Feb 16 18:40:10 vz1 kernel: apm: BIOS not found.  
Feb 16 18:40:10 vz1 kernel: audit: initializing netlink socket (disabled)  
Feb 16 18:40:10 vz1 kernel: audit(1171651188.085:1): initialized  
Feb 16 18:40:10 vz1 kernel: highmem bounce pool size: 64 pages  
Feb 16 18:40:10 vz1 kernel: Total HugeTLB memory allocated, 0  
Feb 16 18:40:10 vz1 kernel: VFS: Disk quotas dquot\_6.5.1  
Feb 16 18:40:10 vz1 kernel: Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)  
Feb 16 18:40:10 vz1 kernel: SELinux: Registering netfilter hooks  
Feb 16 18:40:10 vz1 kernel: Initializing Cryptographic API  
Feb 16 18:40:10 vz1 kernel: ksign: Installing public key data  
Feb 16 18:40:10 vz1 kernel: Loading keyring  
Feb 16 18:40:10 vz1 kernel: - Added public key 10EA8AC2C8019830  
Feb 16 18:40:10 vz1 kernel: - User ID: CentOS (Kernel Module GPG key)  
Feb 16 18:40:10 vz1 kernel: pci\_hotplug: PCI Hot Plug PCI Core version: 0.5  
Feb 16 18:40:10 vz1 kernel: Real Time Clock Driver v1.12  
Feb 16 18:40:10 vz1 kernel: Linux agpgart interface v0.100 (c) Dave Jones  
Feb 16 18:40:10 vz1 kernel: agpgart: Maximum main memory to use for agp memory: 2170M  
Feb 16 18:40:10 vz1 kernel: agpgart: unable to determine aperture size.  
Feb 16 18:40:10 vz1 kernel: agpgart: agp\_backend\_initialize() failed.  
Feb 16 18:40:10 vz1 kernel: agpgart-serverworks: probe of 0000:00:00.0 failed with error -22

```

Feb 16 18:40:10 vz1 kernel: agpgart: Maximum main memory to use for agp memory: 2170M
Feb 16 18:40:10 vz1 kernel: agpgart: unable to determine aperture size.
Feb 16 18:40:10 vz1 kernel: agpgart: agp_backend_initialize() failed.
Feb 16 18:40:10 vz1 kernel: agpgart-serverworks: probe of 0000:00:00.1 failed with error -22
Feb 16 18:40:10 vz1 kernel: agpgart: Detected ServerWorks CNB20HE chipset: No AGP
present.
Feb 16 18:40:10 vz1 kernel: agpgart: Detected ServerWorks CNB20HE chipset: No AGP
present.
Feb 16 18:40:10 vz1 kernel: serio: i8042 AUX port at 0x60,0x64 irq 12
Feb 16 18:40:10 vz1 kernel: serio: i8042 KBD port at 0x60,0x64 irq 1
Feb 16 18:40:10 vz1 kernel: Serial: 8250/16550 driver $Revision: 1.90 $ 8 ports, IRQ sharing
enabled
Feb 16 18:40:10 vz1 kernel: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A
Feb 16 18:40:10 vz1 kernel: RAMDISK driver initialized: 16 RAM disks of 16384K size 1024
blocksize
Feb 16 18:40:10 vz1 irqbalance: irqbalance startup succeeded
Feb 16 18:40:10 vz1 kernel: Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2
Feb 16 18:40:10 vz1 kernel: ide: Assuming 33MHz system bus speed for PIO modes; override
with idebus=xx
Feb 16 18:40:10 vz1 kernel: SvrWks OSB4: IDE controller at PCI slot 0000:00:0f.1
Feb 16 18:40:10 vz1 kernel: SvrWks OSB4: chipset revision 0
Feb 16 18:40:10 vz1 kernel: SvrWks OSB4: not 100% native mode: will probe irqs later
Feb 16 18:40:10 vz1 kernel: ide0: BM-DMA at 0x2c00-0x2c07, BIOS settings: hda:pio, hdb:pio
Feb 16 18:40:10 vz1 kernel: ide1: BM-DMA at 0x2c08-0x2c0f, BIOS settings: hdc:pio, hdd:pio
Feb 16 18:40:10 vz1 kernel: hda: COMPAQ CD-ROM SN-124Q, ATAPI CD/DVD-ROM drive
Feb 16 18:40:10 vz1 kernel: Using cfq io scheduler
Feb 16 18:40:10 vz1 kernel: ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
Feb 16 18:40:10 vz1 kernel: hda: ATAPI 24X CD-ROM drive, 128kB Cache
Feb 16 18:40:10 vz1 kernel: Uniform CD-ROM driver Revision: 3.20
Feb 16 18:40:10 vz1 kernel: ide-floppy driver 0.99.newide
Feb 16 18:40:10 vz1 kernel: usbcore: registered new driver hiddev
Feb 16 18:40:10 vz1 kernel: usbcore: registered new driver usbhid
Feb 16 18:40:10 vz1 kernel: drivers/usb/input/hid-core.c: v2.0:USB HID core driver
Feb 16 18:40:10 vz1 kernel: mice: PS/2 mouse device common for all mice
Feb 16 18:40:10 vz1 kernel: input: AT Translated Set 2 keyboard on isa0060/serio0
Feb 16 18:40:10 vz1 kernel: input: ImPS/2 Generic Wheel Mouse on isa0060/serio1
