

FreeBSD動作検証レポート

対象ハードウェア

maker:NEC, product:Express5800/R120e-1M [N8100-2056Y],
serial:3X00105, version:FR1.1

対象OSバージョン

FreeBSD 10.0-RELEASE #0 r260789: Thu Jan 16 22:34:59 UTC
2014

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BSDコンサルティング株式会社

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動作検証レポート 要約

ハードウェア基本情報

製品UUID	00d2784b-7235-e311-8001-d43d7e785977
製品データ	maker:NEC, product:Express5800/R120e-1M [N8100-2056Y], serial:3X00105, version:FR1.1
筐体データ	maker:NEC, serial:01, tag:_____, version:856-857570-001
CPU	Intel(R) Xeon(R) CPU E5-2609 v2 @ 2.50GHz
MEMORY	16777216[KB]
BIOS	reldate:08/08/2013, vendor:American Megatrends Inc., version:4.6.0005
ACPI	oem:ALASKA, revision:2, rsdp:0x000f0490, rsdt:0x7c98d028, xsdt:0x000000007c98d080
OS	FreeBSD 10.0-RELEASE #0 r260789: Thu Jan 16 22:34:59 UTC 2014

動作検証レポート 要約

FreeBSD 10.0-RELEASE #0 r260789: Thu Jan 16 22:34:59 UTC 2014は検証対象ハードウェア「maker:NEC, product:Express5800/R120e-1M [N8100-2056Y], serial:3X00105, version:FR1.1」を適切に認識する。ただし、高負荷時にIvy Bridge関連のバグと見られる現象でカーネルがパニックすることがあり、高負荷環境での利用には適さないものとみられる。この問題はFreeBSD 10.0-STABLEではすでに解決されていることから、高負荷環境での使用には最新のFreeBSD 10-STABLEまたは今後リリースされることになるFreeBSD 10.1-RELEASE以降のバージョンの採用が推奨される。

負荷の低い状況ではこうした問題は発生しないことから、ケースによってはデフォルトのカーネルのままFreeBSD 10.0-RELEASEを運用しても問題のないケースも存在する。実際に運用する場合の負荷を想定して負荷試験を実施することが推奨される。

FreeBSD 10.0-RELEASEのベースシステムのまま運用したい場合には、FreeBSD 10.0-STABLEから該当する変更をバックポートしたカーネルを新しく構築して利用する方法もある。FreeBSDは同じメジャーバージョンの間はカーネルバイナリインターフェース (KBI) を維持する方針をとっていることから、バックポートを適用したカーネルまたはFreeBSD 10.0-STABLEのカーネルとFreeBSD 10.0-RELEASEのユーザランドを組み合わせて使用することも可能である。

※ より長期間に渡る負荷試験の実施やカスタムカーネルの開発とご提供、データセンターまたはオンプレミスでのFreeBSDシステム的设计、セットアップ、デプロイなど詳しい内容や業務に関しましては弊社までお気軽にご相談ください。

ACPI認識データ

ACPI_APIC	Revision=3, OEMID=ALASKA, OEM_Table ID=0645, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_BERT	Revision=1, OEMID=AMI, OEM_Table ID=AMI BERT, OEM_Revision=0x0, Creator_ID=, Creator_Revision=0x0
ACPI_DMAR	Revision=1, OEMID=A_M I, OEM_Table ID=OEMDMAR, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x1
ACPI_DSDT	Revision=2, OEMID=ALASKA, OEM_Table ID=0645, OEM_Revision=0x15, Creator_ID=INTL, Creator_Revision=0x20091112
ACPI_FACP	Revision=5, OEMID=ALASKA, OEM_Table ID=0645, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013, FACS=0x7cc6a080, DSMT=0x7c98d188, SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0, FLUSH_STRIDE=16, DUTY_WIDTH=3, RESET_VALUE=0xfe
ACPI_FACS	HwSig=0x00000000, Firm_Wake_Vec=0x00000000
ACPI_FPDT	Revision=1, OEMID=ALASKA, OEM_Table ID=0645, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_HPET	Revision=1, OEMID=ALASKA, OEM_Table ID=0645, OEM_Revision=0x1072009, Creator_ID=AMI., Creator_Revision=0x5
ACPI_MCFG	Revision=1, OEMID=ALASKA, OEM_Table ID=OEMMCFG., OEM_Revision=0x1072009, Creator_ID=MSFT, Creator_Revision=0x97
ACPI_PRAD	Revision=2, OEMID=PRADID, OEM_Table ID=PRADTID, OEM_Revision=0x1, Creator_ID=MSFT, Creator_Revision=0x3000001
ACPI_RSD_PTR	OEM=ALASKA, ACPI_Rev=2.0x_(2), XSDT=0x7c98d080
ACPI_SLIT	Revision=1, OEMID=A_M I, OEM_Table ID=AMI SLIT, OEM_Revision=0x0, Creator_ID=AMI., Creator_Revision=0x0
ACPI_SRAT	Revision=1, OEMID=A_M I, OEM_Table ID=AMI SRAT, OEM_Revision=0x1, Creator_ID=AMI., Creator_Revision=0x0
ACPI_XSDT	Revision=1, OEMID=ALASKA, OEM_Table ID=0645, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_SSDT_1	Length=855216, Revision=2, Checksum=242, OEMID=INTEL, OEM_Table ID=CpuPm, OEM_Revision=0x4000, Creator_ID=INTL, Creator_Revision=0x20051117

MFIデバイス認識データ

アダプタ	mfi0 Adapter:, Product Name: LSI MegaRAID SAS 9272-8i, Serial Number: SV32233771, Firmware: 23.11.0-0034, RAID Levels: JBOD, RAID0, RAID1, RAID5, RAID6, RAID10, RAID50, Battery Backup: not present, NVRAM: 32K, Onboard Memory: 512M, Minimum Stripe: 8K, Maximum Stripe: 1M
ドライバ	mfi0 Physical Drives:, 8 (0.0) ONLINE lt;FUJITSU MBD2147RC 2902 serial=D0C1PA100183gt; SAS E1:S0
ボリューム	mfi0 Volumes:, Id Size Level Stripe State Cache Name, mfid0 (136G) RAID-0 256K OPTIMAL Disabled
コンフィグ	mfi0 Configuration: 1 arrays, 1 volumes, 0 spares, array 0 of 1 drives:, drive 8 (0.0) ONLINE lt;FUJITSU MBD2147RC 2902 serial=D0C1PA100183gt; SAS, volume mfid0 (136G) RAID-0 256K OPTIMAL spans:, array 0

※ 対象となるデバイスがmfi(4)ドライバを使用しないストレージ構成の場合、当項目は該当データなし。

MPTデバイス認識データ

アダプタ	該当データなし
ドライバ	該当データなし
ボリューム	該当データなし
コンフィグ	該当データなし

※ 対象となるデバイスがmpt(4)ドライバを使用しないストレージ構成の場合、当項目は該当データなし。

NIC認識データ

NIC	bge0, bge1, bge2, bge3
bge0	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=00:25:5c:d4:ec:90, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge1	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=00:25:5c:d4:ec:91, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge2	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=d4:3d:7e:78:58:e8, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect
bge3	flags=8802<BROADCAST,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TSO4, VLAN_HWTSO, LINKSTATE>, ether=d4:3d:7e:78:58:e9, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect

カーネルデバイス認識データ

acpi	apm	apmctl	audit
bpf	bpf0(bpf)	console	consolectl
ctty	cuau0	cuau0.init	cuau0.lock
cuau1	cuau1.init	cuau1.lock	devctl
devstat	dumpdev(mfid0p3)	fd	fd/0
fd/1	fd/2	fido	geom.ctl
gptid	gptid/ac07c154-a93e-11e3-b223-00255cd4ec90	io	kbd0(ukbd0)
kbd1(kbdmux0)	kbd2(ukbd1)	kbdmux0	klog
kmem	log(/var/run/log)	mdctl	megaraid_sas_ioctl_node(mfi0)
mem	mfi0	mfi0	mfi0p1
mfi0p2	mfi0p3	midistat	nfslock
null	pass0	pci	random
sndstat	stderr(fd/2)	stdin(fd/0)	stdout(fd/1)
sysmouse	ttyu0	ttyu0.init	ttyu0.lock
ttyu1	ttyu1.init	ttyu1.lock	ttyv0
ttyv1	ttyv2	ttyv3	ttyv4
ttyv5	ttyv6	ttyv7	ttyv8
ttyv9	ttyva	ttyvb	ttyvc
ttyvd	ttyve	ttyvf	ufssuspend
ugen0.1(usb/0.1.0)	ugen0.2(usb/0.2.0)	ugen0.3(usb/0.3.0)	ugen0.4(usb/0.4.0)
ugen0.5(usb/0.5.0)	ugen1.1(usb/1.1.0)	ugen1.2(usb/1.2.0)	ugen1.3(usb/1.3.0)
ukbd0	ukbd1	ums0	urandom(random)
usb	usb/0.1.0	usb/0.1.1	usb/0.2.0
usb/0.2.1	usb/0.3.0	usb/0.3.1	usb/0.4.0
usb/0.4.1	usb/0.5.0	usb/0.5.1	usb/0.5.2
usb/1.1.0	usb/1.1.1	usb/1.2.0	usb/1.2.1
usb/1.3.0	usb/1.3.1	usb/1.3.2	usbctl
xpt0	zero		

基礎性能データ

メモリアクセス速度	22.464 GBi/sec
IPv4スタック処理速度	360.939 MBi/sec
IPv6スタック処理速度	313.764 MBi/sec

PCI認識データ

1	pci0:0:0:0(hostb0), class=HOST-PCI, vendor='Intel Corporation', device='Ivytown DMI2'
2	pci0:0:1:0(pcb1), class=PCI-PCI, vendor='Intel Corporation', device=''
3	pci0:0:2:0(pcb2), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 2a'
4	pci0:0:3:0(pcb3), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 3a'
5	pci0:0:3:2(pcb4), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 3c'
6	pci0:0:4:0(none0), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 0'
7	pci0:0:4:1(none1), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 1'
8	pci0:0:4:2(none2), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 2'
9	pci0:0:4:3(none3), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 3'
10	pci0:0:4:4(none4), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 4'
11	pci0:0:4:5(none5), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 5'
12	pci0:0:4:6(none6), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 6'
13	pci0:0:4:7(none7), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 7'
14	pci0:0:5:0(none8), class=base peripheral, vendor='Intel Corporation', device='Ivytown VTd/Memory Map/Misc'
15	pci0:0:5:2(none9), class=base peripheral, vendor='Intel Corporation', device='Ivytown IIO RAS'
16	pci0:0:5:4(ioapic0), class=interrupt controller, vendor='Intel Corporation', device='Ivytown IOAPIC'
17	pci0:0:17:0(pcb5), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Virtual Root Port'
18	pci0:0:22:0(none10), class=simple comms, vendor='Intel Corporation', device='C600/X79 series chipset MEI Controller'
19	pci0:0:22:1(none11), class=simple comms, vendor='Intel Corporation', device='C600/X79 series chipset MEI Controller'
20	pci0:0:26:0(ehci0), class=USB, vendor='Intel Corporation', device='C600/X79 series chipset USB2 Enhanced Host Controller'
21	pci0:0:28:0(pcb6), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 1'
22	pci0:0:28:4(pcb7), class=PCI-PCI, vendor='Intel Corporation', device='C600/X79 series chipset PCI Express Root Port 5'
23	pci0:0:29:0(ehci1), class=USB, vendor='Intel Corporation', device='C600/X79 series chipset USB2 Enhanced Host Controller'
24	pci0:0:30:0(pcb8), class=PCI-PCI, vendor='Intel Corporation', device='82801 PCI Bridge'
25	pci0:0:31:0(isab0), class=PCI-ISA, vendor='Intel Corporation', device='C600/X79 series chipset LPC Controller'
26	pci0:0:31:2(atapci0), class=ATA, vendor='Intel Corporation', device='C600/X79 series chipset 4-Port SATA IDE Controller'
27	pci0:0:31:3(none12), class=SMBus, vendor='Intel Corporation', device='C600/X79 series chipset SMBus Host Controller'
28	pci0:0:31:5(atapci1), class=ATA, vendor='Intel Corporation', device='C600/X79 series chipset 2-Port SATA IDE Controller'
29	pci0:0:31:6(none13), class=dasp, vendor='Intel Corporation', device='C600/X79 series chipset Thermal Management Controller'
30	pci0:33:0:0(mfi0), class=RAID, vendor='LSI Logic / Symbios Logic', device='MegaRAID SAS 2208 [Thunderbolt]'
31	pci0:45:0:0(bge0), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5718 Gigabit Ethernet PCIe'
32	pci0:45:0:1(bge1), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5718 Gigabit Ethernet PCIe'
33	pci0:2:0:0(bge2), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5718 Gigabit Ethernet PCIe'
34	pci0:2:0:1(bge3), class=ethernet, vendor='Broadcom Corporation', device='NetXtreme BCM5718 Gigabit Ethernet PCIe'
35	pci0:5:0:0(vgapci0), class=VGA, vendor='Matrox Electronics Systems Ltd.', device='MGA G200e [Pilot] ServerEngines (SEP1)'
36	pci0:127:8:0(none14), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 0'
37	pci0:127:9:0(none15), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 1'
38	pci0:127:10:0(none16), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 0'
39	pci0:127:10:1(none17), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 1'
40	pci0:127:10:2(none18), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 2'
41	pci0:127:10:3(none19), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 3'
42	pci0:127:10:4(none20), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 4'
43	pci0:127:11:0(none21), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
44	pci0:127:11:3(none22), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
45	pci0:127:12:0(none23), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
46	pci0:127:12:1(none24), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
47	pci0:127:13:0(none25), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
48	pci0:127:13:1(none26), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'

49	pci0:127:14:0(none27), class=base peripheral, vendor='Intel Corporation', device='Ivytown Home Agent 0'
50	pci0:127:14:1(none28), class=dasp, vendor='Intel Corporation', device='Ivytown Home Agent 0'
51	pci0:127:15:0(none29), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
52	pci0:127:15:1(none30), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 RAS Registers'
53	pci0:127:15:2(none31), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
54	pci0:127:15:3(none32), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
55	pci0:127:15:4(none33), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
56	pci0:127:15:5(none34), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
57	pci0:127:16:0(none35), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
58	pci0:127:16:1(none36), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
59	pci0:127:16:2(none37), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
60	pci0:127:16:3(none38), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
61	pci0:127:16:4(none39), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
62	pci0:127:16:5(none40), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
63	pci0:127:16:6(none41), class=base peripheral, vendor='Intel Corporation', device='
64	pci0:127:16:7(none42), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
65	pci0:127:19:0(none43), class=base peripheral, vendor='Intel Corporation', device='Ivytown R2PCIe'
66	pci0:127:19:1(none44), class=dasp, vendor='Intel Corporation', device='Ivytown PCI Express Ring Performance Monitoring'
67	pci0:127:19:4(none45), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Ring Registers'
68	pci0:127:19:5(none46), class=dasp, vendor='Intel Corporation', device='Ivytown QPI Ring Performance Ring Monitoring'
69	pci0:127:22:0(none47), class=base peripheral, vendor='Intel Corporation', device='Ivytown System Address Decoder'
70	pci0:127:22:1(none48), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
71	pci0:127:22:2(none49), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
72	pci0:128:0:0(pcib11), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port in DMI2 Mode'
73	pci0:128:2:0(pcib12), class=PCI-PCI, vendor='Intel Corporation', device='Ivytown PCI Express Root Port 2a'
74	pci0:128:4:0(none50), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 0'
75	pci0:128:4:1(none51), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 1'
76	pci0:128:4:2(none52), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 2'
77	pci0:128:4:3(none53), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 3'
78	pci0:128:4:4(none54), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 4'
79	pci0:128:4:5(none55), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 5'
80	pci0:128:4:6(none56), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 6'
81	pci0:128:4:7(none57), class=base peripheral, vendor='Intel Corporation', device='Ivytown Crystal Beach DMA Channel 7'
82	pci0:128:5:0(none58), class=base peripheral, vendor='Intel Corporation', device='Ivytown VTd/Memory Map/Misc'
83	pci0:128:5:2(none59), class=base peripheral, vendor='Intel Corporation', device='Ivytown IIO RAS'
84	pci0:128:5:4(ioapic1), class=interrupt controller, vendor='Intel Corporation', device='Ivytown IOAPIC'
85	pci0:255:8:0(none60), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 0'
86	pci0:255:9:0(none61), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Link 1'
87	pci0:255:10:0(none62), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 0'
88	pci0:255:10:1(none63), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 1'
89	pci0:255:10:2(none64), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 2'
90	pci0:255:10:3(none65), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 3'
91	pci0:255:10:4(none66), class=base peripheral, vendor='Intel Corporation', device='Ivytown Power Control Unit 4'

