

# kernel panic FreeBSD 7.0 – Xorg

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*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2008-05/msg00526.html>

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- *From:* Zbigniew Komarnicki <[cblasius@xxxxxxxxx](mailto:cblasius@xxxxxxxxx)>
  - *Date:* Mon, 12 May 2008 12:51:26 +0200
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Hello!

I decide to go on FreeBSD 7.0-RELEASE. Before I used 6.3-RELEASE. But now I cannot get working Xorg. I almost get the kernel panic. I install fresh 7.0-RELEASE and update ports by portsnap and everything compiled by ports system. After instalgn 'xorg' ports I do the following steps as root:

```
Xorg -configure  
X -config /root/xorg.conf.new
```

and I got black monitor and after few seconds the system reboots. Then I go to single user and do

```
fsck -p
```

(Similar was when I logon as root and typed "startx")

After that, I boot the system and I saw on the monitor the following (the exactly output is in file messages attached in this e-mail):

```
savecore: reboot after panic: vm_fault: fault on nofault entry, addr: e56e8000  
savecore: writing core to vmcore.2
```

and then I examine the file "xorg.conf.org" (I attached the file) and I saw that I have there the following line:  
Driver "radeon"

In FreeBSD 6.3-RELEASE I had there  
Driver "ati"  
so I change it to "ati" and do

```
X -config /root/xorg.conf.new
```

but with no result – kernel panic again.

What going on here?

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After fsck -p i decide to use "vesa" driver. I could only obtain the resolution "1024x678", but my monitor use "1280x1024". I have the following monitor: Philips 190P

Could someone help me, please?

If you need more information I send it to you.

Thank you in advance.

Here are additional information:

```
# uname -a
```

```
FreeBSD komp1.dom 7.0-RELEASE FreeBSD 7.0-RELEASE #0: Sun Feb 24 19:59:52 UTC 2008 root@xxxxxxxxxxxxxxxxxxxxxx:/usr/obj/usr/src/sys/GENERIC i386
```

I have the following motherboard: A-7N400SL F5 (from first screen after computer started) and also 3/29/2005-nVidia-nForce-6AG1BG0QC-00.

The attached files:

1. messages (from /var/log/messages)
2. xorg.conf.new (from /root/xorg.conf.new)

