

# redhat 7.3 installation

**Source:** <http://linux.derkeiler.com/Mailing-Lists/RedHat/2003-08/2839.html>

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**From:** TP R Murthy (*r.murthy\_at\_ceruleaninfotech.com*)

**Date:** 08/27/03

To: redhat-list@redhat.com

Date: Wed, 27 Aug 2003 15:50:56 +0530 (IST)

hi,

i have been installing the redhat 7.3 on some machines at office.

all the systems crash after some time. keyboard, mouse and everything stops working. the monitor freezes.

when i looked at the dmesg, this is what i found

```
Linux agpgart interface v0.99 (c) Jeff Hartmann
agpgart: Maximum main memory to use for agp memory: 202M
agpgart: Detected an Intel i810 E Chipset.
agpgart: detected 4MB dedicated video ram.
agpgart: AGP aperture is 64M @ 0xe4000000
[drm] AGP 0.99 on Intel i810 @ 0xe4000000 64MB
[drm] Initialized i810 1.2.0 20010920 on minor 0
mtrr: base(0xe4000000) is not aligned on a size(0x12c000) boundary
memory : cfe10ea0
memory : cfe10ee0
memory : cfe10f20
```

This happens on all the hosts that i installed linux. Those machines that are working fine do not have these error messages.

appreciate anyone helping me fix this problem.

regards,

output of dmesg:

```
Linux version 2.4.18-3 (bhcompile@daffy.perf.redhat.com) (gcc version 2.96 20000731 (Red Hat Linux 7.3
2.96-110)) #1 Thu Apr 18 07:37:53 EDT 2002
BIOS-provided physical RAM map:
BIOS-e820: 0000000000000000 - 000000000009fc00 (usable)
BIOS-e820: 000000000009fc00 - 00000000000a0000 (reserved)
BIOS-e820: 00000000000f0000 - 0000000000100000 (reserved)
BIOS-e820: 0000000000100000 - 0000000000feec00 (usable)
```

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BIOS-e820: 00000000feec000 – 00000000feef000 (ACPI data)  
BIOS-e820: 00000000feef000 – 00000000feff000 (reserved)  
BIOS-e820: 00000000feff000 – 00000000ff00000 (ACPI NVS)  
BIOS-e820: 00000000ffff0000 – 0000000100000000 (reserved)  
On node 0 totalpages: 65260  
zone(0): 4096 pages.  
zone(1): 61164 pages.  
zone(2): 0 pages.  
Kernel command line: ro root=/dev/hda5  
Initializing CPU#0  
Detected 936.659 MHz processor.  
Console: colour VGA+ 80x25  
Calibrating delay loop... 1867.77 BogoMIPS  
Memory: 254412k/261040k available (1119k kernel code, 6240k reserved, 775k data, 280k init, 0k highmem)  
Dentry cache hash table entries: 32768 (order: 6, 262144 bytes)  
Inode cache hash table entries: 16384 (order: 5, 131072 bytes)  
Mount-cache hash table entries: 4096 (order: 3, 32768 bytes)  
Buffer cache hash table entries: 16384 (order: 4, 65536 bytes)  
Page-cache hash table entries: 65536 (order: 6, 262144 bytes)  
CPU: Before vendor init, caps: 0383f9ff 00000000 00000000, vendor = 0  
CPU: L1 I cache: 16K, L1 D cache: 16K  
CPU: L2 cache: 256K  
CPU: After vendor init, caps: 0383f9ff 00000000 00000000 00000000  
Intel machine check architecture supported.  
Intel machine check reporting enabled on CPU#0.  
CPU: After generic, caps: 0383f9ff 00000000 00000000 00000000  
CPU: Common caps: 0383f9ff 00000000 00000000 00000000  
CPU: Intel Pentium III (Coppermine) stepping 0a  
Enabling fast FPU save and restore... done.  
Enabling unmasked SIMD FPU exception support... done.  
Checking 'hlt' instruction... OK.  
POSIX conformance testing by UNIFIX  
mtrr: v1.40 (20010327) Richard Gooch (rgooch@atnf.csiro.au)  
mtrr: detected mtrr type: Intel  
PCI: PCI BIOS revision 2.10 entry at 0xf0900, last bus=1  
PCI: Using configuration type 1  
PCI: Probing PCI hardware  
PCI: Using IRQ router PIIX [8086/2410] at 00:1f.0  
isapnp: Scanning for PnP cards...  
isapnp: No Plug & Play device found  
Linux NET4.0 for Linux 2.4  
Based upon Swansea University Computer Society NET3.039  
Initializing RT netlink socket  
apm: BIOS version 1.2 Flags 0x03 (Driver version 1.16)  
Starting kswapd  
VFS: Diskquotas version dquot\_6.5.0 initialized  
pty: 2048 Unix98 ptys configured  
Serial driver version 5.05c (2001-07-08) with MANY\_PORTS MULTIPORT SHARE\_IRQ SERIAL\_PCI  
ISAPNP enabled  
ttyS00 at 0x03f8 (irq = 4) is a 16550A  
ttyS01 at 0x02f8 (irq = 3) is a 16550A