92	pci0:255:11:0(none67), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
93	pci0:255:11:3(none68), class=base peripheral, vendor='Intel Corporation', device='Ivytown Semaphore and Scratchpad Configuration Registers'
94	pci0:255:12:0(none69), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
95	pci0:255:12:1(none70), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
96	pci0:255:13:0(none71), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
97	pci0:255:13:1(none72), class=base peripheral, vendor='Intel Corporation', device='Ivytown Unicast Registers'
98	pci0:255:14:0(none73), class=base peripheral, vendor='Intel Corporation', device='Ivytown Home Agent 0'
99	pci0:255:14:1(none74), class=dasp, vendor='Intel Corporation', device='Ivytown Home Agent 0'
100	pci0:255:15:0(none75), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
101	pci0:255:15:1(none76), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 RAS Registers'
102	pci0:255:15:2(none77), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
103	pci0:255:15:3(none78), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
104	pci0:255:15:4(none79), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
105	pci0:255:15:5(none80), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
106	pci0:255:16:0(none81), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
107	pci0:255:16:1(none82), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
108	pci0:255:16:2(none83), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
109	pci0:255:16:3(none84), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
110	pci0:255:16:4(none85), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
111	pci0:255:16:5(none86), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
112	pci0:255:16:6(none87), class=base peripheral, vendor='Intel Corporation', device=
113	pci0:255:16:7(none88), class=base peripheral, vendor='Intel Corporation', device='Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
114	pci0:255:19:0(none89), class=base peripheral, vendor='Intel Corporation', device='Ivytown R2PCIe'
115	pci0:255:19:1(none90), class=dasp, vendor='Intel Corporation', device='Ivytown PCI Express Ring Performance Monitoring'
116	pci0:255:19:4(none91), class=base peripheral, vendor='Intel Corporation', device='Ivytown QPI Ring Registers'
117	pci0:255:19:5(none92), class=dasp, vendor='Intel Corporation', device='Ivytown QPI Ring Performance Ring Monitoring'
118	pci0:255:22:0(none93), class=base peripheral, vendor='Intel Corporation', device='Ivytown System Address Decoder'
119	pci0:255:22:1(none94), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'
120	pci0:255:22:2(none95), class=base peripheral, vendor='Intel Corporation', device='Ivytown Broadcast Registers'

動作検証レポート 詳細データ

カーネル環境変数データ詳細一覧

```
LINES="24"
bootfile="kernel"
comconsole_pcidv=""
comconsole_port="1016"
comconsole_speed="9600"
console="vidconsole"
currdev="disk0p2:"
hint.acpi.0.oem="ALASKA"
hint.acpi.0.revision="2"
hint.acpi.0.rsdp="0x000f0490"
hint.acpi.0.rsdt="0x7c98d028"
hint.acpi.0.xsdt="0x000000007c98d080"
hint.acpi.0.xsdt_length="36"
hint.atkbd.0.at="atkbd"
hint.atkbd.0.irq="1"
hint.atkbd.0.at="isa"
hint.atkbd.0.port="0x0060"
hint.atrtc.0.at="isa"
hint.atrtc.0.irq="8"
hint.atrtc.0.port="0x70"
hint.attimer.0.at="isa"
hint.attimer.0.irq="0"
hint.attimer.0.port="0x40"
hint.fd.0.at="fdc0"
hint.fd.0.drive="0"
hint.fd.1.at="fdc0"
hint.fd.1.drive="1"
hint.fdc.0.at="isa"
hint.fdc.0.drq="2"
hint.fdc.0.irq="6"
hint.fdc.0.port="0x3f0"
hint.ppc.0.at="isa"
hint.ppc.0.irq="7"
hint.psm.0.at="atkbd"
hint.psm.0.irq="12"
hint.sc.0.at="isa"
hint.sc.0.flags="0x100"
hint.uart.0.at="isa"
hint.uart.0.flags="0x10"
hint.uart.0.irq="4"
hint.uart.0.port="0x3f8"
hint.uart.1.at="isa"
hint.uart.1.irq="3"
hint.uart.1.port="0x2f8"
hint.wbwd.0.at="isa"
hw.uart.console="io:1016,br:9600"
interpret="OK"
kernel="kernel"
kernel_options=""
kernelname="/boot/kernel/kernel"
loaddev="disk0p2:"
loader_conf_files="/boot/device.hints /boot/loader.conf /boot/loader.conf.local"
mac_iff="NO"
module_path="/boot/kernel;/boot/modules"
smbios.bios.reldate="08/08/2013"
smbios.bios.vendor="American Megatrends Inc."
smbios.bios.version="4.6.0005"
smbios.chassis maker="NEC"
smbios.chassis.serial="01"
smbios.chassis.tag="_____ "
smbios.chassis.version="856-857570-001"
smbios.memory.enabled="16777216"
smbios.planar maker="MICRO-STAR"
smbios.planar.product="MS-S0821"
smbios.planar.serial="D816814337"
smbios.planar.version="S10"
smbios.socket.enabled="2"
smbios.socket.populated="2"
smbios.system maker="NEC"
smbios.system.product="Express5800/R120e-1M [N8100-2056Y]"
smbios.system.serial="3X00105"
smbios.system.uuid="00d2784b-7235-e311-8001-d43d7e785977"
smbios.system.version="FR1.1"
smbios.version="2.7"
vfs.root.mountfrom="ufs:/dev/mfid0p2"
vfs.root.mountfrom.options="rw"
```

カーネルステートデータ詳細一覧

```
kern.ostype: FreeBSD
kern.osrelease: 10.0-RELEASE
kern.osrevision: 199506
kern.version: FreeBSD 10.0-RELEASE #0 r260789: Thu Jan 16 22:34:59 UTC 2014
root@snap.freebsd.org:/usr/obj/usr/src/sys/GENERIC
kern.maxvnodes: 348822
kern.maxproc: 21700
kern.maxfiles: 521811
kern.argmax: 262144
kern.securelevel: -1
kern.hostname: r120e1m.bsdconsulting.co.jp
kern.hostid: 2611048955
kern.clockrate: { hz = 1000, tick = 1000, profhz = 8128, stathz = 127 }
kern.posix1version: 200112
kern.ngroups: 1023
kern.job_control: 1
kern.saved_ids: 0
kern.boottime: { sec = 1394557696, usec = 845663 } Tue Mar 11 17:08:16 2014
kern.domainname:
kern.osreldate: 1000510
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 469629
kern.maxprocurid: 19530
kern.ipc.maxsockbuf: 2097152
kern.ipc.sockbuf_waste_factor: 8
kern.ipc.max_linkhdr: 16
kern.ipc.max_protohdr: 60
kern.ipc.max_hdr: 76
kern.ipc.max_datalen: 92
kern.ipc.maxmbufmem: 8303218688
kern.ipc.nmbclusters: 1013576
kern.ipc.nmbjumbo9: 506788
kern.ipc.nmbjumbo16: 450477
kern.ipc.nmbufs: 6486900
kern.ipc.maxpipekva: 267165696
kern.ipc.pipekva: 0
kern.ipc.piperefragretry: 0
kern.ipc.pipellocfail: 0
kern.ipc.piperesizefail: 0
kern.ipc.piperesizeallowed: 1
kern.ipc.msgmax: 16384
kern.ipc.msgmni: 40
kern.ipc.msgmnb: 2048
kern.ipc.msgtql: 40
kern.ipc.msgssz: 8
kern.ipc.msgseg: 2048
kern.ipc.semni: 50
kern.ipc.semns: 340
kern.ipc.semnu: 150
kern.ipc.semmsl: 340
kern.ipc.semopm: 100
kern.ipc.semume: 50
kern.ipc.semusz: 632
kern.ipc.semvmx: 32767
kern.ipc.semaem: 16384
kern.ipc.shmmax: 536870912
kern.ipc.shmin: 1
kern.ipc.shmni: 192
kern.ipc.shmseg: 128
kern.ipc.shmall: 131072
kern.ipc.shm_use_phys: 0
kern.ipc.shm_allow_removed: 0
kern.ipc.soacceptqueue: 128
kern.ipc.numopensockets: 12
kern.ipc.maxsockets: 521815
kern.ipc.sendfile.readahead: 1
kern.dummy: 0
kern.ps_strings: 140737488351200
kern.usrstack: 140737488351232
kern.logsigexit: 1
kern.iov_max: 1024
kern.hostuid: 00d2784b-7235-e311-8001-d43d7e785977
kern.cam.sort_io_queues: 1
kern.cam.boot_delay: 0
kern.cam.dflags: 0
kern.cam.debug_delay: 0
kern.cam.pmp.retry_count: 1
kern.cam.pmp.default_timeout: 30
kern.cam.pmp.hide_special: 1
kern.cam.cam_srch_hi: 0
kern.cam.scsi_delay: 5000
kern.cam.cd.changer.min_busy_seconds: 5
kern.cam.cd.changer.max_busy_seconds: 15
kern.cam.cd.poll_period: 3
kern.cam.cd.retry_count: 4
kern.cam.cd.timeout: 30000
kern.cam.ada.legacy_aliases: 1
kern.cam.ada.retry_count: 4
kern.cam.ada.default_timeout: 30
kern.cam.ada.send_ordered: 1
kern.cam.ada.spindown_shutdown: 1
```

```

kern.cam.ada.spindown_suspend: 1
kern.cam.ada.read_ahead: 1
kern.cam.ada.write_cache: 1
kern.cam.da.poll_period: 3
kern.cam.da.retry_count: 4
kern.cam.da.default_timeout: 60
kern.cam.da.send_ordered: 1
kern.cam.da.0.delete_method: NONE
kern.cam.da.0.delete_max: 65536
kern.cam.da.0.minimum_cmd_size: 10
kern.cam.da.0.sort_io_queue: -1
kern.cam.da.0.error_inject: 0
kern.cam.enc.emulate_array_devices: 1
kern.random.adaptors: yarrow,dummy
kern.random.active_adaptor: yarrow
kern.random.live_entropy_sources: Hardware, Intel IvyBridge+ RNG
kern.random.yarrow.gengateinterval: 10
kern.random.yarrow.bins: 10
kern.random.yarrow.fastthresh: 96
kern.random.yarrow.slowthresh: 128
kern.random.yarrow.slowoverthresh: 2
kern.random.sys.seeded: 1
kern.random.sys.harvest.ethernet: 1
kern.random.sys.harvest.point_to_point: 1
kern.random.sys.harvest.interrupt: 1
kern.random.sys.harvest.swi: 1
kern.disks: da0 mfid0
kern.geom.dev.delete_max_sectors: 262144
kern.geom.disk.mfid0.led:
kern.geom.disk.da0.led:
kern.geom.transient_maps: 1530
kern.geom.transient_map_retries: 10
kern.geom.transient_map_hard_failures: 0
kern.geom.transient_map_soft_failures: 0
kern.geom.inflight_transient_maps: 0
kern.geom.confxml: <mesh>
<class id="0xffffffff813dc050">
  <name>FD</name>
</class>
<class id="0xffffffff8137f068">
  <name>RAID</name>
</class>
<class id="0xffffffff8137e1a8">
  <name>PART</name>
  <geom id="0xfffff800073d2e00">
    <class ref="0xffffffff8137e1a8"/>
    <name>mfid0</name>
    <rank>2</rank>
    <config>
      <scheme>GPT</scheme>
      <entries>128</entries>
      <first>34</first>
      <last>285081566</last>
      <fwsectors>63</fwsectors>
      <fwheads>255</fwheads>
      <state>OK</state>
      <modified>false</modified>
    </config>
  <consumer id="0xfffff8000ac51000">
    <geom ref="0xfffff800073d2e00"/>
    <provider ref="0xfffff8000aaebd00"/>
    <mode>r2w2e3</mode>
    <config>
    </config>
  </consumer>
  <provider id="0xfffff8000aaeb400">
    <geom ref="0xfffff800073d2e00"/>
    <mode>r1w1e0</mode>
    <name>mfid0p3</name>
    <mediasize>4227823616</mediasize>
    <sectorsize>512</sectorsize>
    <stripesize>0</stripesize>
    <stripeoffset>17408</stripeoffset>
    <config>
      <start>276824098</start>
      <end>285081565</end>
      <index>3</index>
      <type>freebsd-swap</type>
      <offsets>141733938176</offsets>
      <length>4227823616</length>
      <label></label>
      <rawtype>516e7cb5-6ecf-11d6-8ff8-00022d09712b</rawtype>
      <rawuid>ac1024b5-a93e-11e3-b223-00255cd4ec90</rawuid>
    </config>
  </provider>
  <provider id="0xfffff8000aaeb600">
    <geom ref="0xfffff800073d2e00"/>
    <mode>r1w1e1</mode>
    <name>mfid0p2</name>
    <mediasize>141733855232</mediasize>
    <sectorsize>512</sectorsize>
    <stripesize>0</stripesize>
    <stripeoffset>82944</stripeoffset>
    <config>
      <start>162</start>
      <end>276824097</end>
      <index>2</index>

```

```

<type>frebsd-ufs</type>
<offset>82944</offset>
<length>141733855232</length>
<label></label>
<rawtype>516e7cb6-6ecf-11d6-8ff8-00022d09712b</rawtype>
<rawuid>ac0c1f6e-a93e-11e3-b223-00255cd4ec90</rawuid>
</config>
</provider>
<provider id="0xfffff8000aaeb800">
<geom ref="0xfffff800073d2e00"/>
<mode>r0w0e0</mode>
<name>mfi0p1</name>
<mediasize>65536</mediasize>
<sectorsize>512</sectorsize>
<stripesize>0</stripesize>
<stripeoffset>17408</stripeoffset>
<config>
<start>34</start>
<end>161</end>
<index>1</index>
<type>frebsd-boot</type>
<offset>17408</offset>
<length>65536</length>
<label></label>
<rawtype>83bd6b9d-7f41-11dc-be0b-001560b84f0f</rawtype>
<rawuid>ac07c154-a93e-11e3-b223-00255cd4ec90</rawuid>
</config>
</provider>
</geom>
</class>
<class id="0xfffffff813c8bf8">
<name>SWAP</name>
<geom id="0xfffff8000ad84b00">
<class ref="0xfffffff813c8bf8"/>
<name>swap</name>
<rank>3</rank>
<consumer id="0xfffff8000ad20b80">
<geom ref="0xfffff8000ad84b00"/>
<provider ref="0xfffff8000aaeb400"/>
<mode>r1w1e0</mode>
</consumer>
</geom>
</class>
<class id="0xfffffff8137d1e8">
<name>VFS</name>
<geom id="0xfffff80011524400">
<class ref="0xfffffff8137d1e8"/>
<name>vfs.da0</name>
<rank>2</rank>
<consumer id="0xfffff8000ae85980">
<geom ref="0xfffff80011524400"/>
<provider ref="0xfffff8000ad62b00"/>
<mode>r1w1e1</mode>
</consumer>
</geom>
<geom id="0xfffff8000ad84e00">
<class ref="0xfffffff8137d1e8"/>
<name>vfs.mfi0p2</name>
<rank>3</rank>
<consumer id="0xfffff8000ad20f00">
<geom ref="0xfffff8000ad84e00"/>
<provider ref="0xfffff8000aaeb600"/>
<mode>r1w1e1</mode>
</consumer>
</geom>
</class>
<class id="0xfffffff81313080">
<name>MD</name>
</class>
<class id="0xfffffff8137ca80">
<name>DISK</name>
<geom id="0xfffff8000ad64800">
<class ref="0xfffffff8137ca80"/>
<name>da0</name>
<rank>1</rank>
<config>
</config>
</provider id="0xfffff8000ad62b00">
<geom ref="0xfffff8000ad64800"/>
<mode>r1w1e1</mode>
<name>da0</name>
<mediasize>32717537280</mediasize>
<sectorsize>512</sectorsize>
<stripesize>0</stripesize>
<stripeoffset>0</stripeoffset>
<config>
<fwheads>255</fwheads>
<fwsectors>63</fwsectors>
<ident>1205010002800314</ident>
<descr>UFD 2.0 Silicon-Power32G</descr>
</config>
</provider>
</geom>
<geom id="0xfffff8000aaebe00">
<class ref="0xfffffff8137ca80"/>
<name>mfi0</name>
<rank>1</rank>