Thank you in advance for any help and I'm sorry for my English.

Best wishes,

Zbigniew

```
May 12 11:38:29 komp1 syslogd: kernel boot file is /boot/kernel/kernel
```

```
May 12 11:38:29 komp1 kernel: Copyright (c) 1992-2008 The FreeBSD Project.
```

```
May 12 11:38:29 komp1 kernel: Copyright (c) 1979, 1980, 1983, 1986, 1988, 1989, 1991, 1992, 1993, 1994
```

```
May 12 11:38:29 komp1 kernel: The Regents of the University of California. All rights reserved.
```

```
May 12 11:38:29 komp1 kernel: FreeBSD is a registered trademark of The FreeBSD Foundation.
```

```
May 12 11:38:29 komp1 kernel: FreeBSD 7.0-RELEASE #0: Sun Feb 24 19:59:52 UTC 2008
```

```
May 12 11:38:29 komp1 kernel: root@xxxxxxxxxxxxxxxxxxxxxx:/usr/obj/usr/src/sys/GENERIC
```

```
May 12 11:38:29 komp1 kernel: Timecounter "i8254" frequency 1193182 Hz quality 0
```

```
May 12 11:38:29 komp1 kernel: CPU: AMD Athlon(tm) XP 2000+ (1660.38-MHz 686-class CPU)
```

```
May 12 11:38:29 komp1 kernel: Origin = "AuthenticAMD" Id = 0x681 Stepping = 1
```

```
May 12 11:38:29 komp1 kernel:
```

```
Features=0x383fbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE3
```

```
May 12 11:38:29 komp1 kernel: AMD Features=0xc0400800<SYSCALL,MMX+,3DNow!+,3DNow!>
```

```
May 12 11:38:29 komp1 kernel: real memory = 2147418112 (2047 MB)
```

```
May 12 11:38:29 komp1 kernel: avail memory = 2091872256 (1994 MB)
```

```
May 12 11:38:29 komp1 kernel: ACPI APIC Table: <Nvidia AWRDACPI>
```

```
May 12 11:38:29 komp1 kernel: ioapic0 <Version 1.1> irqs 0-23 on motherboard
```

```
May 12 11:38:29 komp1 kernel: kbd1 at kbdmux0
```

```
May 12 11:38:29 komp1 kernel: ath_hal: 0.9.20.3 (AR5210, AR5211, AR5212, RF5111, RF5112, RF2413, RF5413)
```

```
May 12 11:38:29 komp1 kernel: hpttr: HPT RocketRAID controller driver v1.1 (Feb 24 2008 19:59:27)
```

```
May 12 11:38:29 komp1 kernel: acpi0: <Nvidia AWRDACPI> on motherboard
```

```
May 12 11:38:29 komp1 kernel: acpi0: [ITHREAD]
```

```
May 12 11:38:29 komp1 kernel: acpi0: Power Button (fixed)
```

```
May 12 11:38:29 komp1 kernel: acpi0: reservation of 0, a0000 (3) failed
```

```
May 12 11:38:29 komp1 kernel: acpi0: reservation of 100000, 7fef0000 (3) failed
```

```
May 12 11:38:29 komp1 kernel: Timecounter "ACPI-fast" frequency 3579545 Hz quality 1000
```