Feb 16 18:40:10 vz1 kernel: md: md driver 0.90.0 MAX_MD_DEVS=256, MD_SB_DISKS=27
Feb 16 18:40:10 vz1 kernel: NET: Registered protocol family 2
Feb 16 18:40:10 vz1 kernel: IP route cache hash table entries: 131072 (order: 7, 524288 bytes)
Feb 16 18:40:10 vz1 kernel: TCP established hash table entries: 262144 (order: 10, 4194304
bytes)
Feb 16 18:40:10 vz1 kernel: TCP bind hash table entries: 262144 (order: 9, 3145728 bytes)
Feb 16 18:40:10 vz1 kernel: TCP: Hash tables configured (established 262144 bind 262144)
Feb 16 18:40:10 vz1 kernel: Initializing IPsec netlink socket
Feb 16 18:40:10 vz1 kernel: NET: Registered protocol family 1
Feb 16 18:40:10 vz1 kernel: NET: Registered protocol family 17
Feb 16 18:40:10 vz1 kernel: Freeing unused kernel memory: 184k freed
Feb 16 18:40:10 vz1 kernel: SCSI subsystem initialized

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Feb 16 18:40:10 vz1 kernel: HP CISS Driver (v 2.6.10.RH1)
Feb 16 18:40:10 vz1 kernel: cciss: using DAC cycles
Feb 16 18:40:10 vz1 kernel: cciss: using DAC cycles
Feb 16 18:40:10 vz1 kernel:   blocks= 284522880 block_size= 512
Feb 16 18:40:10 vz1 kernel:   heads= 255, sectors= 32, cylinders= 34868
Feb 16 18:40:10 vz1 kernel:
Feb 16 18:40:10 vz1 kernel:   blocks= 284522880 block_size= 512
Feb 16 18:40:10 vz1 kernel:   heads= 255, sectors= 32, cylinders= 34868
Feb 16 18:40:10 vz1 kernel:
Feb 16 18:40:10 vz1 kernel: cciss/c1d0: p1 p2
Feb 16 18:40:10 vz1 kernel: device-mapper: 4.5.0-ioctl (2005-10-04) initialised:
dm-devel@redhat.com
Feb 16 18:40:10 vz1 kernel: kjournald starting. Commit interval 5 seconds
Feb 16 18:40:10 vz1 kernel: EXT3-fs: mounted filesystem with ordered data mode.
Feb 16 18:40:10 vz1 kernel: SELinux: Disabled at runtime.
Feb 16 18:40:10 vz1 kernel: SELinux: Unregistering netfilter hooks
Feb 16 18:40:10 vz1 kernel: inserting floppy driver for 2.6.9-42.ELsmp
Feb 16 18:40:10 vz1 kernel: Floppy drive(s): fd0 is 1.44M
Feb 16 18:40:10 vz1 kernel: FDC 0 is a National Semiconductor PC87306
Feb 16 18:40:10 vz1 kernel: e100: Intel(R) PRO/100 Network Driver, 3.5.10-k2-NAPI
Feb 16 18:40:10 vz1 kernel: e100: Copyright(c) 1999-2005 Intel Corporation
Feb 16 18:40:10 vz1 kernel: e100: eth0: e100_probe: addr 0xf7cb0000, irq 5, MAC addr
00:08:02:25:2E:F3
Feb 16 18:40:10 vz1 kernel: e100: eth1: e100_probe: addr 0xf7af0000, irq 7, MAC addr
00:08:02:25:2E:F2
Feb 16 18:40:10 vz1 kernel: ohci_hcd 0000:00:0f.2: OHCI Host Controller
Feb 16 18:40:10 vz1 kernel: ohci_hcd 0000:00:0f.2: irq 11, pci mem f8892000
Feb 16 18:40:10 vz1 kernel: ohci_hcd 0000:00:0f.2: new USB bus registered, assigned bus
number 1
Feb 16 18:40:10 vz1 kernel: hub 1-0:1.0: USB hub found
Feb 16 18:40:10 vz1 kernel: hub 1-0:1.0: 4 ports detected
Feb 16 18:40:10 vz1 kernel: md: Autodetecting RAID arrays.
Feb 16 18:40:10 vz1 kernel: md: autorun ...
Feb 16 18:40:10 vz1 kernel: md: ... autorun DONE.
Feb 16 18:40:10 vz1 kernel: EXT3 FS on dm-0, internal journal
Feb 16 18:40:10 vz1 kernel: kjournald starting. Commit interval 5 seconds
Feb 16 18:40:10 vz1 kernel: EXT3 FS on cciss/c1d0p1, internal journal
Feb 16 18:40:10 vz1 kernel: EXT3-fs: mounted filesystem with ordered data mode.
Feb 16 18:40:10 vz1 kernel: Adding 2031608k swap on /dev/VolGroup00/LogVol01. Priority:-1
extents:1
Feb 16 18:40:10 vz1 kernel: IA-32 Microcode Update Driver: v1.14 <tigran@veritas.com>
Feb 16 18:40:10 vz1 kernel: microcode: CPU0 already at revision 0x1c (current=0x1c)
Feb 16 18:40:10 vz1 kernel: microcode: CPU1 already at revision 0x1c (current=0x1c)
Feb 16 18:40:10 vz1 kernel: microcode: No new microdata for cpu 1
Feb 16 18:40:10 vz1 kernel: microcode: No new microdata for cpu 0
Feb 16 18:40:10 vz1 kernel: IA-32 Microcode Update Driver v1.14 unregistered
Feb 16 18:40:10 vz1 kernel: ip_tables: (C) 2000-2002 Netfilter core team
Feb 16 18:40:10 vz1 kernel: ip_contrack version 2.1 (8192 buckets, 65536 max) - 340 bytes per
```