```



```

<config>
</config>
<provider id="0xffff8000aaebd00">
  <geom ref="0xffff8000aaeb00"/>
  <mode>r2w2e3</mode>
  <name>mfid0</name>
  <mediasize>145961779200</mediasize>
  <sectorsize>512</sectorsize>
  <stripesize>0</stripesize>
  <stripeoffset>0</stripeoffset>
  <config>
    <fwheads>255</fwheads>
    <fwsectors>63</fwsectors>
    <ident></ident>
    <descr></descr>
  </config>
</provider>
</geom>
</class>
<class id="0xffffffff8137c7b8">
  <name>DEV</name>
  <geom id="0xffff80011530a00">
    <class ref="0xffffffff8137c7b8"/>
    <name>da0</name>
    <rank>2</rank>
    <consumer id="0xffff8000ad21180">
      <geom ref="0xffff80011530a00"/>
      <provider ref="0xffff8000ad62b00"/>
      <mode>r0w0e0</mode>
    </consumer>
  </geom>
  <geom id="0xffff8000aaeb300">
    <class ref="0xffffffff8137c7b8"/>
    <name>gptid/ac07c154-a93e-11e3-b223-00255cd4ec90</name>
    <rank>4</rank>
    <consumer id="0xffff8000ad21500">
      <geom ref="0xffff8000aaeb300"/>
      <provider ref="0xffff800098be00"/>
      <mode>r0w0e0</mode>
    </consumer>
  </geom>
  <geom id="0xffff8000aaeb500">
    <class ref="0xffffffff8137c7b8"/>
    <name>mfid0p3</name>
    <rank>3</rank>
    <consumer id="0xffff8000ab83a80">
      <geom ref="0xffff8000aaeb500"/>
      <provider ref="0xffff8000aaeb400"/>
      <mode>r0w0e0</mode>
    </consumer>
  </geom>
  <geom id="0xffff8000aaeb700">
    <class ref="0xffffffff8137c7b8"/>
    <name>mfid0p2</name>
    <rank>3</rank>
    <consumer id="0xffff8000ab83b80">
      <geom ref="0xffff8000aaeb700"/>
      <provider ref="0xffff8000aaeb600"/>
      <mode>r0w0e0</mode>
    </consumer>
  </geom>
  <geom id="0xffff8000aaebc00">
    <class ref="0xffffffff8137c7b8"/>
    <name>mfid0p1</name>
    <rank>3</rank>
    <consumer id="0xffff8000ab83c00">
      <geom ref="0xffff8000aaebc00"/>
      <provider ref="0xffff8000aaeb800"/>
      <mode>r0w0e0</mode>
    </consumer>
  </geom>
  <geom id="0xffff8000aaeb200">
    <class ref="0xffffffff8137c7b8"/>
    <name>mfid0</name>
    <rank>2</rank>
    <consumer id="0xffff8000ab83c80">
      <geom ref="0xffff8000aaeb200"/>
      <provider ref="0xffff8000aaebd00"/>
      <mode>r0w0e0</mode>
    </consumer>
  </geom>
</class>
<class id="0xffffffff8137d3c8">
  <name>LABEL</name>
  <geom id="0xffff8000aaeb000">
    <class ref="0xffffffff8137d3c8"/>
    <name>mfid0p1</name>
    <rank>3</rank>
    <config>
    </config>
    <consumer id="0xffff8000ab83b00">
      <geom ref="0xffff8000aaeb000"/>
      <provider ref="0xffff8000aaeb800"/>
      <mode>r0w0e0</mode>
    </consumer>
  </geom>
  <config>
  </config>
</consumer>

```

```

<provider id="0xffff8000998be00">
  <geom ref="0xffff8000a0e000"/>
  <mode>r0w0e0</mode>
  <name>gptid/ac07c154-a93e-11e3-b223-00255cd4ec90</name>
  <mediasize>65536</mediasize>
  <sectorsize>512</sectorsize>
  <stripesize>0</stripesize>
  <stripeoffset>17408</stripeoffset>
  <config>
    <index>0</index>
    <length>65536</length>
    <seclength>128</seclength>
    <offset>0</offset>
    <secoffset>0</secoffset>
  </config>
</provider>
</geom>
</class>
</mesh>
kern.geom.confdot: digraph geom {
z0xffff800073d2e00 [shape=box, label="PART\nmfid0\nnr#2"];
z0xffff8000ac51000 [label="r2w2e3"];
z0xffff8000ac51000 -> z0xffff8000a0e000;
z0xffff800073d2e00 -> z0xffff8000ac51000;
z0xffff8000a0e000 [shape=hexagon, label="mfid0p3\nr1w1e0\nnr#0"];
z0xffff8000a0e000 -> z0xffff800073d2e00;
z0xffff8000a0e000 [shape=hexagon, label="mfid0p2\nr1w1e1\nnr#0"];
z0xffff8000a0e000 -> z0xffff800073d2e00;
z0xffff8000a0e000 [shape=hexagon, label="mfid0p1\nr0w0e0\nnr#0"];
z0xffff8000a0e000 -> z0xffff800073d2e00;
z0xffff8000ad84b00 [shape=box, label="SWAP\nswap\nnr#3"];
z0xffff8000ad20b80 [label="r1w1e0"];
z0xffff8000ad20b80 -> z0xffff8000a0e000;
z0xffff8000ad84b00 -> z0xffff8000ad20b80;
z0xffff800011524400 [shape=box, label="VFS\nvfs.da0\nnr#2"];
z0xffff8000ae85980 [label="r1w1e1"];
z0xffff8000ae85980 -> z0xffff8000ad62b00;
z0xffff800011524400 -> z0xffff8000ae85980;
z0xffff8000ad84e00 [shape=box, label="VFS\nvfs.mfid0p2\nnr#3"];
z0xffff8000ad20f00 [label="r1w1e1"];
z0xffff8000ad20f00 -> z0xffff8000a0e000;
z0xffff8000ad84e00 -> z0xffff8000ad20f00;
z0xffff8000ad64800 [shape=box, label="DISK\nda0\nnr#1"];
z0xffff8000ad62b00 [shape=hexagon, label="da0\nr1w1e1\nnr#0"];
z0xffff8000ad62b00 -> z0xffff8000ad64800;
z0xffff8000a0e000 [shape=box, label="DISK\nmfid0\nnr#1"];
z0xffff8000a0e000 [shape=hexagon, label="mfid0\nnr2w2e3\nnr#0"];
z0xffff8000a0e000 -> z0xffff8000a0e000;
z0xffff800011530a00 [shape=box, label="DEV\nda0\nnr#2"];
z0xffff8000ad21180 [label="r0w0e0"];
z0xffff8000ad21180 -> z0xffff8000ad62b00;
z0xffff800011530a00 -> z0xffff8000ad21180;
z0xffff8000a0e000 [shape=box, label="DEV\ngptid/ac07c154-a93e-11e3-b223-00255cd4ec90\nnr#4"];
z0xffff8000ad21500 [label="r0w0e0"];
z0xffff8000ad21500 -> z0xffff8000998be00;
z0xffff8000a0e000 -> z0xffff8000ad21500;
z0xffff8000a0e000 [shape=box, label="DEV\nmfid0p3\nnr#3"];
z0xffff8000ab83a80 [label="r0w0e0"];
z0xffff8000ab83a80 -> z0xffff8000a0e000;
z0xffff8000a0e000 [shape=box, label="DEV\nmfid0p2\nnr#3"];
z0xffff8000ab83b80 [label="r0w0e0"];
z0xffff8000ab83b80 -> z0xffff8000a0e000;
z0xffff8000a0e000 [shape=box, label="DEV\nmfid0p1\nnr#3"];
z0xffff8000ab83c00 [label="r0w0e0"];
z0xffff8000ab83c00 -> z0xffff8000a0e000;
z0xffff8000a0e000 [shape=box, label="LABEL\nmfid0p1\nnr#3"];
z0xffff8000ab83b00 [label="r0w0e0"];
z0xffff8000ab83b00 -> z0xffff8000a0e000;
z0xffff8000998be00 [shape=hexagon, label="gptid/ac07c154-a93e-11e3-b223-00255cd4ec90\nnr0w0e0\nnr#0"];
z0xffff8000998be00 -> z0xffff8000a0e000;
}
kern.geom.confxt: 0 DISK da0 32717537280 512 hd 255 sc 63
0 DISK mfid0 145961779200 512 hd 255 sc 63
1 PART mfid0p3 4227823616 512 i 3 o 141733938176 ty freebsd-swap xs GPT xt 516e7cb5-6ecf-11d6-8ff8-00022d09712b
1 PART mfid0p2 141733855232 512 i 2 o 82944 ty freebsd-ufs xs GPT xt 516e7cb6-6ecf-11d6-8ff8-00022d09712b
1 PART mfid0p1 65536 512 i 1 o 17408 ty freebsd-boot xs GPT xt 83bd6b9d-7f41-11dc-be0b-001560b84f0f
2 LABEL gptid/ac07c154-a93e-11e3-b223-00255cd4ec90 65536 512 i 0 o 0
kern.geom.debugflags: 0
kern.geom.notaste: 0
kern.geom.collectstats: 1
kern.geom.label.debug: 0
kern.geom.label.ext2fs.enable: 1
kern.geom.label.iso9660.enable: 1
kern.geom.label.msdosfs.enable: 1
kern.geom.label.ntfs.enable: 1
kern.geom.label.reiserfs.enable: 1
kern.geom.label.ufsid.enable: 1
kern.geom.label.ufs.enable: 1
kern.geom.label.gpt.enable: 1

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```

kern.geom.label.gptid.enable: 1
kern.geom.label.disk_ident.enable: 1
kern.geom.part.check_integrity: 1
kern.geom.raid.enable: 1
kern.geom.raid.aggressive_spare: 0
kern.geom.raid.debug: 0
kern.geom.raid.read_err_thresh: 10
kern.geom.raid.start_timeout: 30
kern.geom.raid.clean_time: 5
kern.geom.raid.disconnect_on_failure: 1
kern.geom.raid.name_format: 0
kern.geom.raid.idle_threshold: 1000000
kern.geom.raid.legacy_aliases: 1
kern.geom.raid.ddf.enable: 1
kern.geom.raid.intel.enable: 1
kern.geom.raid.jmicron.enable: 1
kern.geom.raid.nvidia.enable: 1
kern.geom.raid.promise.enable: 1
kern.geom.raid.sii.enable: 1
kern.geom.raid.concat.enable: 1
kern.geom.raid.raid0.enable: 1
kern.geom.raid.raid1.rebuild_slab_size: 1048576
kern.geom.raid.raid1.rebuild_fair_io: 20
kern.geom.raid.raid1.rebuild_cluster_idle: 100
kern.geom.raid.raid1.rebuild_meta_update: 1024
kern.geom.raid.raid1.enable: 1
kern.geom.raid.raidie.rebuild_slab_size: 1048576
kern.geom.raid.raidie.rebuild_fair_io: 20
kern.geom.raid.raidie.rebuild_cluster_idle: 100
kern.geom.raid.raidie.rebuild_meta_update: 1024
kern.geom.raid.raidie.enable: 1
kern.geom.raid.raid5.enable: 1
kern.elf64.fallback_brand: -1
kern.elf64.nxstack: 1
kern.elf32.fallback_brand: -1
kern.elf32.nxstack: 1
kern.elf32.read_exec: 0
kern.init_path: /sbin/init:/sbin/oinit:/sbin/init.bak:/rescue/init
kern.init_shutdown_timeout: 120
kern.acct_suspend: 2
kern.acct_resume: 4
kern.acct_chkfreq: 15
kern.acct_configured: 0
kern.acct_suspended: 0
kern.cp_time: 310 0 1005 76 166863
kern.cp_times: 85 0 566 31 20809 28 0 68 5 20865 11 0 63 2 20890 22 0 55 0 20890 40 0 59 2 20865 51 0 84 14 20817 19 0 67 7 20873 54 0 43 15 20854
kern.console: ttyv0,/ttyv0,uart,
kern.consmute: 0
kern.consmgbuf_size: 8192
kern.constty_wakeups_per_second: 5
kern.openfiles: 53
kern.eventtimer.et.LAPIC.flags: 7
kern.eventtimer.et.LAPIC.frequency: 50001015
kern.eventtimer.et.LAPIC.quality: 600
kern.eventtimer.et.i8254.flags: 1
kern.eventtimer.et.i8254.frequency: 1193182
kern.eventtimer.et.i8254.quality: 100
kern.eventtimer.et.RTC.flags: 17
kern.eventtimer.et.RTC.frequency: 32768
kern.eventtimer.et.RTC.quality: 0
kern.eventtimer.et.HPET.flags: 7
kern.eventtimer.et.HPET.frequency: 14318180
kern.eventtimer.et.HPET.quality: 550
kern.eventtimer.choice: LAPIC(600) HPET(550) i8254(100) RTC(0)
kern.eventtimer.singlemul: 2
kern.eventtimer.idletick: 0
kern.eventtimer.timer: LAPIC
kern.eventtimer.periodic: 0
kern.kq_calloutmax: 4096
kern.stackprot: 7
kern.ps_arg_cache_limit: 256
kern.disallow_high_osrel: 0
kern.lastpid: 2052
kern.randompid: 0
kern.ktrace.gentio_size: 4096
kern.ktrace.request_pool: 100
kern.module_path: /boot/kernel;/boot/modules
kern.malloc_count: 342
kern.ident: GENERIC
kern.compiler_version: FreeBSD clang version 3.3 (tags/RELEASE_33/final 183502) 20130610
kern.maxusers: 1355
kern.supported_archs: amd64 i386
kern.confxt: options CONFIG_AUTOGENERATED
ident GENERIC
machine amd64
cpu HAMMER
makeoptions WITH_CTF=1
makeoptions DEBUG=-g
options XENHVM
options USB_DEBUG
options ATH_ENABLE_11N
options AH_ARS416_INTERRUPT_MITIGATION
options AH_SUPPORT_ARS416
options IEEE80211_SUPPORT_MESH
options IEEE80211_AMPDU_AGE
options IEEE80211_DEBUG
options SC_PIXEL_MODE

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```

options VESA
options AHD_REG_PRETTY_PRINT
options AHC_REG_PRETTY_PRINT
options ATA_STATIC_ID
options SMP
options KDB_TRACE
options KDB
options INCLUDE_CONFIG_FILE
options DDB_CTF
options KDTRACE_HOOKS
options KDTRACE_FRAME
options MAC
options PROCDESC
options CAPABILITIES
options CAPABILITY_MODE
options AUDIT
options HWPMC_HOOKS
options KBD_INSTALL_CDEV
options PRINTF_BUF_SIZE=128
options _KPOSIX_PRIORITY_SCHEDULING
options SYSVSEM
options SYSVMSG
options SYSVSHM
options STACK
options KTRACE
options SCSI_DELAY=5000
options COMPAT_FREEBSD7
options COMPAT_FREEBSD6
options COMPAT_FREEBSD5
options COMPAT_FREEBSD4
options COMPAT_FREEBSD32
options GEOM_LABEL
options GEOM_RAID
options GEOM_PART_GPT
options PSEUDOSFS
options PROCFS
options CD9660
options MSDOSFS
options NFS_ROOT
options NFSLOCKD
options NFSD
options NFSCL
options MD_ROOT
options QUOTA
options UFS_GJOURNAL
options UFS_DIRHASH
options UFS_ACL
options SOFTUPDATES
options FFS
options SCTP
options TCP_OFFLOAD
options INET6
options INET
options PREEMPTION
options SCHED_ULE
options NEW_PCIB
options GEOM_PART_MBR
options GEOM_PART_EBR_COMPAT
options GEOM_PART_EBR
options GEOM_PART_BSD
device isa
device mem
device io
device uart_ns8250
device cpufreq
device acpi
device pci
device fdc
device ahci
device ata
device mvs
device siis
device ahc
device ahd
device esp
device hptiop
device isp
device mpt
device mps
device sym
device trm
device adv
device adw
device aic
device bt
device isci
device scbus
device ch
device da
device sa
device cd
device pass
device ses
device amr
device arcmsr
device ci55
device dpt