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May 12 11:38:29 komp1 kernel: acpi\_timer0: <24-bit timer at 3.579545MHz> port 0x4008–0x400b on acpi0  
May 12 11:38:29 komp1 kernel: cpu0: <ACPI CPU> on acpi0  
May 12 11:38:29 komp1 kernel: acpi\_button0: <Power Button> on acpi0  
May 12 11:38:29 komp1 kernel: pcib0: <ACPI Host-PCI bridge> port 0xcf8–0xcff,0xcf0–0xcf3 on acpi0  
May 12 11:38:29 komp1 kernel: pci0: <ACPI PCI bus> on pcib0  
May 12 11:38:29 komp1 kernel: Correcting nForce2 C1 CPU disconnect hangs  
May 12 11:38:29 komp1 kernel: agp0: <NVIDIA nForce2 AGP Controller> on hostb0  
May 12 11:38:29 komp1 kernel: pci0: <memory, RAM> at device 0.1 (no driver attached)  
May 12 11:38:29 komp1 kernel: pci0: <memory, RAM> at device 0.2 (no driver attached)  
May 12 11:38:29 komp1 kernel: pci0: <memory, RAM> at device 0.3 (no driver attached)  
May 12 11:38:29 komp1 kernel: pci0: <memory, RAM> at device 0.4 (no driver attached)  
May 12 11:38:29 komp1 kernel: pci0: <memory, RAM> at device 0.5 (no driver attached)  
May 12 11:38:29 komp1 kernel: isab0: <PCI-ISA bridge> at device 1.0 on pci0  
May 12 11:38:29 komp1 kernel: isa0: <ISA bus> on isab0  
May 12 11:38:29 komp1 kernel: pci0: <serial bus, SMBus> at device 1.1 (no driver attached)  
May 12 11:38:29 komp1 kernel: ohci0: <OHCI (generic) USB controller> mem 0xe8003000–0xe8003fff irq  
20 at device 2.0 on pci0  
May 12 11:38:29 komp1 kernel: ohci0: [GIANT-LOCKED]  
May 12 11:38:29 komp1 kernel: ohci0: [ITHREAD]  
May 12 11:38:29 komp1 kernel: usb0: OHCI version 1.0, legacy support  
May 12 11:38:29 komp1 kernel: usb0: <OHCI (generic) USB controller> on ohci0  
May 12 11:38:29 komp1 kernel: usb0: USB revision 1.0  
May 12 11:38:29 komp1 kernel: uhub0: <nVidia OHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb0  
May 12 11:38:29 komp1 kernel: uhub0: 4 ports with 4 removable, self powered  
May 12 11:38:29 komp1 kernel: ohci1: <OHCI (generic) USB controller> mem 0xe8004000–0xe8004fff irq  
21 at device 2.1 on pci0  
May 12 11:38:29 komp1 kernel: ohci1: [GIANT-LOCKED]  
May 12 11:38:29 komp1 kernel: ohci1: [ITHREAD]  
May 12 11:38:29 komp1 kernel: usb1: OHCI version 1.0, legacy support  
May 12 11:38:29 komp1 kernel: usb1: <OHCI (generic) USB controller> on ohci1  
May 12 11:38:29 komp1 kernel: usb1: USB revision 1.0  
May 12 11:38:29 komp1 kernel: uhub1: <nVidia OHCI root hub, class 9/0, rev 1.00/1.00, addr 1> on usb1  
May 12 11:38:29 komp1 kernel: uhub1: 4 ports with 4 removable, self powered  
May 12 11:38:29 komp1 kernel: ehci0: <NVIDIA nForce2 Ultra 400 USB 2.0 controller> mem  
0xe8005000–0xe8005fff irq 20 at device 2.2 on pci0  
May 12 11:38:29 komp1 kernel: ehci0: [GIANT-LOCKED]  
May 12 11:38:29 komp1 kernel: ehci0: [ITHREAD]  
May 12 11:38:29 komp1 kernel: usb2: EHCI version 1.0  
May 12 11:38:29 komp1 kernel: usb2: companion controllers, 4 ports each: usb0 usb1  
May 12 11:38:29 komp1 kernel: usb2: <NVIDIA nForce2 Ultra 400 USB 2.0 controller> on ehci0  
May 12 11:38:29 komp1 kernel: usb2: USB revision 2.0  
May 12 11:38:29 komp1 kernel: uhub2: <nVidia EHCI root hub, class 9/0, rev 2.00/1.00, addr 1> on usb2  
May 12 11:38:29 komp1 kernel: uhub2: 8 ports with 8 removable, self powered  
May 12 11:38:29 komp1 kernel: uhub3: <vendor 0x04b4 product 0x6560, class 9/0, rev 2.00/0.0b, addr 2> on  
uhub2  
May 12 11:38:29 komp1 kernel: uhub3: multiple transaction translators  
May 12 11:38:29 komp1 kernel: uhub3: 4 ports with 4 removable, self powered  
May 12 11:38:29 komp1 kernel: pci0: <multimedia, audio> at device 6.0 (no driver attached)  
May 12 11:38:29 komp1 kernel: pcib1: <ACPI PCI-PCI bridge> at device 8.0 on pci0  
May 12 11:38:29 komp1 kernel: pci1: <ACPI PCI bus> on pcib1  
May 12 11:38:29 komp1 kernel: rl0: <RealTek 8139 10/100BaseTX> port 0x9000–0x90ff mem