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Real Time Clock Driver v1.10e  
block: 480 slots per queue, batch=120  
Uniform Multi-Platform E-IDE driver Revision: 6.31  
ide: Assuming 33MHz system bus speed for PIO modes; override with idebus=xx  
PIIX4: IDE controller on PCI bus 00 dev f9  
PIIX4: chipset revision 2  
PIIX4: not 100% native mode: will probe irqs later  
  ide0: BM-DMA at 0xb800-0xb807, BIOS settings: hda:DMA, hdb:DMA  
  ide1: BM-DMA at 0xb808-0xb80f, BIOS settings: hdc:pio, hdd:pio  
hda: ST340810A, ATA DISK drive  
hdb: SAMSUNG CD-ROM SC-152L, ATAPI CD/DVD-ROM drive  
ide0 at 0x1f0-0x1f7,0x3f6 on irq 14  
blk: queue c035e6a4, I/O limit 4095Mb (mask 0xffffffff)  
hda: 78165360 sectors (40021 MB) w/2048KiB Cache, CHS=4865/255/63, UDMA(33)  
ide-floppy driver 0.99.newide  
Partition check:  
  hda: hda1 hda2 hda3 hda4 < hda5 hda6 hda7 >  
Floppy drive(s): fd0 is 1.44M  
FDC 0 is a post-1991 82077  
RAMDISK driver initialized: 16 RAM disks of 4096K size 1024 blocksize  
ide-floppy driver 0.99.newide  
md: md driver 0.90.0 MAX\_MD\_DEVS=256, MD\_SB\_DISKS=27  
md: Autodetecting RAID arrays.  
md: autorun ...  
md: ... autorun DONE.  
NET4: Linux TCP/IP 1.0 for NET4.0  
IP Protocols: ICMP, UDP, TCP, IGMP  
IP: routing cache hash table of 2048 buckets, 16Kbytes  
TCP: Hash tables configured (established 16384 bind 16384)  
Linux IP multicast router 0.06 plus PIM-SM  
NET4: Unix domain sockets 1.0/SMP for Linux NET4.0.  
RAMDISK: Compressed image found at block 0  
Freeing initrd memory: 122k freed  
VFS: Mounted root (ext2 filesystem).  
Journalled Block Device driver loaded  
kjournald starting. Commit interval 5 seconds  
EXT3-fs: mounted filesystem with ordered data mode.  
Freeing unused kernel memory: 280k freed  
Adding Swap: 522072k swap-space (priority -1)  
usb.c: registered new driver usbdevfs  
usb.c: registered new driver hub  
usb-uhci.c: \$Revision: 1.275 \$ time 07:43:07 Apr 18 2002  
usb-uhci.c: High bandwidth mode enabled  
PCI: Found IRQ 5 for device 00:1f.2  
PCI: Setting latency timer of device 00:1f.2 to 64  
usb-uhci.c: USB UHCI at I/O 0xb400, IRQ 5  
usb-uhci.c: Detected 2 ports  
usb.c: new USB bus registered, assigned bus number 1  
hub.c: USB hub found  
hub.c: 2 ports detected  
usb-uhci.c: v1.275:USB Universal Host Controller Interface driver

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EXT3 FS 2.4-0.9.17, 10 Jan 2002 on ide0(3,5), internal journal
kjournald starting. Commit interval 5 seconds
EXT3 FS 2.4-0.9.17, 10 Jan 2002 on ide0(3,1), internal journal
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3 FS 2.4-0.9.17, 10 Jan 2002 on ide0(3,7), internal journal
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3 FS 2.4-0.9.17, 10 Jan 2002 on ide0(3,3), internal journal
EXT3-fs: mounted filesystem with ordered data mode.
kjournald starting. Commit interval 5 seconds
EXT3 FS 2.4-0.9.17, 10 Jan 2002 on ide0(3,2), internal journal
EXT3-fs: mounted filesystem with ordered data mode.
ide-floppy driver 0.99.newide
hdb: ATAPI 52X CD-ROM drive, 128kB Cache, DMA
Uniform CD-ROM driver Revision: 3.12
hdb: DMA disabled
parport0: PC-style at 0x378 (0x778) [PCSP,TRISTATE,EPP]
parport0: irq 7 detected
8139too Fast Ethernet driver 0.9.24
PCI: Found IRQ 10 for device 01:09.0
PCI: Sharing IRQ 10 with 00:1f.3
eth0: RealTek RTL8139 Fast Ethernet at 0xd08b3000, 00:0b:2b:0b:56:ed, IRQ 10
eth0: Identified 8139 chip type 'RTL-8139C'
eth0: Setting half-duplex based on auto-negotiated partner ability 0000.
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"I do not feel obliged to believe that the same God who  
has endowed us with sense, reason, and intellect has

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intended us to forgo their use."

-- Galileo Galilei

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