```

device hptmv
device hptnr
device hptrr
device hpt27xx
device iir
device ips
device mly
device twa
device tws
device aac
device aacp
device aacraid
device ida
device mfi
device mlx
device twe
device atkbd
device atkbd
device psm
device kbdmux
device vga
device splash
device sc
device agp
device cbb
device pccard
device cardbus
device uart
device ppc
device ppbus
device lpt
device ppi
device puc
device bxe
device de
device em
device igb
device ixgbe
device le
device ti
device txp
device vx
device miibus
device ae
device age
device alc
device ale
device bce
device bfe
device bge
device cas
device dc
device et
device fxp
device gem
device hme
device jme
device lge
device msk
device nfe
device nge
device pcn
device re
device rl
device sf
device sge
device sis
device sk
device ste
device stge
device tl
device tx
device vge
device vr
device wb
device xl
device cs
device ed
device ex
device ep
device fe
device sn
device xe
device wlan
device wlan_wep
device wlan_ccmp
device wlan_tkip
device wlan_amrr
device an
device ath
device ath_pci
device ath_hal
device ath_rate_sample
device ipw
device iwi
device iwn
device malo

```
device mwl
device ral
device wi
device wpi
device loop
device random
device padlock_rng
device rdrand_rng
device ether
device vlan
device tun
device md
device gif
device faith
device firmware
device bpf
device uhci
device ohci
device ehci
device xhci
device usb
device ukbd
device umass
device sound
device snd_cmi
device snd_csa
device snd_emu10kx
device snd_es137x
device snd_hda
device snd_ich
device snd_via8233
device mmc
device mmcsd
device sdhci
device virtio
device virtio_pci
device vtnet
device virtio_blk
device virtio_scsi
device virtio_balloon
device hyperv
device xenpci
device vmx
kern.features.scbus: 1
kern.features.compat_freebsd_32bit: 1
kern.features.ata_cam: 1
kern.features.nfscl: 1
kern.features.nfsd: 1
kern.features.geom_label: 1
kern.features.geom_part_bsd: 1
kern.features.geom_part_ebr: 1
kern.features.geom_part_ebr_compat: 1
kern.features.geom_part_gpt: 1
kern.features.geom_part_mbr: 1
kern.features.kposix_priority_scheduling: 1
kern.features.kdtrace_hooks: 1
kern.features.ktrace: 1
kern.features.compat_freebsd4: 1
kern.features.compat_freebsd5: 1
kern.features.compat_freebsd6: 1
kern.features.compat_freebsd7: 1
kern.features.hwpmc_hooks: 1
kern.features.stack: 1
kern.features.security_capability_mode: 1
kern.features.security_capabilities: 1
kern.features.process_descriptors: 1
kern.features.sysv_msg: 1
kern.features.sysv_sem: 1
kern.features.sysv_shm: 1
kern.features.posix_shm: 1
kern.features.inet: 1
kern.features.inet6: 1
kern.features.audit: 1
kern.features.security_mac: 1
kern.features.ffs_snapshot: 1
kern.features.softupdates: 1
kern.features.ufs_acl: 1
kern.features.ufs_gjournal: 1
kern.features.ufs_quota: 1
kern.features.ufs_quota64: 1
kern.pid_max: 99999
kern.fallback_elf_brand: -1
kern.hwpmc.softevents: 16
kern.kstack_pages: 4
kern.sync_on_panic: 0
kern.shutdown.show_busybufs: 0
kern.shutdown.poweroff_delay: 5000
kern.shutdown.kproc_shutdown_wait: 60
kern.shutdown.dumpdevname: mfid0p3
kern.forcesigexit: 1
kern.sigqueue.max_pending_per_proc: 128
kern.sigqueue.preallocate: 1024
kern.sigqueue.overflow: 0
kern.sigqueue.alloc_fail: 0
kern.sugid_coredump: 0
kern.capmode_coredump: 0
kern.coredump: 1
```

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kern.nodump_coredump: 0
kern.corefile: %N.core
kern.fscale: 2048
kern.timecounter.tc.i8254.mask: 65535
kern.timecounter.tc.i8254.counter: 16776
kern.timecounter.tc.i8254.frequency: 1193182
kern.timecounter.tc.i8254.quality: 0
kern.timecounter.tc.HPET.mask: 4294967295
kern.timecounter.tc.HPET.counter: 2511480944
kern.timecounter.tc.HPET.frequency: 14318180
kern.timecounter.tc.HPET.quality: 950
kern.timecounter.tc.ACPI-fast.mask: 16777215
kern.timecounter.tc.ACPI-fast.counter: 16592992
kern.timecounter.tc.ACPI-fast.frequency: 3579545
kern.timecounter.tc.ACPI-fast.quality: 900
kern.timecounter.tc.TSC-low.mask: 4294967295
kern.timecounter.tc.TSC-low.counter: 905426363
kern.timecounter.tc.TSC-low.frequency: 1250025046
kern.timecounter.tc.TSC-low.quality: 1000
kern.timecounter.stepwarnings: 0
kern.timecounter.alloweddeviation: 5
kern.timecounter.hardware: TSC-low
kern.timecounter.choice: TSC-low(1000) ACPI-fast(900) HPET(950) i8254(0) dummy(-1000000)
kern.timecounter.tick: 1
kern.timecounter.fast_gettime: 1
kern.timecounter.invariant_tsc: 1
kern.timecounter.smp_tsc: 1
kern.timecounter.smp_tsc_adjust: 0
kern.timecounter.tsc_shift: 1
kern.threads.max_threads_per_proc: 1500
kern.threads.max_threads_hits: 0
kern.ncallout: 18508
kern.callout_stat: 0
kern.sched.cpusetsize: 8
kern.sched.preemption: 1
kern.sched.name: ULE
kern.sched.quantum: 94488
kern.sched.slice: 12
kern.sched.interact: 30
kern.sched.preempt_thresh: 80
kern.sched.static_boost: 152
kern.sched.idlespins: 10000
kern.sched.idlespinthresh: 157
kern.sched.affinity: 1
kern.sched.balance: 1
kern.sched.balance_interval: 127
kern.sched.steal_idle: 1
kern.sched.steal_thresh: 2
kern.sched.topology_spec: <groups>
<group level="1" cache-level="0">
  <cpu count="8" mask="ff">0, 1, 2, 3, 4, 5, 6, 7</cpu>
  <children>
    <group level="2" cache-level="2">
      <cpu count="4" mask="f">0, 1, 2, 3</cpu>
    </group>
    <group level="2" cache-level="2">
      <cpu count="4" mask="f0">4, 5, 6, 7</cpu>
    </group>
  </children>
</group>
</groups>
kern.ccpu: 0
kern.devstat.numdevs: 3
kern.devstat.generation: 415
kern.devstat.version: 6
kern.hintmode: 0
kern.kobj_methodcount: 227
kern.log_wakeups_per_second: 5
kern.msgbuf_show_timestamp: 0
kern.hz: 1000
kern.nbuf: 105026
kern.nswbuf: 256
kern.msbufsize: 98304
kern.maxswzone: 0
kern.maxbcache: 0
kern.bio_transient_maxcnt: 1024
kern.maxtsiz: 134217728
kern.dfltsiz: 34359738368
kern.maxdsiz: 34359738368
kern.dflssiz: 8388608
kern.maxssiz: 536870912
kern.sgrowsiz: 131072
kern.vm_guest: none
kern.log_console_output: 1
kern.log_console_add_linefeed: 0
kern.always_console_output: 0
kern.msgbuf:
kern.msgbuf_clear: 0
kern.smp.maxid: 7
kern.smp.maxcpus: 64
kern.smp.active: 1
kern.smp.disabled: 0
kern.smp.cpus: 8
kern.smp.topology: 0
kern.smp.forward_signal_enabled: 1
kern.tty_inq_flush_secure: 1
kern.tty_nin: 414

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kern.tty_nout: 33536
kern.filedelay: 30
kern.dirdelay: 29
kern.metadelay: 28
kern.minvnodes: 87205
kern.chroot_allow_open_directories: 1
vm.vmtotal:
System wide totals computed every five seconds: (values in kilobytes)
=====
Processes:          (RUNQ: 1 Disk Wait: 0 Page Wait: 0 Sleep: 19)
Virtual Memory:    (Total: 43392K Active: 422544K)
Real Memory:       (Total: 134608K Active: 25700K)
Shared Virtual Memory: (Total: 5324K Active: 5324K)
Shared Real Memory: (Total: 4972K Active: 4972K)
Free Memory:       15967084K
vm.loadavg: { 0.24 0.26 0.12 }
vm.v_free_min: 25599
vm.v_free_target: 86409
vm.v_free_reserved: 5329
vm.v_inactive_target: 129613
vm.v_cache_min: 0
vm.v_cache_max: 0
vm.v_pageout_free_min: 34
vm.swap_enabled: 1
vm.md_malloc_wait: 0
vm.kmem_size: 16606437376
vm.kmem_size_min: 0
vm.kmem_size_max: 1319413950874
vm.kmem_size_scale: 1
vm.kmem_map_size: 28762112
vm.kmem_map_free: 16577675264
vm.swap_total: 4227821568
vm.swap_reserved: 224206848
vm.overcommit: 0
vm.swap_async_max: 4
vm.dmmx: 32
vm.nswapdev: 1
vm.zone_count: 97
vm.zone_warnings: 1
vm.kstack_cache_size: 128
vm.kstacks: 123
vm.swap_idle_threshold1: 2
vm.swap_idle_threshold2: 10
vm.exec_map_entries: 16
vm.min_kernel_address: 18446741874686296064
vm.max_kernel_address: 18446744073709547520
vm.v_free_severe: 15464
vm.stats.sys.v_swch: 83057
vm.stats.sys.v_trap: 135611
vm.stats.sys.v_syscall: 184624
vm.stats.sys.v_intr: 6898
vm.stats.sys.v_soft: 6477
vm.stats.vm.v_vm_faults: 127974
vm.stats.vm.v_io_faults: 734
vm.stats.vm.v_cow_faults: 54882
vm.stats.vm.v_cow_optim: 374
vm.stats.vm.v_zfod: 53982
vm.stats.vm.v_ozfod: 0
vm.stats.vm.v_swapin: 0
vm.stats.vm.v_swapout: 0
vm.stats.vm.v_swappgsin: 0
vm.stats.vm.v_swappgsout: 0
vm.stats.vm.v_vnodein: 823
vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodepgsin: 7664
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_intrans: 1
vm.stats.vm.v_reactivated: 0
vm.stats.vm.v_pdwakeups: 0
vm.stats.vm.v_pdpages: 779
vm.stats.vm.v_tcached: 144
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_pfree: 81716
vm.stats.vm.v_tfree: 321188
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_page_count: 4054306
vm.stats.vm.v_free_reserved: 5329
vm.stats.vm.v_free_target: 86409
vm.stats.vm.v_free_min: 25599
vm.stats.vm.v_free_count: 3991626
vm.stats.vm.v_wire_count: 50980
vm.stats.vm.v_active_count: 3773
vm.stats.vm.v_inactive_target: 129613
vm.stats.vm.v_inactive_count: 7684
vm.stats.vm.v_cache_count: 144
vm.stats.vm.v_cache_min: 0
vm.stats.vm.v_cache_max: 0
vm.stats.vm.v_pageout_free_min: 34
vm.stats.vm.v_interrupt_free_min: 2
vm.stats.vm.v_forks: 1714
vm.stats.vm.v_vforks: 322
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_kthreads: 16
vm.stats.vm.v_forkpages: 61329
vm.stats.vm.v_vforkpages: 15093
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_kthreadpages: 0

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vm.stats.misc.zero_page_count: 36
vm.stats.misc.cnt_prezero: 0
vm.stats.object.collapses: 5281
vm.stats.object.bypasses: 588
vm.old_mlock: 0
vm.old_msync: 0
vm.boot_pages: 64
vm.tryrelock_restart: 0
vm.pageout_wakeup_thresh: 28149
vm.max_laundry: 32
vm.pageout_update_period: 600
vm.lowmem_period: 10
vm.swap_idle_enabled: 0
vm.defer_swapspace_pageouts: 0
vm.disable_swapspace_pageouts: 0
vm.pageout_lock_miss: 0
vm.max_wired: 1337410
vm.phys_free:
DOMAIN 0:
FREE LIST 0:
ORDER (SIZE) | NUMBER
              | POOL 0 | POOL 1 | POOL 2
--
12 ( 16384K) | 964 | 0 | 0
11 ( 8192K) | 1 | 1 | 0
10 ( 4096K) | 1 | 1 | 0
9 ( 2048K) | 0 | 0 | 0
8 ( 1024K) | 1 | 1 | 0
7 ( 512K) | 1 | 1 | 0
6 ( 256K) | 1 | 1 | 0
5 ( 128K) | 0 | 0 | 0
4 ( 64K) | 1 | 2 | 4
3 ( 32K) | 1 | 0 | 4
2 ( 16K) | 0 | 1 | 7
1 ( 8K) | 0 | 0 | 5
0 ( 4K) | 1 | 0 | 10
FREE LIST 1:
ORDER (SIZE) | NUMBER
              | POOL 0 | POOL 1 | POOL 2
--
12 ( 16384K) | 0 | 0 | 0
11 ( 8192K) | 0 | 0 | 0
10 ( 4096K) | 0 | 0 | 0
9 ( 2048K) | 0 | 0 | 0
8 ( 1024K) | 1 | 0 | 0
7 ( 512K) | 0 | 0 | 0
6 ( 256K) | 1 | 0 | 0
5 ( 128K) | 1 | 0 | 0
4 ( 64K) | 2 | 0 | 0
3 ( 32K) | 0 | 0 | 0
2 ( 16K) | 0 | 0 | 0
1 ( 8K) | 1 | 0 | 0
0 ( 4K) | 1 | 0 | 0
vm.phys_segs:
SEGMENT 0:
start: 0x10000
end: 0x99000
domain: 0
free list: 0xffffffff814842b8
SEGMENT 1:
start: 0x100000
end: 0x200000
domain: 0
free list: 0xffffffff814842b8
SEGMENT 2:
start: 0x1815000
end: 0x7c925000
domain: 0
free list: 0xffffffff81483f10
SEGMENT 3:
start: 0x100000000
end: 0x462a89000
domain: 0
free list: 0xffffffff81483f10
vm.ndomains: 1
vm.reserv.broken: 0
vm.reserv.freed: 7270
vm.reserv.partpopq:
LEVEL SIZE NUMBER
-1: 142376K, 87
vm.reserv.reclaimed: 0
vm.idlezero_enable: 0
vm.pmap.pat_works: 1
vm.pmap.pg_ps_enabled: 1
vm.pmap.pcid_enabled: 1
vm.pmap.invpaid_works: 0
vm.pmap.pcid_save_cnt: 20776
vm.pmap.pde.demotions: 137
vm.pmap.pde.mappings: 0
vm.pmap.pde.p_failures: 35
vm.pmap.pde.promotions: 176
vm.pmap.pdpe.demotions: 3
vm.kvm_size: 2199023251456
vm.kvm_free: 2180169854976
vfs.ufs.dirhash_minsize: 2560
vfs.ufs.dirhash_maxmem: 26877952
vfs.ufs.dirhash_mem: 63848