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0xe7000000–0xe70000ff irq 18 at device 6.0 on pci1  
May 12 11:38:29 komp1 kernel: miibus0: <MII bus> on rl0  
May 12 11:38:29 komp1 kernel: rlphy0: <RealTek internal media interface> PHY 0 on miibus0  
May 12 11:38:29 komp1 kernel: rlphy0: 10baseT, 10baseT–FDX, 100baseTX, 100baseTX–FDX, auto  
May 12 11:38:29 komp1 kernel: rl0: Ethernet address: 00:30:4f:50:ed:11  
May 12 11:38:29 komp1 kernel: rl0: [ITHREAD]  
May 12 11:38:29 komp1 kernel: rl1: <RealTek 8139 10/100BaseTX> port 0x9400–0x94ff mem  
0xe7001000–0xe70010ff irq 16 at device 11.0 on pci1  
May 12 11:38:29 komp1 kernel: miibus1: <MII bus> on rl1  
May 12 11:38:29 komp1 kernel: rlphy1: <RealTek internal media interface> PHY 0 on miibus1  
May 12 11:38:29 komp1 kernel: rlphy1: 10baseT, 10baseT–FDX, 100baseTX, 100baseTX–FDX, auto  
May 12 11:38:29 komp1 kernel: rl1: Ethernet address: 00:0f:ea:c9:f0:5a  
May 12 11:38:29 komp1 kernel: rl1: [ITHREAD]  
May 12 11:38:29 komp1 kernel: atapci0: <nVidia nForce2 Pro UDMA133 controller> port  
0x1f0–0x1f7,0x3f6,0x170–0x177,0x376,0xf000–0xf00f at device 9.0 on pci0  
May 12 11:38:29 komp1 kernel: ata0: <ATA channel 0> on atapci0  
May 12 11:38:29 komp1 kernel: ata0: [ITHREAD]  
May 12 11:38:29 komp1 kernel: ata1: <ATA channel 1> on atapci0  
May 12 11:38:29 komp1 kernel: ata1: [ITHREAD]  
May 12 11:38:29 komp1 kernel: atapci1: <nVidia nForce2 Pro SATA150 controller> port  
0x9f0–0x9f7,0xbf0–0xbf3,0x970–0x977,0xb70–0xb73,0xe400–0xe40f,0xe800–0xe87f irq 22 at device 11.0  
on pci0  
May 12 11:38:29 komp1 kernel: atapci1: [ITHREAD]  
May 12 11:38:29 komp1 kernel: ata2: <ATA channel 0> on atapci1  
May 12 11:38:29 komp1 kernel: ata2: [ITHREAD]  
May 12 11:38:29 komp1 kernel: ata3: <ATA channel 1> on atapci1  
May 12 11:38:29 komp1 kernel: ata3: [ITHREAD]  
May 12 11:38:29 komp1 kernel: pcib2: <ACPI PCI–PCI bridge> at device 30.0 on pci0  
May 12 11:38:29 komp1 kernel: pci2: <ACPI PCI bus> on pcib2  
May 12 11:38:29 komp1 kernel: vgapci0: <VGA–compatible display> port 0xa000–0xa0ff mem  
0xd0000000–0xdfffffff,0xe5000000–0xe500ffff irq 19 at device 0.0 on pci2  
May 12 11:38:29 komp1 kernel: fdc0: <floppy drive controller> port 0x3f0–0x3f5,0x3f7 irq 6 drq 2 on acpi0  
May 12 11:38:29 komp1 kernel: fdc0: [FILTER]  
May 12 11:38:29 komp1 kernel: fd0: <1440–KB 3.5" drive> on fdc0 drive 0  
May 12 11:38:29 komp1 kernel: sio0: <16550A–compatible COM port> port 0x3f8–0x3ff irq 4 flags 0x10 on  
acpi0  
May 12 11:38:29 komp1 kernel: sio0: type 16550A  
May 12 11:38:29 komp1 kernel: sio0: [FILTER]  
May 12 11:38:29 komp1 kernel: sio1: <16550A–compatible COM port> port 0x2f8–0x2ff irq 3 on acpi0  
May 12 11:38:29 komp1 kernel: sio1: type 16550A  
May 12 11:38:29 komp1 kernel: sio1: [FILTER]  
May 12 11:38:29 komp1 kernel: atkbd0: <Keyboard controller (i8042)> port 0x60,0x64 irq 1 on acpi0  
May 12 11:38:29 komp1 kernel: atkbd0: <AT Keyboard> irq 1 on atkbd0  
May 12 11:38:29 komp1 kernel: kbd0 at atkbd0  
May 12 11:38:29 komp1 kernel: atkbd0: [GIANT–LOCKED]  
May 12 11:38:29 komp1 kernel: atkbd0: [ITHREAD]  
May 12 11:38:29 komp1 kernel: psm0: <PS/2 Mouse> irq 12 on atkbd0  
May 12 11:38:29 komp1 kernel: psm0: [GIANT–LOCKED]  
May 12 11:38:29 komp1 kernel: psm0: [ITHREAD]  
May 12 11:38:29 komp1 kernel: psm0: model IntelliMouse, device ID 3  
May 12 11:38:29 komp1 kernel: pmtimer0 on isa0