contrack

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Feb 16 18:40:10 vz1 kernel: e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
Feb 16 18:40:10 vz1 portmap: portmap startup succeeded
Feb 16 18:40:10 vz1 rpc.statd[2094]: Version 1.0.6 Starting
Feb 16 18:40:10 vz1 nfslock: rpc.statd startup succeeded
Feb 16 18:40:10 vz1 rpc.statd[2094]: statd running as root. chown /var/lib/nfs/statd/sm to choose
different user
Feb 16 18:40:11 vz1 rpcidmapd: rpc.idmapd startup succeeded
Feb 16 18:40:11 vz1 netfs: Mounting other filesystems: succeeded
Feb 16 18:40:11 vz1 autofs: automount startup succeeded
Feb 16 18:40:04 vz1 kudzu: succeeded
Feb 16 18:40:04 vz1 iptables: succeeded
Feb 16 18:40:04 vz1 rc: Starting pcmcia: succeeded
Feb 16 18:40:04 vz1 sysctl: net.ipv4.ip_forward = 0
Feb 16 18:40:04 vz1 sysctl: net.ipv4.conf.default.rp_filter = 1
Feb 16 18:40:04 vz1 sysctl: net.ipv4.conf.default.accept_source_route = 0
Feb 16 18:40:04 vz1 sysctl: kernel.sysrq = 0
Feb 16 18:40:04 vz1 sysctl: kernel.core_uses_pid = 1
Feb 16 18:40:04 vz1 network: Setting network parameters: succeeded
Feb 16 18:40:04 vz1 network: Bringing up loopback interface: succeeded
Feb 16 18:40:05 vz1 ifup:
Feb 16 18:40:05 vz1 ifup: Determining IP information for eth0...
Feb 16 18:40:05 vz1 dhclient: DHCPDISCOVER on eth0 to 255.255.255.255 port 67 interval 5
Feb 16 18:40:10 vz1 dhclient: DHCPDISCOVER on eth0 to 255.255.255.255 port 67 interval 12
Feb 16 18:40:10 vz1 dhclient: DHCPOFFER from 10.107.208.1
Feb 16 18:40:10 vz1 dhclient: DHCPREQUEST on eth0 to 255.255.255.255 port 67
Feb 16 18:40:10 vz1 dhclient: DHCPACK from 10.107.208.1
Feb 16 18:40:10 vz1 NET: /sbin/dhclient-script : updated /etc/resolv.conf
Feb 16 18:40:10 vz1 dhclient: bound to 10.107.208.110 -- renewal in 17827 seconds.
Feb 16 18:40:10 vz1 ifup: done.
Feb 16 18:40:10 vz1 network: Bringing up interface eth0: succeeded
Feb 16 18:40:13 vz1 smartd[2189]: smartd version 5.33 [i686-redhat-linux-gnu] Copyright (C)
2002-4 Bruce Allen
Feb 16 18:40:13 vz1 smartd[2189]: Home page is http://smartmontools.sourceforge.net/
Feb 16 18:40:13 vz1 smartd[2189]: Opened configuration file /etc/smartd.conf
Feb 16 18:40:13 vz1 smartd[2189]: Configuration file /etc/smartd.conf parsed but has no entries
(like /dev/hda)
Feb 16 18:40:13 vz1 smartd[2189]: Unable to monitor any SMART enabled devices. Try debug
(-d) option. Exiting...
Feb 16 18:40:13 vz1 smartd: smartd startup failed
Feb 16 18:40:14 vz1 kernel: lp: driver loaded but no devices found
Feb 16 18:40:14 vz1 cups: cupsd startup succeeded
Feb 16 18:40:14 vz1 sshd: RSA1 key generation succeeded
Feb 16 18:40:15 vz1 sshd: RSA key generation succeeded
Feb 16 18:40:20 vz1 sshd: DSA key generation succeeded
Feb 16 18:40:20 vz1 kernel: NET: Registered protocol family 10
Feb 16 18:40:20 vz1 kernel: Disabled Privacy Extensions on device c0344160(lo)
Feb 16 18:40:20 vz1 kernel: IPv6 over IPv4 tunneling driver
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Feb 16 18:40:20 vz1 sshd: succeeded
Feb 16 18:40:20 vz1 xinetd: xinetd startup succeeded
Feb 16 18:40:20 vz1 xinetd[2294]: xinetd Version 2.3.13 started with libwrap loadavg options
compiled in.
Feb 16 18:40:20 vz1 xinetd[2294]: Started working: 0 available services
Feb 16 18:40:20 vz1 sendmail: sendmail startup succeeded
Feb 16 18:40:21 vz1 sendmail: sm-client startup succeeded
Feb 16 18:40:21 vz1 gpm[2331]: *** info [startup.c(95)]:
Feb 16 18:40:21 vz1 gpm[2331]: Started gpm successfully. Entered daemon mode.
Feb 16 18:40:21 vz1 gpm[2331]: *** info [mice.c(1766)]:
Feb 16 18:40:21 vz1 gpm[2331]: imps2: Auto-detected intellimouse PS/2
Feb 16 18:40:21 vz1 gpm: gpm startup succeeded
Feb 16 18:40:21 vz1 crond: crond startup succeeded
Feb 16 18:40:24 vz1 xfs: xfs startup succeeded
Feb 16 18:40:24 vz1 xfs[2368]: ignoring font path element
/usr/X11R6/lib/X11/fonts/misc:unscaled (unreadable)
Feb 16 18:40:24 vz1 xfs[2368]: ignoring font path element
/usr/X11R6/lib/X11/fonts/100dpi:unscaled (unreadable)
Feb 16 18:40:24 vz1 xfs[2368]: ignoring font path element /usr/X11R6/lib/X11/fonts/Type1
(unreadable)
Feb 16 18:40:24 vz1 anacron: anacron startup succeeded
Feb 16 18:40:24 vz1 atd: atd startup succeeded
Feb 16 18:40:24 vz1 messagebus: messagebus startup succeeded
Feb 16 18:40:24 vz1 cups-config-daemon: cups-config-daemon startup succeeded
Feb 16 18:40:24 vz1 haldaemon: haldaemon startup succeeded
Feb 16 18:40:25 vz1 fstab-sync[2967]: removed all generated mount points
Feb 16 18:40:26 vz1 fstab-sync[3007]: added mount point /media/cdrom for /dev/hda
Feb 16 18:40:26 vz1 fstab-sync[3058]: added mount point /media/floppy for /dev/fd0

```

## 1-Run yum update

```

=====
=====
Package            Arch      Version      Repository      Size
=====
Installing:
kernel              i686     2.6.9-42.0.8.EL update      11 M
kernel-devel       i686     2.6.9-42.0.8.EL update       3.7 M
kernel-smp         i686     2.6.9-42.0.8.EL update       10 M
Updating:
bind-libs          i386     20:9.2.4-24.EL4 update       565 k
bind-utils         i386     20:9.2.4-24.EL4 update       141 k
dbus               i386     0.22-12.EL.8 update        455 k
dbus-devel         i386     0.22-12.EL.8 update        228 k
dbus-glib          i386     0.22-12.EL.8 update         38 k
elinks             i386     0.9.2-3.3 update         839 k
fetchmail          i386     6.2.5-6.el4.5 update         572 k
gnupg              i386     1.2.6-8 update          1.6 M

```

gtk2	i386	2.4.13-22	update	4.3 M
gzip	i386	1.3.3-16.rhel4	update	88 k
hwdata	noarch	0.146.23.EL-1	update	337 k
info	i386	4.7-5.el4.2	update	145 k
iproute	i386	2.6.9-3.EL4.3.centos4	update	932 k
kernel-hugemem-devel	i686	2.6.9-42.0.8.EL	update	3.7 M
kernel-smp-devel	i686	2.6.9-42.0.8.EL	update	3.7 M
nss_ldap	i386	226-17	update	1.0 M
openssh	i386	3.9p1-8.RHEL4.17.1	update	317 k
openssh-clients	i386	3.9p1-8.RHEL4.17.1	update	341 k
openssh-server	i386	3.9p1-8.RHEL4.17.1	update	208 k
openssl	i686	0.9.7a-43.14	update	1.1 M
openssl-devel	i586	0.9.7a-43.14	update	1.6 M
python	i386	2.3.4-14.3	update	4.8 M
python-devel	i386	2.3.4-14.3	update	1.4 M
qt	i386	1:3.3.3-10.RHEL4	update	2.9 M
sysreport	noarch	1.3.15-8	update	18 k
tar	i386	1.14-12.RHEL4	update	334 k
texinfo	i386	4.7-5.el4.2	update	743 k
tzdata	noarch	2006m-3.el4	update	444 k
up2date	i386	4.4.69-25.centos4.7	update	1.8 M
xorg-x11-Mesa-libGL	i386	6.8.2-1.EL.13.37.5	update	379 k
xorg-x11-font-utils	i386	6.8.2-1.EL.13.37.5	update	302 k
xorg-x11-libs	i386	6.8.2-1.EL.13.37.5	update	2.7 M
xorg-x11-xfs	i386	6.8.2-1.EL.13.37.5	update	315 k

## Transaction Summary

```
=====
=====
```

```
Install    3 Package(s)
Update    33 Package(s)
Remove     0 Package(s)
Total download size: 63 M
```

## 2-Disable unneeded services

```
[root@vz1 ~]# chkconfig rpcidmapd off
[root@vz1 ~]# chkconfig pcmcia off
[root@vz1 ~]# chkconfig xinetd off
[root@vz1 ~]# chkconfig netfs off
[root@vz1 ~]# chkconfig apmd off
[root@vz1 ~]# chkconfig portmap off
[root@vz1 ~]# chkconfig nfslock off
[root@vz1 ~]# chkconfig isdn off
[root@vz1 ~]# chkconfig rpcgssd off
[root@vz1 ~]# chkconfig openibd off
[root@vz1 ~]# chkconfig gpm off
[root@vz1 ~]# chkconfig mdmonitor off
```



```
[root@vz1 ~]# chkconfig xfs off
```

### 3-Network settings

#### a-configure bonding