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vfs.ufs.dirhash_docheck: 0
vfs.ufs.dirhash_lowmemcount: 0
vfs.ufs.dirhash_reclaimage: 60
vfs.ufs.rename_restarts: 0
vfs.nfs.downdelayinitial: 12
vfs.nfs.downdelayinterval: 30
vfs.nfs.bufpackets: 4
vfs.nfs.reconnects: 0
vfs.nfs.nfs3_jukebox_delay: 10
vfs.nfs.skip_wcc_data_onerr: 1
vfs.nfs.realign_test: 0
vfs.nfs.realign_count: 0
vfs.nfs.callback_addr:
vfs.nfs.debuglevel: 0
vfs.nfs.access_cache_timeout: 60
vfs.nfs.prime_access_cache: 0
vfs.nfs.commit_on_close: 0
vfs.nfs.clean_pages_on_close: 1
vfs.nfs.nfs_directio_enable: 0
vfs.nfs.nfs_keep_dirty_on_error: 0
vfs.nfs.nfs_directio_allow_mmap: 1
vfs.nfs.nfs_ip_paranoid: 1
vfs.nfs.diskless_valid: 0
vfs.nfs.diskless_rootpath:
vfs.nfs.iodemaxidle: 120
vfs.nfs.iodemax: 0
vfs.nfs.iodemax: 20
vfs.nfs.defect: 0
vfs.devfs.generation: 214
vfs.devfs.rule_depth: 1
vfs.nfsd.disable_checkutf8: 0
vfs.nfsd.nfs_privport: 0
vfs.nfsd.server_min_nfsvers: 2
vfs.nfsd.server_max_nfsvers: 4
vfs.nfsd.async: 0
vfs.nfsd.mirrormnt: 1
vfs.nfsd.commit_blks: 0
vfs.nfsd.commit_miss: 0
vfs.nfsd.issue_delegations: 0
vfs.nfsd.enable_locallocks: 0
vfs.nfsd.tcphighwater: 0
vfs.nfsd.udphighwater: 500
vfs.nfsd.tcpcachetime: 43200
vfs.nfsd.cachetcp: 1
vfs.nfsd.minthreads: 1
vfs.nfsd.maxthreads: 1
vfs.nfsd.threads: 0
vfs.nfsd.request_space_used: 0
vfs.nfsd.request_space_used_highest: 0
vfs.nfsd.request_space_high: 47185920
vfs.nfsd.request_space_low: 31457280
vfs.nfsd.request_space_throttled: 0
vfs.nfsd.request_space_throttle_count: 0
vfs.nfsd.fha.enable: 1
vfs.nfsd.fha.bin_shift: 22
vfs.nfsd.fha.max_nfsds_per_fh: 8
vfs.nfsd.fha.max_reqs_per_nfsd: 0
vfs.nfsd.fha.fhe_stats: No file handle entries.
vfs.pfs.trace: 0
vfs.pfs.vncache.entries: 0
vfs.pfs.vncache.maxentries: 0
vfs.pfs.vncache.hits: 0
vfs.pfs.vncache.misses: 0
vfs.acl_nfs4_old_semantics: 0
vfs.vmodirenable: 1
vfs.runningbufspace: 0
vfs.bufspace: 29736960
vfs.unmapped_bufspace: 23396352
vfs.maxbufspace: 1720745984
vfs.bufmallocspace: 0
vfs.maxmallocbufspace: 86004531
vfs.lobufspace: 1720025088
vfs.hibufspace: 1720090624
vfs.bufreuscnt: 936
vfs.bufreekvacnt: 25
vfs.bufdefragcnt: 0
vfs.lorunningspace: 11206656
vfs.hirunningspace: 16777216
vfs.dirtybufferflushes: 0
vfs.bdwriteskip: 0
vfs.altbufferflushes: 0
vfs.recursiveflushes: 20
vfs.numdirtybuffers: 22
vfs.lodirtybuffers: 13138
vfs.hidirtybuffers: 26276
vfs.dirtybufthresh: 23648
vfs.numfreebuffers: 105004
vfs.lofreebuffers: 5839
vfs.hifreebuffers: 11678
vfs.getnewbufcalls: 966
vfs.getnewbufrestarts: 0
vfs.mappingrestarts: 0
vfs.flushbufqtarget: 100
vfs.notbufdflushes: 0
vfs.barrierwrites: 4
vfs.unmapped_buf_allowed: 1
vfs.flushwithdeps: 0

vfs.ncnegfactor: 16
vfs.ncsizefactor: 2
vfs.cache.numneg: 44
vfs.cache.numcache: 718
vfs.cache.numcalls: 129498
vfs.cache.dothits: 293
vfs.cache.dotdothits: 7843
vfs.cache.numchecks: 115667
vfs.cache.nummiss: 5669
vfs.cache.nummisszap: 32
vfs.cache.numposzaps: 37
vfs.cache.numposhits: 93058
vfs.cache.numnegzaps: 372
vfs.cache.numneghits: 22192
vfs.cache.numupgrades: 6
vfs.cache.numfullpathcalls: 45
vfs.cache.numfullpathfail1: 0
vfs.cache.numfullpathfail2: 0
vfs.cache.numfullpathfail4: 0
vfs.cache.numfullpathfound: 45
vfs.write_behind: 1
vfs.read_max: 64
vfs.read_min: 1
vfs.typenumhash: 1
vfs.lookup_shared: 1
vfs.usermount: 0
vfs.numvnodes: 955
vfs.wantfreevnodes: 87205
vfs.freevnodes: 31
vfs.vlru_allow_cache_src: 0
vfs.reassignbufcalls: 1432
vfs.timestamp_precision: 0
vfs.worklist_len: 8
vfs.ffi.doasyncfree: 1
vfs.ffi.dorealloblks: 1
vfs.ffi.compute_summary_at_mount: 0
net.local.stream.sendspace: 8192
net.local.stream.recvspace: 8192
net.local.dgram.maxdgram: 2048
net.local.dgram.recvspace: 4096
net.local.seqpacket.maxseqpacket: 8192
net.local.seqpacket.recvspace: 8192
net.local.inflight: 0
net.local.deferred: 0
net.local.recycled: 0
net.local.taskcount: 0
net.inet.ip.portrange.lowfirst: 1023
net.inet.ip.portrange.lowlast: 600
net.inet.ip.portrange.first: 10000
net.inet.ip.portrange.last: 65535
net.inet.ip.portrange.hifirst: 49152
net.inet.ip.portrange.hilast: 65535
net.inet.ip.portrange.reservedhigh: 1023
net.inet.ip.portrange.reservedlow: 0
net.inet.ip.portrange.randomized: 1
net.inet.ip.portrange.randomcps: 10
net.inet.ip.portrange.randomtime: 45
net.inet.ip.forwarding: 0
net.inet.ip.redirect: 1
net.inet.ip.ttl: 64
net.inet.ip.rtxpire: 3600
net.inet.ip.rtm_expire: 10
net.inet.ip.rtm_maxcache: 128
net.inet.ip.sourceroute: 0
net.inet.ip.intr_queue_maxlen: 256
net.inet.ip.intr_queue_drops: 0
net.inet.ip.accept_sourceroute: 0
net.inet.ip.keepfaith: 0
net.inet.ip.gifttl: 30
net.inet.ip.no_same_prefix: 0
net.inet.ip.random_id_period: 8192
net.inet.ip.random_id_collisions: 0
net.inet.ip.random_id_total: 0
net.inet.ip.mcast.maxgrpsrc: 512
net.inet.ip.mcast.maxsocksrc: 128
net.inet.ip.mcast.loop: 1
net.inet.ip.fastforwarding: 0
net.inet.ip.sendsourcequench: 0
net.inet.ip.random_id: 0
net.inet.ip.check_interface: 0
net.inet.ip.fragspackets: 0
net.inet.ip.maxfragsperpacket: 16
net.inet.ip.maxfragspackets: 31674
net.inet.ip.process_options: 1
net.inet.icmp.maskrepl: 0
net.inet.icmp.icmplim: 200
net.inet.icmp.icmplim_output: 1
net.inet.icmp.maskfake: 0
net.inet.icmp.log_redirect: 0
net.inet.icmp.reply_src: 0
net.inet.icmp.reply_from_interface: 0
net.inet.icmp.quotelen: 8
net.inet.icmp.bmcastecho: 0
net.inet.icmp.drop_redirect: 0
net.inet.igmp.recvifkludge: 1
net.inet.igmp.sendra: 1
net.inet.igmp.sendlocal: 1