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May 12 11:38:29 komp1 kernel: orm0: <ISA Option ROM> at iomem 0xc0000–0xcbfff pnpid ORM0000 on isa0  
May 12 11:38:29 komp1 kernel: ppc0: <Parallel port> at port 0x378–0x37f irq 7 on isa0  
May 12 11:38:29 komp1 kernel: ppc0: SMC–like chipset (ECP/EPP/PS2/NIBBLE) in COMPATIBLE mode  
May 12 11:38:29 komp1 kernel: ppc0: FIFO with 16/16/16 bytes threshold  
May 12 11:38:29 komp1 kernel: ppbus0: <Parallel port bus> on ppc0  
May 12 11:38:29 komp1 kernel: ppbus0: [ITHREAD]  
May 12 11:38:29 komp1 kernel: plip0: <PLIP network interface> on ppbus0  
May 12 11:38:29 komp1 kernel: lpt0: <Printer> on ppbus0  
May 12 11:38:29 komp1 kernel: lpt0: Interrupt–driven port  
May 12 11:38:29 komp1 kernel: ppi0: <Parallel I/O> on ppbus0  
May 12 11:38:29 komp1 kernel: ppc0: [GIANT–LOCKED]  
May 12 11:38:29 komp1 kernel: ppc0: [ITHREAD]  
May 12 11:38:29 komp1 kernel: sc0: <System console> at flags 0x100 on isa0  
May 12 11:38:29 komp1 kernel: sc0: VGA <16 virtual consoles, flags=0x300>  
May 12 11:38:29 komp1 kernel: vga0: <Generic ISA VGA> at port 0x3c0–0x3df iomem 0xa0000–0xbffff on isa0  
May 12 11:38:29 komp1 kernel: Timecounter "TSC" frequency 1660384421 Hz quality 800  
May 12 11:38:29 komp1 kernel: Timecounters tick every 1.000 msec  
May 12 11:38:29 komp1 kernel: hptrr: no controller detected.  
May 12 11:38:29 komp1 kernel: ad0: 114472MB <Seagate ST3120026A 3.06> at ata0–master UDMA100  
May 12 11:38:29 komp1 kernel: ad1: 238474MB <Seagate ST3250620A 3.AAD> at ata0–slave UDMA100  
May 12 11:38:29 komp1 kernel: acd0: DVDR <HL–DT–ST DVDROM GSA–4167B/DL10> at ata1–master UDMA33  
May 12 11:38:29 komp1 kernel: acd1: DVDROM <HL–DT–STDVD–ROM GDR8162B/0015> at ata1–slave UDMA33  
May 12 11:38:29 komp1 kernel: ad6: 190782MB <Seagate ST3200820AS 3.AAD> at ata3–master SATA150  
May 12 11:38:29 komp1 kernel: Trying to mount root from ufs:/dev/ad6s1a  
May 12 11:38:29 komp1 savecore: reboot after panic: vm\_fault: fault on nofault entry, addr: e56e8000  
May 12 11:38:29 komp1 savecore: writing core to vmcore.2  
May 12 11:38:30 komp1 kernel: rl0: link state changed to UP