```
* update /etc/modprobe.conf, add the following lines
```

```
alias bond0 bonding
```

```
options bond0 mode=0 miimon=100
```

```
* create /etc/sysconfig/network-scripts/ifcfg-bond0
```

```
[root@vz1 ~]# cat ifcfg-bond0
```

```
DEVICE=bond0
```

```
IPADDR=10.107.208.150
```

```
NETWORK=10.107.208.0
```

```
NETMASK=255.255.255.0
```

```
BROADCAST=10.107.108.255
```

```
USERCTL=no
```

```
BOOTPROTO=dhcp
```

```
ONBOOT=yes
```

```
* update /etc/sysconfig/network-scripts/ifcfg-eth0
```

```
[root@vz1 ~]# cat ifcfg-eth0
```

```
DEVICE=eth0
```

```
USERCTL=no
```

```
ONBOOT=yes
```

```
MASTER=bond0
```

```
BOOTPROTO=none
```

```
SLAVE=yes
```

```
* update /etc/sysconfig/network-scripts/ifcfg-eth1
```

```
[root@vz1 ~]# cat ifcfg-eth1
```

```
DEVICE=eth1
```

```
USERCTL=no
```

```
MASTER=bond0
```

```
ONBOOT=yes
```

```
BOOTPROTO=none
```

```
SLAVE=yes
```

### 4-Server Settings

#### a-ntp

```
[root@vz1 ~]# yum install ntp
```

```
[root@vz1 ~]# chkconfig --level 2345 ntpd on
```

```
<update /etc/ntp.conf to use our server>
```

```
server 10.107.208.1
```

#### b-sendmail

```
[root@vz1 ~]# diff -u /etc/aliases.orig /etc/aliases
```

```
--- /etc/aliases.orig 2007-02-xxx
```

```
+++ /etc/aliases      2007-02-xxx
```

```
@@ -97,4 +97,4 @@
```

```
decode:          root
```

```
# Person who should get root's mail
```

```
-#root:    marc
+root:    xxxx
[root@vz1 ~]# newaliases
```

## 5-Install openvz

### a-kernel

```
[root@vz1 ~]# cd /etc/yum.repos.d
[root@vz1 ~]# wget http://download.openvz.org/openvz.repo
[root@vz1 ~]# rpm --import http://download.openvz.org/RPM-GPG-Key-OpenVZ
[root@vz1 ~]# yum install ovzkernel-smp
```

```
=====
=====
Package          Arch    Version      Repository    Size
=====
=====
```

Installing:

```
ovzkernel-smp    i686    2.6.9-023stab040.1 openvz        13 M
```

...

```
WARNING: No module cciss found for kernel 2.6.9-023stab040.1-smp, continuing anyway
<update /boot/grub/cosmetic only, rename CentOS to OpenVZ for grub menu>
<update /etc/sysctl.conf>
```

```
[root@vz1 ~]# diff -u /etc/sysctl.conf.original /etc/sysctl.conf
--- /etc/sysctl.conf.original 2007-02-11 23:29:58.000000000 -0500
+++ /etc/sysctl.conf 2007-02-11 23:31:15.000000000 -0500
@@ -4,7 +4,8 @@
# sysctl.conf(5) for more details.
```

```
# Controls IP packet forwarding
-net.ipv4.ip_forward = 0
+net.ipv4.ip_forward = 1
+net.ipv4.conf.default.proxy_arp = 0
```

```
# Controls source route verification
net.ipv4.conf.default.rp_filter = 1
@@ -13,8 +14,14 @@
net.ipv4.conf.default.accept_source_route = 0
```

```
# Controls the System Request debugging functionality of the kernel
-kernel.sysrq = 0
+kernel.sysrq = 1
```

```
# Controls whether core dumps will append the PID to the core filename.
# Useful for debugging multi-threaded applications.
kernel.core_uses_pid = 1
```

```
+
+# TCP Explicit Congestion Notification
+#net.ipv4.tcp_ecn = 0
+# we do not want all our interfaces to send redirects
```

```

+net.ipv4.conf.default.send_redirects = 1
+net.ipv4.conf.all.send_redirects = 0
<update /etc/modprobe.conf - add line>
options ip_conntrack ip_conntrack_enable_ve0=1
b-reboot into vz kernel
from /var/log/messages
Feb 16 19:21:07 vz1 syslogd 1.4.1: restart.
Feb 16 19:21:07 vz1 syslog: syslogd startup succeeded
Feb 16 19:21:07 vz1 kernel: klogd 1.4.1, log source = /proc/kmsg started.
Feb 16 19:21:07 vz1 kernel: Linux version 2.6.9-023stab040.1-smp (root@rhel4-32) (gcc
version 3.4.5 20051201 (Red Hat 3.4.5-2)) #1 SMP Tue Jan 16 00:54:22 MSK 2007
Feb 16 19:21:07 vz1 kernel: BIOS-provided physical RAM map:
Feb 16 19:21:07 vz1 kernel: BIOS-e820: 0000000000000000 - 000000000009ec00 (usable)
Feb 16 19:21:07 vz1 kernel: BIOS-e820: 000000000009ec00 - 00000000000a0000 (reserved)
Feb 16 19:21:07 vz1 kernel: BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)
Feb 16 19:21:07 vz1 kernel: BIOS-e820: 0000000000100000 - 0000000008fffc000 (usable)
Feb 16 19:21:07 vz1 kernel: BIOS-e820: 0000000008fffc000 - 0000000090000000 (ACPI data)
Feb 16 19:21:07 vz1 kernel: BIOS-e820: 00000000fec00000 - 00000000fec10000 (reserved)
Feb 16 19:21:07 vz1 kernel: BIOS-e820: 00000000fee00000 - 00000000fee10000 (reserved)
Feb 16 19:21:07 vz1 kernel: BIOS-e820: 00000000ffc00000 - 0000000100000000 (reserved)
Feb 16 19:21:07 vz1 kernel: 1407MB HIGHMEM available.
Feb 16 19:21:07 vz1 kernel: 896MB LOWMEM available.
Feb 16 19:21:07 vz1 syslog: klogd startup succeeded
Feb 16 19:21:07 vz1 kernel: found SMP MP-table at 000f4fd0
Feb 16 19:21:07 vz1 kernel: Using x86 segment limits to approximate NX protection
Feb 16 19:21:07 vz1 kernel: DMI 2.3 present.
Feb 16 19:21:07 vz1 kernel: Compaq ProLiant DL380 G2 detected: force use of acpi=ht
Feb 16 19:21:07 vz1 kernel: Using APIC driver default
Feb 16 19:21:07 vz1 kernel: ACPI: PM-Timer IO Port: 0x240
Feb 16 19:21:07 vz1 kernel: ACPI: LAPIC (acpi_id[0x00] lapic_id[0x00] enabled)
Feb 16 19:21:07 vz1 kernel: Processor #0 6:11 APIC version 17
Feb 16 19:21:07 vz1 kernel: ACPI: LAPIC (acpi_id[0x01] lapic_id[0x01] disabled)
Feb 16 19:21:07 vz1 kernel: ACPI: LAPIC (acpi_id[0x02] lapic_id[0x02] disabled)
Feb 16 19:21:07 vz1 kernel: ACPI: LAPIC (acpi_id[0x03] lapic_id[0x03] enabled)
Feb 16 19:21:07 vz1 kernel: Processor #3 6:11 APIC version 17
Feb 16 19:21:07 vz1 kernel: ACPI: LAPIC_NMI (acpi_id[0xff] dfl dfl lint[0x1])
Feb 16 19:21:07 vz1 kernel: Enabling APIC mode: Flat. Using 0 I/O APICs
Feb 16 19:21:07 vz1 kernel: Using ACPI for processor (LAPIC) configuration information
Feb 16 19:21:07 vz1 kernel: Intel MultiProcessor Specification v1.4
Feb 16 19:21:07 vz1 kernel: Virtual Wire compatibility mode.
Feb 16 19:21:07 vz1 kernel: OEM ID: COMPAQ Product ID: PROLIANT APIC at:
0xFEE00000
Feb 16 19:21:07 vz1 kernel: I/O APIC #8 Version 17 at 0xFEC00000.
Feb 16 19:21:07 vz1 kernel: I/O APIC #2 Version 17 at 0xFEC01000.
Feb 16 19:21:07 vz1 kernel: Enabling APIC mode: Flat. Using 2 I/O APICs
Feb 16 19:21:07 vz1 kernel: Processors: 2
Feb 16 19:21:07 vz1 kernel: Allocating PCI resources starting at 98000000 (gap:
90000000:6ec00000)

```