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net.inet.igmp.v1enable: 1
net.inet.igmp.v2enable: 1
net.inet.igmp.legacysupp: 0
net.inet.igmp.default_version: 3
net.inet.igmp.gsrdelay: 10
net.inet.tcp.rfc1323: 1
net.inet.tcp.mssdf1t: 536
net.inet.tcp.keepidle: 720000
net.inet.tcp.keepintvl: 75000
net.inet.tcp.sendspace: 32768
net.inet.tcp.recvspace: 65536
net.inet.tcp.keepinit: 75000
net.inet.tcp.delacktime: 100
net.inet.tcp.v6mssdf1t: 1220
net.inet.tcp.cc.algorithm: newreno
net.inet.tcp.cc.available: newreno
net.inet.tcp.hostcache.cachelimit: 15360
net.inet.tcp.hostcache.hashsize: 512
net.inet.tcp.hostcache.bucketlimit: 30
net.inet.tcp.hostcache.count: 0
net.inet.tcp.hostcache.expire: 3600
net.inet.tcp.hostcache.prun: 300
net.inet.tcp.hostcache.purge: 0
net.inet.tcp.log_in_vain: 0
net.inet.tcp.blackhole: 0
net.inet.tcp.delayed_ack: 1
net.inet.tcp.drop_synfin: 0
net.inet.tcp.rfc3042: 1
net.inet.tcp.rfc3390: 1
net.inet.tcp.experimental.initcwnd10: 1
net.inet.tcp.rfc3465: 1
net.inet.tcp.abc_l_var: 2
net.inet.tcp.ecn.enable: 0
net.inet.tcp.ecn.maxretries: 1
net.inet.tcp.insecure_rst: 0
net.inet.tcp.recvbuf_auto: 1
net.inet.tcp.recvbuf_inc: 16384
net.inet.tcp.recvbuf_max: 2097152
net.inet.tcp.path_mtu_discovery: 1
net.inet.tcp.tso: 1
net.inet.tcp.sendbuf_auto: 1
net.inet.tcp.sendbuf_inc: 8192
net.inet.tcp.sendbuf_max: 2097152
net.inet.tcp.reass.maxsegments: 63400
net.inet.tcp.reass.cusegments: 0
net.inet.tcp.reass.overflow: 0
net.inet.tcp.sack.enable: 1
net.inet.tcp.sack.maxholes: 128
net.inet.tcp.sack.globalmaxholes: 65536
net.inet.tcp.sack.globalholes: 0
net.inet.tcp.minmss: 216
net.inet.tcp.log_debug: 0
net.inet.tcp.tcbhashsize: 131072
net.inet.tcp.do_tcpdrain: 1
net.inet.tcp.pcbcount: 3
net.inet.tcp.icmp_may_rst: 1
net.inet.tcp.isn_reseed_interval: 0
net.inet.tcp.soreceive_stream: 0
net.inet.tcp.synccookies: 1
net.inet.tcp.synccookies_only: 0
net.inet.tcp.syncache.bucketlimit: 30
net.inet.tcp.syncache.cachelimit: 15375
net.inet.tcp.syncache.count: 0
net.inet.tcp.syncache.hashsize: 512
net.inet.tcp.syncache.rxtmlimit: 3
net.inet.tcp.syncache.rst_on_sock_fail: 1
net.inet.tcp.msl: 30000
net.inet.tcp.rexmit_min: 30
net.inet.tcp.rexmit_slop: 200
net.inet.tcp.always_keepalive: 1
net.inet.tcp.fast_finwait2_recycle: 0
net.inet.tcp.finwait2_timeout: 60000
net.inet.tcp.keepcnt: 8
net.inet.tcp.rexmit_drop_options: 0
net.inet.tcp.per_cpu_timers: 0
net.inet.tcp.timer_race: 0
net.inet.tcp.maxtcpw: 27767
net.inet.tcp.nolocaltimewait: 0
net.inet.udp.checksum: 1
net.inet.udp.maxdgram: 9216
net.inet.udp.recvspace: 42080
net.inet.udp.log_in_vain: 0
net.inet.udp.blackhole: 0
net.inet.sctp.sendspace: 1864135
net.inet.sctp.recvspace: 1864135
net.inet.sctp.auto_asconf: 1
net.inet.sctp.ecn_enable: 1
net.inet.sctp.strict_sacks: 1
net.inet.sctp.peer_chkoh: 256
net.inet.sctp.maxburst: 4
net.inet.sctp.fr_maxburst: 4
net.inet.sctp.maxchunks: 126697
net.inet.sctp.tcbhashsize: 1024
net.inet.sctp.pcbhashsize: 256
net.inet.sctp.min_split_point: 2904
net.inet.sctp.chunkscale: 10
net.inet.sctp.delayed_sack_time: 200
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net.inet.sctp.sack_freq: 2
net.inet.sctp.sys_resource: 1000
net.inet.sctp.asoc_resource: 10
net.inet.sctp.heartbeat_interval: 30000
net.inet.sctp.pmtu_raise_time: 600
net.inet.sctp.shutdown_guard_time: 180
net.inet.sctp.secret_lifetime: 3600
net.inet.sctp.rto_max: 60000
net.inet.sctp.rto_min: 1000
net.inet.sctp.rto_initial: 3000
net.inet.sctp.init_rto_max: 60000
net.inet.sctp.valid_cookie_life: 60000
net.inet.sctp.init_rtx_max: 8
net.inet.sctp.assoc_rtx_max: 10
net.inet.sctp.path_rtx_max: 5
net.inet.sctp.path_pf_threshold: 65535
net.inet.sctp.add_more_on_output: 1452
net.inet.sctp.incoming_streams: 2048
net.inet.sctp.outgoing_streams: 10
net.inet.sctp.cmt_on_off: 0
net.inet.sctp.nr_sack_on_off: 0
net.inet.sctp.cmt_use_dac: 0
net.inet.sctp.cwnd_maxburst: 1
net.inet.sctp.asconf_auth_nochk: 0
net.inet.sctp.auth_disable: 0
net.inet.sctp.nat_friendly: 1
net.inet.sctp.abc_l_var: 2
net.inet.sctp.max_chained_mbufs: 5
net.inet.sctp.do_sctp_drain: 1
net.inet.sctp.hb_max_burst: 4
net.inet.sctp.abort_at_limit: 0
net.inet.sctp.strict_data_order: 0
net.inet.sctp.min_residual: 1452
net.inet.sctp.max_retran_chunk: 30
net.inet.sctp.log_level: 0
net.inet.sctp.default_cc_module: 0
net.inet.sctp.default_ss_module: 0
net.inet.sctp.default_frag_interleave: 1
net.inet.sctp.mobility_base: 0
net.inet.sctp.mobility_fasthandoff: 0
net.inet.sctp.udp_tunneling_port: 0
net.inet.sctp.enable_sack_immediately: 0
net.inet.sctp.nat_friendly_init: 0
net.inet.sctp.vtag_time_wait: 60
net.inet.sctp.buffer_splitting: 0
net.inet.sctp.initial_cwnd: 3
net.inet.sctp.rttvar_bw: 4
net.inet.sctp.rttvar_rtt: 5
net.inet.sctp.rttvar_eqret: 0
net.inet.sctp.rttvar_steady_step: 20
net.inet.sctp.use_dcccecn: 1
net.inet.sctp.blackhole: 0
net.inet.raw.maxdgram: 9216
net.inet.raw.recvspace: 9216
net.inet.accf.unloadable: 0
net.link.generic.system.ifcount: 5
net.link.ether.inet.max_age: 1200
net.link.ether.inet.maxtries: 5
net.link.ether.inet.useloopback: 1
net.link.ether.inet.proxyall: 0
net.link.ether.inet.wait: 20
net.link.ether.inet.maxhold: 1
net.link.ether.inet.log_arp_wrong_iface: 1
net.link.ether.inet.log_arp_movements: 1
net.link.ether.inet.log_arp_permanent_modify: 1
net.link.ether.inet.allow_multicast: 0
net.link.ether.inet.max_log_per_second: 1
net.link.vlan.soft_pad: 0
net.link.gif.max_nesting: 1
net.link.gif.parallel_tunnels: 0
net.link.ifqmaxlen: 50
net.link.log_link_state_change: 1
net.link.tun.devfs_cloning: 1
net.inet6.ip6.forwarding: 0
net.inet6.ip6.redirect: 1
net.inet6.ip6.hlim: 64
net.inet6.ip6.maxfragpackets: 253394
net.inet6.ip6.accept_rtadv: 0
net.inet6.ip6.keepfaith: 0
net.inet6.ip6.log_interval: 5
net.inet6.ip6.hdrnestlimit: 15
net.inet6.ip6.dad_count: 1
net.inet6.ip6.auto_flowlabel: 1
net.inet6.ip6.defmcasthlim: 1
net.inet6.ip6.gifhlim: 30
net.inet6.ip6.kame_version: FreeBSD
net.inet6.ip6.use_deprecated: 1
net.inet6.ip6.rr_prune: 5
net.inet6.ip6.v6only: 1
net.inet6.ip6.rtmacache: 128
net.inet6.ip6.use_tempaddr: 0
net.inet6.ip6.temppltime: 86400
net.inet6.ip6.tempvltime: 604800
net.inet6.ip6.auto_linklocal: 1
net.inet6.ip6.prefer_tempaddr: 0
net.inet6.ip6.use_defaultzone: 0
net.inet6.ip6.maxfrags: 253394
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net.inet6.ip6.mcast_pmtu: 0
net.inet6.ip6.no_radr: 0
net.inet6.ip6.norbit_raif: 0
net.inet6.ip6.rfc6204w3: 0
net.inet6.ip6.mcast.maxgrpsrc: 512
net.inet6.ip6.mcast.maxsocksrc: 128
net.inet6.ip6.mcast.loop: 1
net.inet6.ip6.deembed_scopeid: 1
net.inet6.icmp6.rediraccept: 1
net.inet6.icmp6.redirtimeout: 600
net.inet6.icmp6.nd6_prune: 1
net.inet6.icmp6.nd6_delay: 5
net.inet6.icmp6.nd6_umaxtries: 3
net.inet6.icmp6.nd6_nmaxtries: 3
net.inet6.icmp6.nd6_useloopback: 1
net.inet6.icmp6.nodeinfo: 3
net.inet6.icmp6.errrpslimit: 100
net.inet6.icmp6.nd6_maxnudhint: 0
net.inet6.icmp6.nd6_debug: 0
net.inet6.icmp6.nd6_maxqueueelen: 1
net.inet6.icmp6.nodeinfo_oldmcprefix: 1
net.inet6.icmp6.nd6_onlink_ns_rfc4861: 0
net.inet6.mld.gsrdelay: 10
net.inet6.mld.vienable: 1
net.inet6.mld.use_alllow: 1
net.bpf.maxinsns: 512
net.bpf.zerocopy_enable: 0
net.bpf.optimize_writers: 0
net.bpf.bufsize: 4096
net.bpf.maxbufsize: 524288
net.ifdescr_maxlen: 1024
net.isr.dispatch: direct
net.isr.maxthreads: 1
net.isr.bindthreads: 0
net.isr.maxqlimit: 10240
net.isr.defaultqlimit: 256
net.isr.maxprot: 16
net.isr.numthreads: 1
net.raw.sendspace: 8192
net.raw.recvspace: 8192
net.fibs: 1
net.add_addr_allfibs: 1
net.my_fibnum: 0
net.route.netisr_maxqlen: 256
net.wlan.nol_timeout: 1800
net.wlan.cac_timeout: 60
net.wlan.debug: 0
net.wlan.ampdu_age: 500
net.wlan.recv_bar: 1
net.wlan.addba_timeout: 250
net.wlan.addba_backoff: 10000
net.wlan.addba_maxtries: 3
net.wlan.hwmp.targetonly: 0
net.wlan.hwmp.pathlifetime: 5000
net.wlan.hwmp.maxpreq_retries: 3
net.wlan.hwmp.net_diameter_traversal_time: 512
net.wlan.hwmp.roottimeout: 5000
net.wlan.hwmp.rootint: 2000
net.wlan.hwmp.rannint: 1000
net.wlan.hwmp.rootconfint: 2000
net.wlan.hwmp.inact: 5000
net.wlan.mesh.gateint: 10000
net.wlan.mesh.retrytimeout: 40
net.wlan.mesh.holdingtimeout: 40
net.wlan.mesh.confirmtimeout: 40
net.wlan.mesh.backofftimeout: 5000
net.wlan.mesh.maxretries: 2
net.wlan.mesh.maxholding: 2
debug.acpi.acpi_ca_version: 20130823
debug.acpi.enable_debug_objects: 0
debug.acpi.interpreter_slack: 1
debug.acpi.reset_clock: 1
debug.acpi.suspend_bounce: 0
debug.acpi.cpu_unordered: 0
debug.acpi.ec.burst: 0
debug.acpi.ec.pollled: 0
debug.acpi.ec.timeout: 750
debug.acpi.batt.batt_sleep_ms: 0
debug.acpi.resume_beep: 0
debug.ipw: 0
debug.iwi: 0
debug.mdebug: 0
debug.wpi: 0
debug.elf64_legacy_coredump: 0
debug.elf32_legacy_coredump: 0
debug.boothowto: 0
debug.bootverbose: 0
debug.cpubus.lowest: 0
debug.cpubus.verbose: 0
debug.fail_point.sysctl_running: off
debug.fail_point.buf_pressure: off
debug.fail_point.nlm_deny_grant: off
debug.sizeof.cdev: 288
debug.sizeof.cdev_priv: 376
debug.sizeof.g_class: 176
debug.sizeof.g_geom: 176
debug.sizeof.g_provider: 136
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debug.sizeof.g_consumer: 96
debug.sizeof.g_bioq: 56
debug.sizeof.vnode: 472
debug.sizeof.proc: 1208
debug.sizeof.bio: 248
debug.sizeof.buf: 600
debug.sizeof.kinfo_proc: 1088
debug.sizeof.devstat: 288
debug.sizeof.namecache: 72
debug.adaptive_machine_arch: 1
debug.osd: 0
debug.rwlock.retry: 10
debug.rwlock.loops: 10000
debug.debugger_on_panic: 1
debug.trace_on_panic: 1
debug.ncores: 5
debug.sx.retries: 10
debug.sx.loops: 10000
debug.umtx.umtx_pi_allocated: 0
debug.clocktime: 0
debug.kdb.current:
debug.kdb.enter: 0
debug.kdb.panic: 0
debug.kdb.trap: 0
debug.kdb.trap_code: 0
debug.kdb.break_to_debugger: 0
debug.kdb.alt_break_to_debugger: 0
debug.rman_debug: 0
debug.iosize_max_clamp: 1
debug.devfs_iosize_max_clamp: 1
debug.nchash: 524287
debug.numneg: 44
debug.numcache: 718
debug.numcachehv: 87
debug.vfscache: 1
debug.disablecwd: 0
debug.disablefullpath: 0
debug.rush_requests: 0
debug.vnlru_nowhere: 0
debug.vn_io_fault_enable: 1
debug.vn_io_faults: 177
debug.if_tun_debug: 0
debug.nlm_debug: 0
debug.fscckcmds: 0
debug.dopersistence: 0
debug.snapdebug: 0
debug.collectsnapstats: 0
debug.softdep.total.pagedep: 64
debug.softdep.total.inodedep: 483
debug.softdep.total.bmsafemap: 470
debug.softdep.total.newblk: 553
debug.softdep.total.allocdirect: 544
debug.softdep.total.indirdep: 1
debug.softdep.total.allocindir: 9
debug.softdep.total.freefrag: 20
debug.softdep.total.freeblks: 26
debug.softdep.total.freefile: 27
debug.softdep.total.diradd: 486
debug.softdep.total.mkdir: 98
debug.softdep.total.dirrem: 45
debug.softdep.total.newdirblk: 49
debug.softdep.total.freework: 27
debug.softdep.total.freedep: 0
debug.softdep.total.jaddrf: 584
debug.softdep.total.jremref: 57
debug.softdep.total.jmvref: 0
debug.softdep.total.jnewblk: 554
debug.softdep.total.jfreeblk: 0
debug.softdep.total.jfreefrag: 20
debug.softdep.total.jseg: 13
debug.softdep.total.jsegdep: 1215
debug.softdep.total.sbdep: 6
debug.softdep.total.jtrunc: 0
debug.softdep.total.jfsync: 0
debug.softdep.highuse.pagedep: 47
debug.softdep.highuse.inodedep: 400
debug.softdep.highuse.bmsafemap: 5
debug.softdep.highuse.newblk: 1
debug.softdep.highuse.allocdirect: 420
debug.softdep.highuse.indirdep: 1
debug.softdep.highuse.allocindir: 9
debug.softdep.highuse.freefrag: 14
debug.softdep.highuse.freeblks: 2
debug.softdep.highuse.freefile: 3
debug.softdep.highuse.diradd: 399
debug.softdep.highuse.mkdir: 81
debug.softdep.highuse.dirrem: 3
debug.softdep.highuse.newdirblk: 43
debug.softdep.highuse.freework: 3
debug.softdep.highuse.freedep: 0
debug.softdep.highuse.jaddrf: 388
debug.softdep.highuse.jremref: 3
debug.softdep.highuse.jmvref: 0
debug.softdep.highuse.jnewblk: 368
debug.softdep.highuse.jfreeblk: 0
debug.softdep.highuse.jfreefrag: 1
debug.softdep.highuse.jseg: 10
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debug.softdep.highuse.jsegdep: 899
debug.softdep.highuse.sbdep: 1
debug.softdep.highuse.jtrunc: 0
debug.softdep.highuse.jfsync: 0
debug.softdep.current.pagedep: 4
debug.softdep.current.inodedep: 41
debug.softdep.current.bmsafemap: 2
debug.softdep.current.newblk: 0
debug.softdep.current.allocdirect: 3
debug.softdep.current.indirdep: 0
debug.softdep.current.allocindir: 0
debug.softdep.current.freefrag: 2
debug.softdep.current.freeblks: 0
debug.softdep.current.freefile: 0
debug.softdep.current.diradd: 41
debug.softdep.current.mkdir: 0
debug.softdep.current.dirrem: 0
debug.softdep.current.newdirblk: 0
debug.softdep.current.freework: 0
debug.softdep.current.freedep: 0
debug.softdep.current.jaddrf: 1
debug.softdep.current.jremref: 0
debug.softdep.current.jmvref: 0
debug.softdep.current.jnewblk: 4
debug.softdep.current.jfreeblk: 0
debug.softdep.current.jfreefrag: 0
debug.softdep.current.jseg: 4
debug.softdep.current.jsegdep: 46
debug.softdep.current.sbdep: 0
debug.softdep.current.jtrunc: 0
debug.softdep.current.jfsync: 0
debug.softdep.write.pagedep: 67
debug.softdep.write.inodedep: 1408
debug.softdep.write.bmsafemap: 13
debug.softdep.write.newblk: 0
debug.softdep.write.allocdirect: 474
debug.softdep.write.indirdep: 1
debug.softdep.write.allocindir: 9
debug.softdep.write.freefrag: 0
debug.softdep.write.freeblks: 1
debug.softdep.write.freefile: 0
debug.softdep.write.diradd: 0
debug.softdep.write.mkdir: 0
debug.softdep.write.dirrem: 0
debug.softdep.write.newdirblk: 0
debug.softdep.write.freework: 0
debug.softdep.write.freedep: 0
debug.softdep.write.jaddrf: 0
debug.softdep.write.jremref: 0
debug.softdep.write.jmvref: 0
debug.softdep.write.jnewblk: 0
debug.softdep.write.jfreeblk: 0
debug.softdep.write.jfreefrag: 0
debug.softdep.write.jseg: 13
debug.softdep.write.jsegdep: 2
debug.softdep.write.sbdep: 6
debug.softdep.write.jtrunc: 0
debug.softdep.write.jfsync: 0
debug.softdep.max_softdeps: 1395288
debug.softdep.tickdelay: 2
debug.softdep.maxindirdeps: 50
debug.softdep.worklist_push: 0
debug.softdep.blk_limit_push: 0
debug.softdep.ino_limit_push: 0
debug.softdep.blk_limit_hit: 0
debug.softdep.ino_limit_hit: 0
debug.softdep.sync_limit_hit: 0
debug.softdep.indir_blk_ptrs: 0
debug.softdep.inode_bitmap: 14
debug.softdep.direct_blk_ptrs: 31
debug.softdep.dir_entry: 13
debug.softdep.jaddrf_rollback: 59
debug.softdep.jnewblk_rollback: 61
debug.softdep.journal_low: 0
debug.softdep.journal_min: 0
debug.softdep.journal_wait: 2
debug.softdep.jwait_filepage: 0
debug.softdep.jwait_freeblks: 0
debug.softdep.jwait_inode: 0
debug.softdep.jwait_newblk: 2
debug.softdep.cleanup_blkrequests: 0
debug.softdep.cleanup_inorequests: 0
debug.softdep.cleanup_high_delay: 0
debug.softdep.cleanup_retries: 0
debug.softdep.cleanup_failures: 0
debug.softdep.flushcache: 0
debug.bigcgs: 0
debug.dobkgrdwrite: 1
debug.dircheck: 0
debug.psm.loglevel: 0
debug.psm.hz: 20
debug.psm.errsecs: 2
debug.psm.errusecs: 0
debug.psm.secs: 0
debug.psm.usecs: 500000
debug.psm.pkterrthresh: 2
debug.vesa.shadow_rom: 0