### Section "ServerLayout"

Identifier "X.org Configured"  
Screen 0 "Screen0" 0 0  
InputDevice "Mouse0" "CorePointer"  
InputDevice "Keyboard0" "CoreKeyboard"  
EndSection

### Section "Files"

RgbPath "/usr/local/share/X11/rgb"  
ModulePath "/usr/local/lib/xorg/modules"  
FontPath "/usr/local/lib/X11/fonts/misc/"  
FontPath "/usr/local/lib/X11/fonts/TTF/"  
FontPath "/usr/local/lib/X11/fonts/OTF"  
FontPath "/usr/local/lib/X11/fonts/Type1/"  
FontPath "/usr/local/lib/X11/fonts/100dpi/"  
FontPath "/usr/local/lib/X11/fonts/75dpi/"  
EndSection

### Section "Module"

```
Load "extmod"  
Load "record"  
Load "dbe"  
Load "glx"  
Load "GLcore"  
Load "xtrap"  
Load "dri"  
Load "freetype"  
Load "type1"  
EndSection
```

```
Section "InputDevice"  
Identifier "Keyboard0"  
Driver "kbd"  
EndSection
```

```
Section "InputDevice"  
Identifier "Mouse0"  
Driver "mouse"  
Option "Protocol" "auto"  
Option "Device" "/dev/sysmouse"  
Option "ZAxisMapping" "4 5 6 7"  
EndSection
```

```
Section "Monitor"  
#DisplaySize 380 300 # mm  
Identifier "Monitor0"  
VendorName "PHL"  
ModelName "Philips 190P"  
### Comment all HorizSync and VertRefresh values to use DDC:  
HorizSync 30.0 – 83.0  
VertRefresh 56.0 – 76.0  
Option "DPMS"  
EndSection
```

```
Section "Device"  
### Available Driver options are:–  
### Values: <i>: integer, <f>: float, <bool>: "True"/"False",  
### <string>: "String", <freq>: "<f> Hz/kHz/MHz"  
### [arg]: arg optional  
#Option "NoAccel" # [<bool>]  
#Option "SWcursor" # [<bool>]  
#Option "Dac6Bit" # [<bool>]  
#Option "Dac8Bit" # [<bool>]  
#Option "BusType" # [<str>]  
#Option "CPPIOMode" # [<bool>]  
#Option "CPusecTimeout" # <i>  
#Option "AGPMode" # <i>  
#Option "AGPFastWrite" # [<bool>]  
#Option "AGPSize" # <i>  
#Option "GARTSize" # <i>
```

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```
#Option "RingSize" # <i>
#Option "BufferSize" # <i>
#Option "EnableDepthMoves" # [<bool>]
#Option "EnablePageFlip" # [<bool>]
#Option "NoBackBuffer" # [<bool>]
#Option "DMAForXv" # [<bool>]
#Option "FBTexPercent" # <i>
#Option "DepthBits" # <i>
#Option "PCIAPERSize" # <i>
#Option "AccelDFS" # [<bool>]
#Option "DDCMode" # [<bool>]
#Option "IgnoreEDID" # [<bool>]
#Option "DisplayPriority" # [<str>]
#Option "PanelSize" # [<str>]
#Option "ForceMinDotClock" # <freq>
#Option "ColorTiling" # [<bool>]
#Option "VideoKey" # <i>
#Option "RageTheatreCrystal" # <i>
#Option "RageTheatreTunerPort" # <i>
#Option "RageTheatreCompositePort" # <i>
#Option "RageTheatreSVideoPort" # <i>
#Option "TunerType" # <i>
#Option "RageTheatreMicrocPath" # <str>
#Option "RageTheatreMicrocType" # <str>
#Option "ScalerWidth" # <i>
#Option "RenderAccel" # [<bool>]
#Option "SubPixelOrder" # [<str>]
#Option "ShowCache" # [<bool>]
#Option "DynamicClocks" # [<bool>]
#Option "VGAAccess" # [<bool>]
#Option "ReverseDDC" # [<bool>]
#Option "LVDSProbePLL" # [<bool>]
#Option "AccelMethod" # <str>
#Option "DRI" # [<bool>]
#Option "ConnectorTable" # <str>
#Option "DefaultConnectorTable" # [<bool>]
#Option "DefaultTMDSPLL" # [<bool>]
#Option "TVDACLoadDetect" # [<bool>]
#Option "ForceTVOut" # [<bool>]
#Option "TVStandard" # <str>
#Option "IgnoreLidStatus" # [<bool>]
Identifier "Card0"
Driver "radeon"
VendorName "ATI Technologies Inc"
BoardName "RV280 [Radeon 9200 SE]"
BusID "PCI:2:0:0"
EndSection

Section "Screen"
Identifier "Screen0"
Device "Card0"
```

```
Monitor "Monitor0"  
SubSection "Display"  
Viewport 0 0  
Depth 1  
EndSubSection  
SubSection "Display"  
Viewport 0 0  
Depth 4  
EndSubSection  
SubSection "Display"  
Viewport 0 0  
Depth 8  
EndSubSection  
SubSection "Display"  
Viewport 0 0  
Depth 15  
EndSubSection  
SubSection "Display"  
Viewport 0 0  
Depth 16  
EndSubSection  
SubSection "Display"  
Viewport 0 0  
Depth 24  
EndSubSection  
EndSection
```

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freebsd-questions@xxxxxxxxxxx mailing list

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