```

Feb 16 19:21:07 vz1 kernel: Virtuozzo Fair CPU scheduler
Feb 16 19:21:07 vz1 kernel: Built 1 zonelists
Feb 16 19:21:07 vz1 kernel: Kernel command line: ro root=/dev/VolGroup00/LogVol00
Feb 16 19:21:07 vz1 kernel: Initializing CPU#0
Feb 16 19:21:07 vz1 kernel: PID hash table entries: 4096 (order: 12, 65536 bytes)
Feb 16 19:21:07 vz1 kernel: Detected 1397.258 MHz processor.
Feb 16 19:21:07 vz1 kernel: Using pmtmr for high-res timesource
Feb 16 19:21:07 vz1 kernel: Console: colour VGA+ 80x25
Feb 16 19:21:07 vz1 kernel: Dentry cache hash table entries: 131072 (order: 7, 524288 bytes)
Feb 16 19:21:07 vz1 kernel: Inode-cache hash table entries: 65536 (order: 6, 262144 bytes)
Feb 16 19:21:07 vz1 kernel: Memory: 2329264k/2359280k available (3986k kernel code,
29040k reserved, 1355k data, 292k init, 1441776k highmem)
Feb 16 19:21:07 vz1 kernel: Calibrating delay using timer specific routine.. 2796.76 BogoMIPS
(lpj=1398380)
Feb 16 19:21:07 vz1 kernel: Mount-cache hash table entries: 512 (order: 0, 4096 bytes)
Feb 16 19:21:07 vz1 kernel: CPU: L1 I cache: 16K, L1 D cache: 16K
Feb 16 19:21:07 vz1 kernel: CPU: L2 cache: 512K
Feb 16 19:21:07 vz1 kernel: Intel machine check architecture supported.
Feb 16 19:21:07 vz1 kernel: Intel machine check reporting enabled on CPU#0.
Feb 16 19:21:07 vz1 kernel: Enabling fast FPU save and restore... done.
Feb 16 19:21:07 vz1 kernel: Enabling unmasked SIMD FPU exception support... done.
Feb 16 19:21:07 vz1 kernel: Checking 'hlt' instruction... OK.
Feb 16 19:21:07 vz1 kernel: Page beancounter hash is 262144 entries.
Feb 16 19:21:07 vz1 kernel: CPU0: Intel(R) Pentium(R) III CPU family    1400MHz stepping 01
Feb 16 19:21:07 vz1 kernel: per-CPU timeslice cutoff: 1462.58 usecs.
Feb 16 19:21:07 vz1 kernel: task migration cache decay timeout: 2 msecs.
Feb 16 19:21:07 vz1 kernel: Booting processor 1/0 eip 3000
Feb 16 19:21:07 vz1 kernel: Initializing CPU#1
Feb 16 19:21:07 vz1 kernel: Calibrating delay using timer specific routine.. 2792.51 BogoMIPS
(lpj=1396255)
Feb 16 19:21:07 vz1 kernel: CPU: L1 I cache: 16K, L1 D cache: 16K
Feb 16 19:21:07 vz1 kernel: CPU: L2 cache: 512K
Feb 16 19:21:07 vz1 irqbalance: irqbalance startup succeeded
Feb 16 19:21:07 vz1 kernel: Intel machine check architecture supported.
Feb 16 19:21:07 vz1 kernel: Intel machine check reporting enabled on CPU#1.
Feb 16 19:21:07 vz1 kernel: CPU1: Intel(R) Pentium(R) III CPU family    1400MHz stepping 01
Feb 16 19:21:07 vz1 kernel: Total of 2 processors activated (5589.27 BogoMIPS).
Feb 16 19:21:07 vz1 kernel: ENABLING IO-APIC IRQs
Feb 16 19:21:07 vz1 kernel: ..TIMER: vector=0x31 pin1=2 pin2=0
Feb 16 19:21:07 vz1 kernel: ..MP-BIOS bug: 8254 timer not connected to IO-APIC
Feb 16 19:21:07 vz1 kernel: ...trying to set up timer (IRQ0) through the 8259A ...
Feb 16 19:21:07 vz1 kernel: ..... (found pin 0) ...works.
Feb 16 19:21:07 vz1 kernel: testing NMI watchdog ... OK.
Feb 16 19:21:07 vz1 kernel: checking TSC synchronization across 2 CPUs: passed.
Feb 16 19:21:07 vz1 kernel: Brought up 2 CPUs
Feb 16 19:21:07 vz1 kernel: zapping low mappings.
Feb 16 19:21:07 vz1 kernel: checking if image is initramfs... it is
Feb 16 19:21:07 vz1 kernel: Freeing initrd memory: 873k freed

```

Feb 16 19:21:07 vz1 kernel: NET: Registered protocol family 16  
Feb 16 19:21:07 vz1 kernel: PCI: PCI BIOS revision 2.10 entry at 0xf0094, last bus=10  
Feb 16 19:21:07 vz1 kernel: PCI: Using configuration type 1  
Feb 16 19:21:07 vz1 kernel: mtrr: v2.0 (20020519)  
Feb 16 19:21:07 vz1 kernel: mtrr: your CPUs had inconsistent fixed MTRR settings  
Feb 16 19:21:07 vz1 kernel: mtrr: probably your BIOS does not setup all CPUs.  
Feb 16 19:21:07 vz1 kernel: mtrr: corrected configuration.  
Feb 16 19:21:07 vz1 kernel: ACPI: Subsystem revision 20040816  
Feb 16 19:21:07 vz1 kernel: ACPI: Interpreter disabled.  
Feb 16 19:21:07 vz1 kernel: SCSI subsystem initialized  
Feb 16 19:21:07 vz1 kernel: usbcore: registered new driver usbfs  
Feb 16 19:21:07 vz1 kernel: usbcore: registered new driver hub  
Feb 16 19:21:07 vz1 kernel: PCI: Probing PCI hardware  
Feb 16 19:21:07 vz1 kernel: PCI: Probing PCI hardware (bus 00)  
Feb 16 19:21:07 vz1 kernel: PCI: Discovered peer bus 07  
Feb 16 19:21:07 vz1 kernel: PCI: Device 00:00 not found by BIOS  
Feb 16 19:21:07 vz1 kernel: PCI: Device 00:01 not found by BIOS  
Feb 16 19:21:07 vz1 kernel: PCI: Device 00:02 not found by BIOS  
Feb 16 19:21:07 vz1 kernel: PCI: Device 00:03 not found by BIOS  
Feb 16 19:21:07 vz1 kernel: PCI: Device 00:78 not found by BIOS  
Feb 16 19:21:07 vz1 kernel: highmem bounce pool size: 64 pages  
Feb 16 19:21:07 vz1 kernel: VFS: Disk quotas dquot\_6.5.1  
Feb 16 19:21:07 vz1 kernel: Dquot-cache hash table entries: 1024 (order 0, 4096 bytes)  
Feb 16 19:21:07 vz1 kernel: Initializing Cryptographic API  
Feb 16 19:21:07 vz1 kernel: pci\_hotplug: PCI Hot Plug PCI Core version: 0.5  
Feb 16 19:21:07 vz1 kernel: Real Time Clock Driver v1.12  
Feb 16 19:21:07 vz1 kernel: serio: i8042 AUX port at 0x60,0x64 irq 12  
Feb 16 19:21:07 vz1 kernel: serio: i8042 KBD port at 0x60,0x64 irq 1  
Feb 16 19:21:07 vz1 kernel: Serial: 8250/16550 driver \$Revision: 1.90 \$ 20 ports, IRQ sharing enabled  
Feb 16 19:21:07 vz1 kernel: ttyS0 at I/O 0x3f8 (irq = 4) is a 16550A  
Feb 16 19:21:07 vz1 kernel: RAMDISK driver initialized: 16 RAM disks of 16384K size 1024 blocksize  
Feb 16 19:21:07 vz1 kernel: Compaq SMART2 Driver (v 2.6.0)  
Feb 16 19:21:07 vz1 kernel: HP CISS Driver (v 2.6.10.RH1)  
Feb 16 19:21:07 vz1 kernel: cciss: using DAC cycles  
Feb 16 19:21:07 vz1 kernel: Using cfq io scheduler  
Feb 16 19:21:07 vz1 kernel: cciss: using DAC cycles  
Feb 16 19:21:07 vz1 kernel: blocks= 284522880 block\_size= 512  
Feb 16 19:21:07 vz1 kernel: heads= 255, sectors= 32, cylinders= 34868  
Feb 16 19:21:07 vz1 kernel:  
Feb 16 19:21:07 vz1 kernel: blocks= 284522880 block\_size= 512  
Feb 16 19:21:07 vz1 kernel: heads= 255, sectors= 32, cylinders= 34868  
Feb 16 19:21:07 vz1 kernel:  
Feb 16 19:21:07 vz1 kernel: cciss/c1d0: p1 p2  
Feb 16 19:21:07 vz1 kernel: Uniform Multi-Platform E-IDE driver Revision: 7.00alpha2  
Feb 16 19:21:07 vz1 kernel: ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx