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debug.fdc.fifo: 8
debug.fdc.debugflags: 0
debug.fdc.retries: 10
debug.fdc.spec1: 175
debug.fdc.spec2: 16
debug.fdc.settle: 0
debug.x86bios.call: 0
debug.x86bios.int: 0
debug.hwpstate_verbose: 0
debug.minidump: 1
hw.machine: amd64
hw.model: Intel(R) Xeon(R) CPU E5-2609 v2 @ 2.50GHz
hw.ncpu: 8
hw.byteorder: 1234
hw.physmem: 17098706944
hw.usermem: 16889868288
hw.pagesize: 4096
hw.floatingpoint: 1
hw.machine_arch: amd64
hw.realmem: 17179869184
hw.aac.enable_msi: 1
hw.amr.force_sg32: 0
hw.an.an_dump: off
hw.an.an_cache_mode: dbm
hw.an.an_cache_mcastonly: 0
hw.an.an_cache_iponly: 1
hw.ata.ata_dma_check_80pin: 1
hw.ath.longcal: 30
hw.ath.shortcal: 100
hw.ath.resetcal: 1200
hw.ath.anical: 100
hw.ath.rxbuf: 512
hw.ath.txbuf: 512
hw.ath.txbuf_mgmt: 32
hw.ath.bstuck: 4
hw.bce.verbose: 1
hw.bce.tso_enable: 1
hw.bce.msi_enable: 1
hw.bce.rx_pages: 2
hw.bce.tx_pages: 2
hw.bce.hdr_split: 1
hw.bce.strict_rx_mtu: 0
hw.bce.tx_quick_cons_trip_int: 20
hw.bce.tx_quick_cons_trip: 20
hw.bce.tx_ticks_int: 80
hw.bce.tx_ticks: 80
hw.bce.rx_quick_cons_trip_int: 6
hw.bce.rx_quick_cons_trip: 6
hw.bce.rx_ticks_int: 18
hw.bce.rx_ticks: 18
hw.bge.allow_asf: 1
hw.cardbus.debug: 0
hw.cardbus.cis_debug: 0
hw.cs.ignore_checksum_failure: 0
hw.cs.recv_delay: 570
hw.em.tx_int_delay: 66
hw.em.rx_int_delay: 0
hw.em.tx_abs_int_delay: 66
hw.em.rx_abs_int_delay: 66
hw.em.rxd: 1024
hw.em.txd: 1024
hw.em.smart_pwr_down: 0
hw.em.sbp: 0
hw.em.enable_msix: 1
hw.em.rx_process_limit: 100
hw.em.eee_setting: 1
hw.igb.rxd: 1024
hw.igb.txd: 1024
hw.igb.enable_aim: 1
hw.igb.enable_msix: 1
hw.igb.max_interrupt_rate: 8000
hw.igb.buf_ring_size: 4096
hw.igb.header_split: 0
hw.igb.num_queues: 0
hw.igb.rx_process_limit: 100
hw.ix.enable_aim: 1
hw.ix.max_interrupt_rate: 31250
hw.ix.rx_process_limit: 256
hw.ix.tx_process_limit: 256
hw.ix.enable_msix: 1
hw.ix.num_queues: 0
hw.ix.txd: 2048
hw.ix.rxd: 2048
hw.malo.txcoalesce: 8
hw.malo.rxbuf: 256
hw.malo.rxquota: 256
hw.malo.txbuf: 256
hw.malo.pci.msi_disable: 0
hw.mfi.event_locale: 65535
hw.mfi.event_class: 0
hw.mfi.max_cmds: 128
hw.mfi.detect_jbod_change: 1
hw.mfi.polled_cmd_timeout: 60
hw.mfi.cmd_timeout: 30
hw.mfi.msi: 1
hw.mmc.debug: 0
hw.mwl.rxdesc: 256
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hw.mwl.rxbuf: 640
hw.mwl.txbuf: 256
hw.mwl.txcoalesce: 8
hw.mwl.rxquota: 640
hw.mwl.rxdmalo: 3
hw.pccard.debug: 0
hw.pccard.cis_debug: 0
hw.cbb.start_memory: 2281701376
hw.cbb.start_16_io: 256
hw.cbb.start_32_io: 4096
hw.cbb.debug: 0
hw.pci.intr_mask: 57016
hw.pci.pd6722_vsense: 1
hw.pci.enable_io_modes: 1
hw.pci.realloc_bars: 0
hw.pci.do_power_nodriver: 0
hw.pci.do_power_resume: 1
hw.pci.do_power_suspend: 1
hw.pci.enable_msi: 1
hw.pci.enable_msix: 1
hw.pci.honor_msi_blacklist: 1
hw.pci.usb_early_takeover: 1
hw.pci.default_vgapci_unit: 0
hw.pci.mcfg: 1
hw.pci.host_mem_start: 2147483648
hw.sdhci.debug: 0
hw.sdhci_pci.debug: 0
hw.snd.report_soft_formats: 1
hw.snd.report_soft_matrix: 1
hw.snd.latency: 5
hw.snd.latency_profile: 1
hw.snd.vpc_autoreset: 1
hw.snd.vpc_0db: 45
hw.snd.vpc_reset: 0
hw.snd.compat_linux_mmap: 0
hw.snd.feeder_eq_presets: PEQ:16000,0.2500,62,0.2500:-9,9,1.0:44100,48000,88200,96000,176400,192000
hw.snd.feeder_eq_exact_rate: 0
hw.snd.feeder_rate_presets: 100:8:0.85 100:36:0.92 100:164:0.97
hw.snd.feeder_rate_polyphase_max: 183040
hw.snd.feeder_rate_min: 1
hw.snd.feeder_rate_max: 2016000
hw.snd.feeder_rate_round: 25
hw.snd.feeder_rate_quality: 1
hw.snd.vpc_mixer_bypass: 1
hw.snd.verbose: 0
hw.snd.default_auto: -1
hw.snd.version: 2009061500/amd64
hw.snd.default_unit: -1
hw.snd.maxautovchans: 16
hw.midi.stat.verbose: 0
hw.midi.debug: 0
hw.midi.dumpraw: 0
hw.midi.instrhoff: 0
hw.midi.seq.debug: 0
hw.syscons.saver_keyonly: 1
hw.syscons.bell: 1
hw.syscons.kbd_reboot: 1
hw.syscons.kbd_debug: 1
hw.syscons.sc_no_suspend_vtswitch: 0
hw.broken_txfifo: 0
hw.usb.ehci.debug: 0
hw.usb.ehci.no_hs: 0
hw.usb.ehci.iaadbug: 0
hw.usb.ehci.lostintrbug: 0
hw.usb.ohci.debug: 0
hw.usb.uhci.debug: 0
hw.usb.uhci.loop: 0
hw.usb.xhci.streams: 0
hw.usb.xhci.debug: 0
hw.usb.xhci.xhci_port_route: 0
hw.usb.xhci.use_polling: 0
hw.usb.ctrl.debug: 0
hw.usb.no_boot_wait: 0
hw.usb.no_suspend_wait: 0
hw.usb.no_shutdown_wait: 0
hw.usb.umass.debug: 0
hw.usb.umass.throttle: 0
hw.usb.debug: 0
hw.usb.timings.port_reset_delay: 50
hw.usb.timings.port_root_reset_delay: 250
hw.usb.timings.port_reset_recovery: 250
hw.usb.timings.port_powerup_delay: 300
hw.usb.timings.port_resume_delay: 40
hw.usb.timings.set_address_settle: 10
hw.usb.timings.resume_delay: 250
hw.usb.timings.resume_wait: 50
hw.usb.timings.resume_recovery: 50
hw.usb.timings.extra_power_up_time: 20
hw.usb.dev.debug: 0
hw.usb.template: 0
hw.usb.usb_lang_id: 9
hw.usb.usb_lang_mask: 255
hw.usb.ugen.debug: 0
hw.usb.uhub.debug: 0
hw.usb.power_timeout: 30
hw.usb.proc.debug: 0
hw.usb.no_cs_fail: 0
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hw.usb.full_ddesc: 0
hw.usb.ukbd.debug: 0
hw.usb.ukbd.no_leds: 0
hw.usb.ukbd.pollrate: 0
hw.usb.ums.debug: 0
hw.watchdog.wd_last_u: 0
hw.watchdog.wd_last_u_secs: 0
hw.wi.txrate: 0
hw.wi.debug: 0
hw.xe.debug: 0
hw.intr_storm_threshold: 1000
hw.availpages: 4174489
hw.pagesizes: 4096 2097152 0
hw.bus.devctl_disable: 0
hw.bus.devctl_queue: 1000
hw.clockrate: 2500
hw.instruction_sse: 1
hw.via_feature_rng: 0
hw.via_feature_xcrypt: 0
hw.psm.tap_enabled: -1
hw.psm.tap_threshold: 25
hw.psm.tap_timeout: 125000
hw.bxe.debug: 0
hw.bxe.interrupt_mode: 2
hw.bxe.queue_count: 4
hw.bxe.max_rx_bufs: 0
hw.bxe.hc_rx_ticks: 25
hw.bxe.hc_tx_ticks: 50
hw.bxe.rx_budget: -1
hw.bxe.max_aggregation_size: 0
hw.bxe.mrrs: -1
hw.bxe.autogreen: 0
hw.bxe.udp_rss: 0
hw.kbd.keymap_restrict_change: 0
hw.busdma.total_bpages: 2861
hw.busdma.zone0.total_bpages: 2861
hw.busdma.zone0.free_bpages: 2847
hw.busdma.zone0.reserved_bpages: 0
hw.busdma.zone0.active_bpages: 14
hw.busdma.zone0.total_bounced: 187
hw.busdma.zone0.total_deferred: 0
hw.busdma.zone0.lowaddr: 0xffffffff
hw.busdma.zone0.alignment: 4096
hw.apic.enable_extint: 0
hw.mca.enabled: 1
hw.mca.amd10h_L1TP: 1
hw.mca.erratum383: 0
hw.mca.count: 0
hw.mca.interval: 3600
hw.mca.force_scan: 0
hw.mca.cmc_throttle: 60
hw.acpi.supported_sleep_state: S1 S5
hw.acpi.power_button_state: S5
hw.acpi.sleep_button_state: S1
hw.acpi.lid_switch_state: NONE
hw.acpi.standby_state: S1
hw.acpi.suspend_state: NONE
hw.acpi.sleep_delay: 1
hw.acpi.s4bios: 0
hw.acpi.verbose: 0
hw.acpi.disable_on_reboot: 0
hw.acpi.handle_reboot: 1
hw.acpi.reset_video: 0
hw.acpi.cpu.cx_lowest: C1
machdep.acpi_timer_freq: 3579545
machdep.enable_panic_key: 0
machdep.rtc_save_period: 1800
machdep.adjkerntz: 0
machdep.wall_cmos_clock: 0
machdep.disable_rtc_set: 0
machdep.disable_mtrrs: 0
machdep.idle_mwait: 1
machdep.idle_available: spin, mwait, hlt, acpi
machdep.idle: acpi
machdep.nkpt: 21
machdep.max_ldt_segment: 1024
machdep.kdb_on_nmi: 1
machdep.panic_on_nmi: 1
machdep.prot_fault_translation: 0
machdep.uprintf_signal: 0
machdep.acpi_root: 984208
machdep.i8254_freq: 1193182
machdep.disable_tsc: 0
machdep.disable_tsc_calibration: 0
machdep.tsc_freq: 2500050092
user.cs_path:
user.bc_base_max: 0
user.bc_dim_max: 0
user.bc_scale_max: 0
user.bc_string_max: 0
user.coll_weights_max: 0
user.expr_nest_max: 0
user.line_max: 0
user.re_dup_max: 0
user.posix2_version: 0
user.posix2_c_bind: 0
user.posix2_c_dev: 0

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user.posix2_char_term: 0
user.posix2_fort_dev: 0
user.posix2_fort_run: 0
user.posix2_localedef: 0
user.posix2_sw_dev: 0
user.posix2_upe: 0
user.stream_max: 0
user.tzname_max: 0
p1003_1b.asynchronous_io: 0
p1003_1b.mapped_files: 200112
p1003_1b.memlock: 0
p1003_1b.memlock_range: 0
p1003_1b.memory_protection: 0
p1003_1b.message_passing: 0
p1003_1b.prioritized_io: 0
p1003_1b.priority_scheduling: 200112
p1003_1b.realtime_signals: 200112
p1003_1b.semaphores: 0
p1003_1b.fsync: 200112
p1003_1b.shared_memory_objects: 200112
p1003_1b.synchronized_io: 0
p1003_1b.timers: 200112
p1003_1b.aio_listio_max: -1
p1003_1b.aio_max: -1
p1003_1b.aio_prio_delta_max: -1
p1003_1b.delaytimer_max: 2147483647
p1003_1b.mq_open_max: 0
p1003_1b.pagesize: 4096
p1003_1b.rtsig_max: 62
p1003_1b.sem_nsems_max: 0
p1003_1b.sem_value_max: 0
p1003_1b.sigqueue_max: 128
p1003_1b.timer_max: 32
compat.ia32.maxdsiz: 536870912
compat.ia32.maxssiz: 67108864
compat.ia32.maxvmem: 0
security.jail.jailed: 0
security.jail.vnet: 0
security.jail.jail_max_af_ips: 255
security.jail.set_hostname_allowed: 1
security.jail.socket_unixiproute_only: 1
security.jail.sysvipc_allowed: 0
security.jail.allow_raw_sockets: 0
security.jail.chflags_allowed: 0
security.jail.mount_allowed: 0
security.jail.mount_devfs_allowed: 0
security.jail.mount_nullfs_allowed: 0
security.jail.mount_procfs_allowed: 0
security.jail.mount_tmpfs_allowed: 0
security.jail.mount_zfs_allowed: 0
security.jail.enforce_stats: 2
security.jail.devfs_ruleset: 0
security.jail.param.jid: 0
security.jail.param.parent: 0
security.jail.param.name: 256
security.jail.param.path: 1024
security.jail.param.securelevel: 0
security.jail.param.enforce_stats: 0
security.jail.param.devfs_ruleset: 0
security.jail.param.persist: 0
security.jail.param.dying: 0
security.jail.param.children.cur: 0
security.jail.param.children.max: 0
security.jail.param.host.: 0
security.jail.param.host.hostname: 256
security.jail.param.host.domainname: 256
security.jail.param.host.hostuid: 64
security.jail.param.host.hostid: 0
security.jail.param.cpuset.id: 0
security.jail.param.ip4.: 0
security.jail.param.ip4.saddrsel: 0
security.jail.param.ip6.: 0
security.jail.param.ip6.saddrsel: 0
security.jail.param.allow.set_hostname: 0
security.jail.param.allow.sysvipc: 0
security.jail.param.allow.raw_sockets: 0
security.jail.param.allow.chflags: 0
security.jail.param.allow.quotas: 0
security.jail.param.allow.socket_af: 0
security.jail.param.allow.mount.: 0
security.jail.param.allow.mount.devfs: 0
security.jail.param.allow.mount.nullfs: 0
security.jail.param.allow.mount.procfs: 0
security.jail.param.allow.mount.tmpfs: 0
security.jail.param.allow.mount.zfs: 0
security.bsd.map_at_zero: 0
security.bsd.suser_enabled: 1
security.bsd.unprivileged_mlock: 1
security.bsd.see_other_uids: 1
security.bsd.see_other_gids: 1
security.bsd.conservative_signals: 1
security.bsd.unprivileged_proc_debug: 1
security.bsd.unprivileged_idprio: 0
security.bsd.unprivileged_read_msgbuf: 1
security.bsd.hardlink_check_uid: 0
security.bsd.hardlink_check_gid: 0
security.bsd.unprivileged_get_quota: 0