```

Feb 16 19:21:07 vz1 kernel: SvrWks OSB4: IDE controller at PCI slot 0000:00:0f.1
Feb 16 19:21:07 vz1 kernel: SvrWks OSB4: chipset revision 0
Feb 16 19:21:07 vz1 kernel: SvrWks OSB4: not 100% native mode: will probe irqs later
Feb 16 19:21:07 vz1 kernel:   ide0: BM-DMA at 0x2c00-0x2c07, BIOS settings: hda:pio,
hdb:pio
Feb 16 19:21:07 vz1 kernel:   ide1: BM-DMA at 0x2c08-0x2c0f, BIOS settings: hdc:pio, hdd:pio
Feb 16 19:21:07 vz1 kernel: hda: COMPAQ CD-ROM SN-124Q, ATAPI CD/DVD-ROM drive
Feb 16 19:21:07 vz1 kernel: ide0 at 0x1f0-0x1f7,0x3f6 on irq 14
Feb 16 19:21:07 vz1 kernel: hda: ATAPI 24X CD-ROM drive, 128kB Cache
Feb 16 19:21:07 vz1 kernel: Uniform CD-ROM driver Revision: 3.20
Feb 16 19:21:07 vz1 kernel: ide-floppy driver 0.99.newide
Feb 16 19:21:07 vz1 kernel: Adaptec aacraid driver (1.1-5[2412])
Feb 16 19:21:07 vz1 kernel: Loading AIC-94xx Linux SAS/SATA Family Driver, Rev: 1.0.8-6
Feb 16 19:21:07 vz1 kernel:
Feb 16 19:21:07 vz1 kernel: AIC-94xx controller(s) attached = 0.
Feb 16 19:21:07 vz1 kernel:
Feb 16 19:21:07 vz1 kernel: QLogic iSCSI HBA Driver (c0388380)
Feb 16 19:21:07 vz1 kernel: megaraid cmm: 2.20.2.6 (Release Date: Mon Mar 7 00:01:03 EST
2005)
Feb 16 19:21:07 vz1 kernel: megaraid: 2.20.4.6-rh2 (Release Date: Wed Jun 28 12:27:22 EST
2006)
Feb 16 19:21:07 vz1 kernel: megasas: 00.00.02.03-RH1 Mon Jan 30 16:30:45 PST 2006
Feb 16 19:21:07 vz1 kernel: GDT-HA: Storage RAID Controller Driver. Version: 3.04
Feb 16 19:21:07 vz1 kernel: GDT-HA: Found 0 PCI Storage RAID Controllers
Feb 16 19:21:07 vz1 autofs: automount startup succeeded
Feb 16 19:21:07 vz1 kernel: 3ware Storage Controller device driver for Linux v1.26.00.039.
Feb 16 19:21:07 vz1 kernel: 3w-xxxx: No cards found.
Feb 16 19:21:07 vz1 kernel: 3ware 9000 Storage Controller device driver for Linux
v2.26.04.010.
Feb 16 19:21:07 vz1 kernel: Emulex LightPulse Fibre Channel SCSI driver 8.0.16.27
Feb 16 19:21:07 vz1 kernel: Copyright(c) 2003-2006 Emulex. All rights reserved.
Feb 16 19:21:07 vz1 kernel: Emulex LightPulse FC SCSI IOCTL 2.0.15
Feb 16 19:21:07 vz1 kernel: Copyright(c) 2003-2006 Emulex. All rights reserved.
Feb 16 19:21:07 vz1 kernel: Fusion MPT base driver 3.02.62.01rh
Feb 16 19:21:07 vz1 kernel: Copyright (c) 1999-2005 LSI Logic Corporation
Feb 16 19:21:07 vz1 kernel: Fusion MPT SPI Host driver 3.02.62.01rh
Feb 16 19:21:07 vz1 kernel: Fusion MPT FC Host driver 3.02.62.01rh
Feb 16 19:21:07 vz1 kernel: Fusion MPT SAS Host driver 3.02.62.01rh
Feb 16 19:21:07 vz1 kernel: usbcore: registered new driver hiddev
Feb 16 19:21:07 vz1 kernel: usbcore: registered new driver usbhid
Feb 16 19:21:07 vz1 kernel: drivers/usb/input/hid-core.c: v2.0:USB HID core driver
Feb 16 19:21:07 vz1 kernel: mice: PS/2 mouse device common for all mice
Feb 16 19:21:07 vz1 kernel: input: AT Translated Set 2 keyboard on isa0060/serio0
Feb 16 19:21:07 vz1 kernel: input: ImPS/2 Generic Wheel Mouse on isa0060/serio1
Feb 16 19:21:07 vz1 kernel: md: linear personality registered as nr 1
Feb 16 19:21:07 vz1 kernel: md: raid0 personality registered as nr 2
Feb 16 19:21:07 vz1 kernel: md: raid1 personality registered as nr 3
Feb 16 19:21:07 vz1 kernel: md: raid10 personality registered as nr 9

```

```

Feb 16 19:21:07 vz1 kernel: md: raid5 personality registered as nr 4
Feb 16 19:21:07 vz1 kernel: raid5: automatically using best checksumming function: pIII_sse
Feb 16 19:21:07 vz1 kernel: pIII_sse : 3236.000 MB/sec
Feb 16 19:21:07 vz1 kernel: raid5: using function: pIII_sse (3236.000 MB/sec)
Feb 16 19:21:07 vz1 kernel: md: multipath personality registered as nr 7
Feb 16 19:21:07 vz1 kernel: md: md driver 0.90.0 MAX_MD_DEVS=256, MD_SB_DISKS=27
Feb 16 19:21:07 vz1 kernel: device-mapper: 4.5.0-ioctl (2005-10-04) initialised:
dm-devel@redhat.com
Feb 16 19:21:07 vz1 kernel: device-mapper: dm-multipath version 1.0.4 loaded
Feb 16 19:21:07 vz1 kernel: device-mapper: dm-round-robin version 1.0.0 loaded
Feb 16 19:21:07 vz1 kernel: device-mapper: dm-emc version 0.0.3 loaded
Feb 16 19:21:07 vz1 kernel: NET: Registered protocol family 2
Feb 16 19:21:07 vz1 kernel: IP route cache hash table entries: 32768 (order: 5, 131072 bytes)
Feb 16 19:21:07 vz1 kernel: TCP established hash table entries: 131072 (order: 9, 2097152
bytes)
Feb 16 19:21:07 vz1 kernel: TCP bind hash table entries: 131072 (order: 8, 1572864 bytes)
Feb 16 19:21:07 vz1 kernel: TCP: Hash tables configured (established 131072 bind 131072)
Feb 16 19:21:07 vz1 kernel: NET: Registered protocol family 1
Feb 16 19:21:07 vz1 kernel: Freeing unused kernel memory: 292k freed
Feb 16 19:21:07 vz1 kernel: kjournald starting. Commit interval 5 seconds
Feb 16 19:21:07 vz1 kernel: EXT3-fs: mounted filesystem with ordered data mode.
Feb 16 19:21:07 vz1 kernel: inserting floppy driver for 2.6.9-023stab040.1-smp
Feb 16 19:21:07 vz1 kernel: Floppy drive(s): fd0 is 1.44M
Feb 16 19:21:07 vz1 kernel: FDC 0 is a National Semiconductor PC87306
Feb 16 19:21:07 vz1 kernel: Ethernet Channel Bonding Driver: v2.6.3 (June 8, 2005)
Feb 16 19:21:07 vz1 kernel: bonding: MII link monitoring set to 100 ms
Feb 16 19:21:07 vz1 kernel: e100: Intel(R) PRO/100 Network Driver, 3.5.10-k2-NAPI
Feb 16 19:21:07 vz1 kernel: e100: Copyright(c) 1999-2005 Intel Corporation
Feb 16 19:21:07 vz1 kernel: e100: eth0: e100_probe: addr 0xf7cb0000, irq 5, MAC addr
00:08:02:25:2E:F3
Feb 16 19:21:07 vz1 kernel: e100: eth1: e100_probe: addr 0xf7af0000, irq 7, MAC addr
00:08:02:25:2E:F2
Feb 16 19:21:07 vz1 kernel: ohci_hcd 0000:00:0f.2: ServerWorks OSB4/CSB5 OHCI USB
Controller
Feb 16 19:21:07 vz1 kernel: ohci_hcd 0000:00:0f.2: irq 11, pci mem f894a000
Feb 16 19:21:07 vz1 kernel: ohci_hcd 0000:00:0f.2: new USB bus registered, assigned bus
number 1
Feb 16 19:21:07 vz1 kernel: hub 1-0:1.0: USB hub found
Feb 16 19:21:07 vz1 kernel: hub 1-0:1.0: 4 ports detected
Feb 16 19:21:07 vz1 kernel: md: Autodetecting RAID arrays.
Feb 16 19:21:07 vz1 kernel: md: autorun ...
Feb 16 19:21:07 vz1 kernel: md: ... autorun DONE.
Feb 16 19:21:07 vz1 kernel: EXT3 FS on dm-0, internal journal
Feb 16 19:21:07 vz1 kernel: kjournald starting. Commit interval 5 seconds
Feb 16 19:21:07 vz1 kernel: EXT3 FS on cciss/c1d0p1, internal journal
Feb 16 19:21:07 vz1 kernel: EXT3-fs: mounted filesystem with ordered data mode.
Feb 16 19:21:07 vz1 kernel: Adding 2031608k swap on /dev/VolGroup00/LogVol01. Priority:-1
extents:1

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Feb 16 19:21:07 vz1 kernel: IA-32 Microcode Update Driver: v1.14 <tigran@veritas.com>
Feb 16 19:21:07 vz1 kernel: microcode: CPU0 already at revision 0x1c (current=0x1c)
Feb 16 19:21:07 vz1 kernel: microcode: CPU1 already at revision 0x1c (current=0x1c)
Feb 16 19:21:07 vz1 kernel: microcode: No new microdata for cpu 1
Feb 16 19:21:07 vz1 kernel: microcode: No new microdata for cpu 0
Feb 16 19:21:07 vz1 kernel: IA-32 Microcode Update Driver v1.14 unregistered
Feb 16 19:21:07 vz1 smartd[7124]: smartd version 5.33 [i686-redhat-linux-gnu] Copyright (C)
2002-4 Bruce Allen
Feb 16 19:21:07 vz1 kernel: ip_tables: (C) 2000-2002 Netfilter core team
Feb 16 19:21:07 vz1 smartd[7124]: Home page is http://smartmontools.sourceforge.net/
Feb 16 19:21:07 vz1 kernel: ip_conntrack : parameter ip_conntrack_enable_ve0 is obsoleted. In
kernel >= 2.6.15 connection tracking on hardware node is enabled by default, use
ip_conntrack_disable_ve0=1 parameter to disable.
Feb 16 19:21:07 vz1 smartd[7124]: Opened configuration file /etc/smartd.conf
Feb 16 19:21:07 vz1 kernel: ip_conntrack version 2.1 (8192 buckets, 65536 max) - 312 bytes
per conntrack
Feb 16 19:21:07 vz1 kernel: NET: Registered protocol family 17
Feb 16 19:21:07 vz1 kernel: e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
Feb 16 19:21:07 vz1 kernel: bonding: bond0: enslaving eth0 as an active interface with an up
link.
Feb 16 19:21:07 vz1 smartd[7124]: Configuration file /etc/smartd.conf parsed but has no entries
(like /dev/hda)
Feb 16 19:21:07 vz1 kernel: e100: eth1: e100_watchdog: link up, 100Mbps, full-duplex
Feb 16 19:21:07 vz1 smartd[7124]: Unable to monitor any SMART enabled devices. Try debug
(-d) option. Exiting...
Feb 16 19:21:07 vz1 kernel: bonding: bond0: enslaving eth1 as an active interface with an up
link.
Feb 16 19:21:07 vz1 kernel: bonding: Warning: the permanent HWaddr of eth0 -
00:08:02:25:2E:F3 - is still in use by bond0. Set the HWaddr of eth0 to a different address to avoid
conflicts.
Feb 16 19:21:07 vz1 smartd: smartd startup failed
Feb 16 19:21:07 vz1 kernel: bonding: bond0: releasing active interface eth0
Feb 16 19:21:07 vz1 kernel: e100: eth0: e100_watchdog: link up, 100Mbps, full-duplex
Feb 16 19:21:07 vz1 kernel: bonding: bond0: enslaving eth0 as an active interface with an up
link.
Feb 16 19:21:07 vz1 kernel: bonding: bond0: releasing active interface eth1
Feb 16 19:21:07 vz1 kernel: e100: eth1: e100_watchdog: link up, 100Mbps, full-duplex
Feb 16 19:21:07 vz1 kernel: bonding: bond0: enslaving eth1 as an active interface with an up
link.
Feb 16 19:21:08 vz1 kernel: lp: driver loaded but no devices found
Feb 16 19:21:08 vz1 cups: cupsd startup succeeded
Feb 16 19:21:09 vz1 sshd: succeeded
Feb 16 19:21:00 vz1 iptables: succeeded
Feb 16 19:21:00 vz1 sysctl: net.ipv4.ip_forward = 1
Feb 16 19:21:00 vz1 sysctl: net.ipv4.ip_forward = 1
Feb 16 19:21:00 vz1 sysctl: net.ipv4.conf.default.proxy_arp = 0
Feb 16 19:21:00 vz1 sysctl: net.ipv4.conf.default.rp_filter = 1
Feb 16 19:21:00 vz1 sysctl: net.ipv4.conf.default.accept_source_route = 0

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Feb 16 19:21:00 vz1 sysctl: kernel.sysrq = 1
Feb 16 19:21:00 vz1 sysctl: kernel.core_uses_pid = 1
Feb 16 19:21:00 vz1 sysctl: net.ipv4.conf.default.send_redirects = 1
Feb 16 19:21:00 vz1 sysctl: net.ipv4.conf.all.send_redirects = 0
Feb 16 19:21:00 vz1 network: Setting network parameters: succeeded
Feb 16 19:21:00 vz1 network: Bringing up loopback interface: succeeded
Feb 16 19:21:00 vz1 ifup: Enslaving eth0 to bond0
Feb 16 19:21:00 vz1 ifup: Enslaving eth1 to bond0
Feb 16 19:21:00 vz1 ifup:
Feb 16 19:21:00 vz1 ifup: Determining IP information for bond0...
Feb 16 19:21:00 vz1 dhclient: DHCPREQUEST on bond0 to 255.255.255.255 port 67
Feb 16 19:21:00 vz1 dhclient: DHCPACK from 10.107.208.1
Feb 16 19:21:01 vz1 NET: /sbin/dhclient-script : updated /etc/resolv.conf
Feb 16 19:21:01 vz1 dhclient: bound to 10.107.208.110 -- renewal in 20983 seconds.
Feb 16 19:21:01 vz1 ifup: done.
Feb 16 19:21:01 vz1 ifup: Enslaving eth0 to bond0
Feb 16 19:21:01 vz1 ifup: Enslaving eth1 to bond0
Feb 16 19:21:06 vz1 network: Bringing up interface bond0: succeeded
Feb 16 19:21:07 vz1 ifup: Bringing up interface venet0:
Feb 16 19:21:07 vz1 ifup: Configuring interface venet0:
Feb 16 19:21:07 vz1 ifup: net.ipv4.conf.venet0.send_redirects = 0
Feb 16 19:21:07 vz1 network: Bringing up interface venet0: succeeded
Feb 16 19:21:12 vz1 ntpdate[8270]: step time server 10.107.208.1 offset -1.470787 sec
Feb 16 19:21:12 vz1 ntpd: succeeded
Feb 16 19:21:12 vz1 ntpd[8278]: ntpd 4.2.0a@1.1190-r Sun Aug 13 01:49:12 CDT 2006 (1)
Feb 16 19:21:12 vz1 ntpd: ntpd startup succeeded
Feb 16 19:21:12 vz1 ntpd[8278]: precision = 12.000 usec
Feb 16 19:21:12 vz1 ntpd[8278]: Listening on interface wildcard, 0.0.0.0#123
Feb 16 19:21:12 vz1 ntpd[8278]: Listening on interface lo, 127.0.0.1#123
Feb 16 19:21:12 vz1 ntpd[8278]: Listening on interface bond0, 10.107.208.110#123
Feb 16 19:21:12 vz1 ntpd[8278]: kernel time sync status 0040
Feb 16 19:21:12 vz1 ntpd[8278]: frequency initialized 0.000 PPM from /var/lib/ntp/drift
Feb 16 19:21:12 vz1 sendmail: sendmail startup succeeded
Feb 16 19:21:12 vz1 sendmail: sm-client startup succeeded
Feb 16 19:21:12 vz1 crond: crond startup succeeded
Feb 16 19:21:13 vz1 anacron: anacron startup succeeded
Feb 16 19:21:13 vz1 atd: atd startup succeeded
Feb 16 19:21:14 vz1 messagebus: messagebus startup succeeded
Feb 16 19:21:14 vz1 cups-config-daemon: cups-config-daemon startup succeeded
Feb 16 19:21:14 vz1 haldaemon: haldaemon startup succeeded
Feb 16 19:21:14 vz1 fstab-sync[8964]: removed all generated mount points
Feb 16 19:21:53 vz1 sshd(pam_unix)[9126]: session opened for user root by root(uid=0)
```

c-tools

```
<openvz management tools>
```

```
[root@vz1 ~]# yum install vzctl vzquota
```

```
<openvz template management tools>
```

```
[root@vz1 ~]# yum install vzpkg vzyum vzrpm43-python vzrpm44-python vzrpm44
```

```
<list/install the templates we want>  
[root@vz1 ~]# yum search vztmpl  
[root@vz1 ~]# yum install vztmpl-centos-4  
<create/update the caches of all the templates>  
[root@vz1 ~]# vzpkgcache
```

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