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security.bsd.stack_guard_page: 0
security.mac.version: 4
security.mac.max_slots: 4
security.mac.labeled: 0
security.mac.mmap_revocation: 1
security.mac.mmap_revocation_via_cow: 0
dev.xen.balloon.current: 0
dev.xen.balloon.target: 0
dev.xen.balloon.driver_pages: 0
dev.xen.balloon.hard_limit: 0
dev.xen.balloon.low_mem: 0
dev.xen.balloon.high_mem: 0
dev.xen.xsd_port: 0
dev.xen.xsd_kva: 0
dev.nexus.0.%driver: nexus
dev.nexus.0.%parent: root0
dev.ram.0.%desc: System RAM
dev.ram.0.%driver: ram
dev.ram.0.%parent: nexus0
dev.acpi.0.%desc: ALASKA 0645
dev.acpi.0.%driver: acpi
dev.acpi.0.%parent: nexus0
dev.acpi_sysresource.0.%desc: System Resource
dev.acpi_sysresource.0.%driver: acpi_sysresource
dev.acpi_sysresource.0.%location: handle=\_SB_.PCI0.IOH_
dev.acpi_sysresource.0.%pnpinfo: _HID=PNP0C01 _UID=10
dev.acpi_sysresource.0.%parent: acpi0
dev.acpi_sysresource.1.%desc: System Resource
dev.acpi_sysresource.1.%driver: acpi_sysresource
dev.acpi_sysresource.1.%location: handle=\_SB_.PCI0.VTDR
dev.acpi_sysresource.1.%pnpinfo: _HID=PNP0C02 _UID=4
dev.acpi_sysresource.1.%parent: acpi0
dev.acpi_sysresource.2.%desc: System Resource
dev.acpi_sysresource.2.%driver: acpi_sysresource
dev.acpi_sysresource.2.%location: handle=\_SB_.PCI0.SBRG.SIO1
dev.acpi_sysresource.2.%pnpinfo: _HID=PNP0C02 _UID=78
dev.acpi_sysresource.2.%parent: acpi0
dev.acpi_sysresource.3.%desc: System Resource
dev.acpi_sysresource.3.%driver: acpi_sysresource
dev.acpi_sysresource.3.%location: handle=\_SB_.PCI0.SBRG.RMSC
dev.acpi_sysresource.3.%pnpinfo: _HID=PNP0C02 _UID=16
dev.acpi_sysresource.3.%parent: acpi0
dev.acpi_sysresource.4.%desc: System Resource
dev.acpi_sysresource.4.%driver: acpi_sysresource
dev.acpi_sysresource.4.%location: handle=\_SB_.PCI0.SBRG.MBRD
dev.acpi_sysresource.4.%pnpinfo: _HID=PNP0C02 _UID=31
dev.acpi_sysresource.4.%parent: acpi0
dev.acpi_sysresource.5.%desc: System Resource
dev.acpi_sysresource.5.%driver: acpi_sysresource
dev.acpi_sysresource.5.%location: handle=\_SB_.PCI0.PCH_
dev.acpi_sysresource.5.%pnpinfo: _HID=PNP0C01 _UID=455
dev.acpi_sysresource.5.%parent: acpi0
dev.acpi_sysresource.6.%desc: System Resource
dev.acpi_sysresource.6.%driver: acpi_sysresource
dev.acpi_sysresource.6.%location: handle=\_SB_.PCI0.CWDT
dev.acpi_sysresource.6.%pnpinfo: _HID=INT3F0D _UID=0
dev.acpi_sysresource.6.%parent: acpi0
dev.acpi_sysresource.7.%desc: System Resource
dev.acpi_sysresource.7.%driver: acpi_sysresource
dev.acpi_sysresource.7.%location: handle=\_SB_.PCI0.PEX4.PPF1
dev.acpi_sysresource.7.%pnpinfo: _HID=PNP0C01 _UID=241
dev.acpi_sysresource.7.%parent: acpi0
dev.acpi_sysresource.8.%desc: System Resource
dev.acpi_sysresource.8.%driver: acpi_sysresource
dev.acpi_sysresource.8.%location: handle=\_SB_.PCI1.IOH1
dev.acpi_sysresource.8.%pnpinfo: _HID=PNP0C01 _UID=0
dev.acpi_sysresource.8.%parent: acpi0
dev.acpi_sysresource.9.%desc: System Resource
dev.acpi_sysresource.9.%driver: acpi_sysresource
dev.acpi_sysresource.9.%location: handle=\_SB_.PCI1.VTDR
dev.acpi_sysresource.9.%pnpinfo: _HID=PNP0C02 _UID=5
dev.acpi_sysresource.9.%parent: acpi0
dev.acpi_sysresource.10.%desc: System Resource
dev.acpi_sysresource.10.%driver: acpi_sysresource
dev.acpi_sysresource.10.%location: handle=\_SB_.RMEM
dev.acpi_sysresource.10.%pnpinfo: _HID=PNP0C01 _UID=1
dev.acpi_sysresource.10.%parent: acpi0
dev.acpi_sysresource.11.%desc: System Resource
dev.acpi_sysresource.11.%driver: acpi_sysresource
dev.acpi_sysresource.11.%location: handle=\QMSC
dev.acpi_sysresource.11.%pnpinfo: _HID=PNP0C02 _UID=3601
dev.acpi_sysresource.11.%parent: acpi0
dev.cpu.0.%desc: ACPI CPU
dev.cpu.0.%driver: cpu
dev.cpu.0.%location: handle=\_SB_.SCK0.C000
dev.cpu.0.%pnpinfo: _HID=ACPI0007 _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu.0.freq: 450
dev.cpu.0.freq_levels: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119
1200/32934 1050/28817 900/24700 750/20583 600/16467 450/12350 300/8233 150/4116
dev.cpu.0.cx_supported: C1/1/1 C2/2/41
dev.cpu.0.cx_lowest: C1
dev.cpu.0.cx_usage: 100.00% 0.00% last 17744us
dev.cpu.1.%desc: ACPI CPU
dev.cpu.1.%driver: cpu
dev.cpu.1.%location: handle=\_SB_.SCK0.C002
dev.cpu.1.%pnpinfo: _HID=ACPI0007 _UID=0

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dev.cpu.1.%parent: acpi0
dev.cpu.1.cx_supported: C1/1/1 C2/2/41
dev.cpu.1.cx_lowest: C1
dev.cpu.1.cx_usage: 100.00% 0.00% last 39273us
dev.cpu.2.%desc: ACPI CPU
dev.cpu.2.%driver: cpu
dev.cpu.2.%location: handle=\_SB_.SCK0.C004
dev.cpu.2.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.2.%parent: acpi0
dev.cpu.2.cx_supported: C1/1/1 C2/2/41
dev.cpu.2.cx_lowest: C1
dev.cpu.2.cx_usage: 100.00% 0.00% last 38793us
dev.cpu.3.%desc: ACPI CPU
dev.cpu.3.%driver: cpu
dev.cpu.3.%location: handle=\_SB_.SCK0.C006
dev.cpu.3.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.3.%parent: acpi0
dev.cpu.3.cx_supported: C1/1/1 C2/2/41
dev.cpu.3.cx_lowest: C1
dev.cpu.3.cx_usage: 100.00% 0.00% last 498us
dev.cpu.4.%desc: ACPI CPU
dev.cpu.4.%driver: cpu
dev.cpu.4.%location: handle=\_SB_.SCK1.C100
dev.cpu.4.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.4.%parent: acpi0
dev.cpu.4.cx_supported: C1/1/1 C2/2/41
dev.cpu.4.cx_lowest: C1
dev.cpu.4.cx_usage: 100.00% 0.00% last 20698us
dev.cpu.5.%desc: ACPI CPU
dev.cpu.5.%driver: cpu
dev.cpu.5.%location: handle=\_SB_.SCK1.C102
dev.cpu.5.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.5.%parent: acpi0
dev.cpu.5.cx_supported: C1/1/1 C2/2/41
dev.cpu.5.cx_lowest: C1
dev.cpu.5.cx_usage: 100.00% 0.00% last 39053us
dev.cpu.6.%desc: ACPI CPU
dev.cpu.6.%driver: cpu
dev.cpu.6.%location: handle=\_SB_.SCK1.C104
dev.cpu.6.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.6.%parent: acpi0
dev.cpu.6.cx_supported: C1/1/1 C2/2/41
dev.cpu.6.cx_lowest: C1
dev.cpu.6.cx_usage: 100.00% 0.00% last 39139us
dev.cpu.7.%desc: ACPI CPU
dev.cpu.7.%driver: cpu
dev.cpu.7.%location: handle=\_SB_.SCK1.C106
dev.cpu.7.%npninfo: _HID=ACPI0007 _UID=0
dev.cpu.7.%parent: acpi0
dev.cpu.7.cx_supported: C1/1/1 C2/2/41
dev.cpu.7.cx_lowest: C1
dev.cpu.7.cx_usage: 100.00% 0.00% last 35250us
dev.attimer.0.%desc: AT timer
dev.attimer.0.%driver: attimer
dev.attimer.0.%location: handle=\_SB_.PCI0.SBRG.TMR_
dev.attimer.0.%npninfo: _HID=PNP0100 _UID=0
dev.attimer.0.%parent: acpi0
dev.atrtc.0.%desc: AT realtime clock
dev.atrtc.0.%driver: atrtc
dev.atrtc.0.%location: handle=\_SB_.PCI0.SBRG.RTC0
dev.atrtc.0.%npninfo: _HID=PNP0800 _UID=0
dev.atrtc.0.%parent: acpi0
dev.hpet.0.%desc: High Precision Event Timer
dev.hpet.0.%driver: hpet
dev.hpet.0.%location: handle=\_SB_.PCI0.HPET
dev.hpet.0.%npninfo: _HID=PNP0103 _UID=0
dev.hpet.0.%parent: acpi0
dev.acpi_timer.0.%desc: 24-bit timer at 3.579545MHz
dev.acpi_timer.0.%driver: acpi_timer
dev.acpi_timer.0.%location: unknown
dev.acpi_timer.0.%npninfo: unknown
dev.acpi_timer.0.%parent: acpi0
dev.pci_link.0.%desc: ACPI PCI Link LNKA
dev.pci_link.0.%driver: pci_link
dev.pci_link.0.%location: handle=\_SB_.LNKA
dev.pci_link.0.%npninfo: _HID=PNP0C0F _UID=1
dev.pci_link.0.%parent: acpi0
dev.pci_link.1.%desc: ACPI PCI Link LNKB
dev.pci_link.1.%driver: pci_link
dev.pci_link.1.%location: handle=\_SB_.LNKB
dev.pci_link.1.%npninfo: _HID=PNP0C0F _UID=2
dev.pci_link.1.%parent: acpi0
dev.pci_link.2.%desc: ACPI PCI Link LNKC
dev.pci_link.2.%driver: pci_link
dev.pci_link.2.%location: handle=\_SB_.LNKC
dev.pci_link.2.%npninfo: _HID=PNP0C0F _UID=3
dev.pci_link.2.%parent: acpi0
dev.pci_link.3.%desc: ACPI PCI Link LNKD
dev.pci_link.3.%driver: pci_link
dev.pci_link.3.%location: handle=\_SB_.LNKD
dev.pci_link.3.%npninfo: _HID=PNP0C0F _UID=4
dev.pci_link.3.%parent: acpi0
dev.pci_link.4.%desc: ACPI PCI Link LNKE
dev.pci_link.4.%driver: pci_link
dev.pci_link.4.%location: handle=\_SB_.LNKE
dev.pci_link.4.%npninfo: _HID=PNP0C0F _UID=5
dev.pci_link.4.%parent: acpi0

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dev.pci_link.5.%desc: ACPI PCI Link LNKF
dev.pci_link.5.%driver: pci_link
dev.pci_link.5.%location: handle=\_SB_.LNKF
dev.pci_link.5.%pnpinfo: _HID=PNP0C0F _UID=6
dev.pci_link.5.%parent: acpi0
dev.pci_link.6.%desc: ACPI PCI Link LNKG
dev.pci_link.6.%driver: pci_link
dev.pci_link.6.%location: handle=\_SB_.LNKG
dev.pci_link.6.%pnpinfo: _HID=PNP0C0F _UID=7
dev.pci_link.6.%parent: acpi0
dev.pci_link.7.%desc: ACPI PCI Link LNKH
dev.pci_link.7.%driver: pci_link
dev.pci_link.7.%location: handle=\_SB_.LNKH
dev.pci_link.7.%pnpinfo: _HID=PNP0C0F _UID=8
dev.pci_link.7.%parent: acpi0
dev.pci.0.%desc: ACPI Host-PCI bridge
dev.pci.0.%driver: pci_b
dev.pci.0.%location: handle=\_SB_.PCI0
dev.pci.0.%pnpinfo: _HID=PNP0A08 _UID=0
dev.pci.0.%parent: acpi0
dev.pci.1.%desc: ACPI PCI-PCI bridge
dev.pci.1.%driver: pci_b
dev.pci.1.%location: slot=1 function=0 handle=\_SB_.PCI0.NPE1
dev.pci.1.%pnpinfo: vendor=0x8086 device=0x0e02 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.1.%parent: pci0
dev.pci.1.domain: 0
dev.pci.1.pribus: 0
dev.pci.1.secbus: 33
dev.pci.1.subbus: 36
dev.pci.1.wake: 0
dev.pci.2.%desc: ACPI PCI-PCI bridge
dev.pci.2.%driver: pci_b
dev.pci.2.%location: slot=2 function=0 handle=\_SB_.PCI0.NPE3
dev.pci.2.%pnpinfo: vendor=0x8086 device=0x0e04 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.2.%parent: pci0
dev.pci.2.domain: 0
dev.pci.2.pribus: 0
dev.pci.2.secbus: 37
dev.pci.2.subbus: 40
dev.pci.2.wake: 0
dev.pci.3.%desc: ACPI PCI-PCI bridge
dev.pci.3.%driver: pci_b
dev.pci.3.%location: slot=3 function=0 handle=\_SB_.PCI0.NPE7
dev.pci.3.%pnpinfo: vendor=0x8086 device=0x0e08 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.3.%parent: pci0
dev.pci.3.domain: 0
dev.pci.3.pribus: 0
dev.pci.3.secbus: 45
dev.pci.3.subbus: 48
dev.pci.3.wake: 0
dev.pci.4.%desc: ACPI PCI-PCI bridge
dev.pci.4.%driver: pci_b
dev.pci.4.%location: slot=3 function=2 handle=\_SB_.PCI0.NPE9
dev.pci.4.%pnpinfo: vendor=0x8086 device=0x0e0a subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.4.%parent: pci0
dev.pci.4.domain: 0
dev.pci.4.pribus: 0
dev.pci.4.secbus: 3
dev.pci.4.subbus: 4
dev.pci.4.wake: 0
dev.pci.5.%desc: ACPI PCI-PCI bridge
dev.pci.5.%driver: pci_b
dev.pci.5.%location: slot=17 function=0 handle=\_SB_.PCI0.BR3A
dev.pci.5.%pnpinfo: vendor=0x8086 device=0x1d3e subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.5.%parent: pci0
dev.pci.5.domain: 0
dev.pci.5.pribus: 0
dev.pci.5.secbus: 58
dev.pci.5.subbus: 59
dev.pci.6.%desc: ACPI PCI-PCI bridge
dev.pci.6.%driver: pci_b
dev.pci.6.%location: slot=28 function=0 handle=\_SB_.PCI0.PEX0
dev.pci.6.%pnpinfo: vendor=0x8086 device=0x1d10 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.6.%parent: pci0
dev.pci.6.domain: 0
dev.pci.6.pribus: 0
dev.pci.6.secbus: 2
dev.pci.6.subbus: 2
dev.pci.6.wake: 0
dev.pci.7.%desc: ACPI PCI-PCI bridge
dev.pci.7.%driver: pci_b
dev.pci.7.%location: slot=28 function=4 handle=\_SB_.PCI0.PEX4
dev.pci.7.%pnpinfo: vendor=0x8086 device=0x1d18 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.7.%parent: pci0
dev.pci.7.domain: 0
dev.pci.7.pribus: 0
dev.pci.7.secbus: 5
dev.pci.7.subbus: 32
dev.pci.7.wake: 0
dev.pci.8.%desc: ACPI PCI-PCI bridge
dev.pci.8.%driver: pci_b
dev.pci.8.%location: slot=30 function=0 handle=\_SB_.PCI0.BR3C
dev.pci.8.%pnpinfo: vendor=0x8086 device=0x244e subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.8.%parent: pci0
dev.pci.8.domain: 0
dev.pci.8.pribus: 0
dev.pci.8.secbus: 60

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dev.pci.8.subbus: 79
dev.pci.8.wake: 0
dev.pci.9.%desc: ACPI Host-PCI bridge
dev.pci.9.%driver: pcib
dev.pci.9.%location: handle=\_SB_.UNC0
dev.pci.9.%pnpinfo: _HID=PNP0A03 _UID=127
dev.pci.9.%parent: acpi0
dev.pci.10.%desc: ACPI Host-PCI bridge
dev.pci.10.%driver: pcib
dev.pci.10.%location: handle=\_SB_.PCI1
dev.pci.10.%pnpinfo: _HID=PNP0A08 _UID=128
dev.pci.10.%parent: acpi0
dev.pci.11.%desc: ACPI PCI-PCI bridge
dev.pci.11.%driver: pcib
dev.pci.11.%location: slot=0 function=0 handle=\_SB_.PCI1.NPE0
dev.pci.11.%pnpinfo: vendor=0x8086 device=0x0e01 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.11.%parent: pci128
dev.pci.11.domain: 0
dev.pci.11.pribus: 128
dev.pci.11.secbus: 129
dev.pci.11.subbus: 129
dev.pci.12.%desc: ACPI PCI-PCI bridge
dev.pci.12.%driver: pcib
dev.pci.12.%location: slot=2 function=0 handle=\_SB_.PCI1.NPE3
dev.pci.12.%pnpinfo: vendor=0x8086 device=0x0e04 subvendor=0x1bcf subdevice=0x803f class=0x060400
dev.pci.12.%parent: pci128
dev.pci.12.domain: 0
dev.pci.12.pribus: 128
dev.pci.12.secbus: 132
dev.pci.12.subbus: 144
dev.pci.12.wake: 0
dev.pci.13.%desc: ACPI Host-PCI bridge
dev.pci.13.%driver: pcib
dev.pci.13.%location: handle=\_SB_.UNC1
dev.pci.13.%pnpinfo: _HID=PNP0A03 _UID=255
dev.pci.13.%parent: acpi0
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%parent: pcib0
dev.pci.33.%desc: ACPI PCI bus
dev.pci.33.%driver: pci
dev.pci.33.%parent: pcib1
dev.pci.33.wake: 0
dev.pci.37.%desc: ACPI PCI bus
dev.pci.37.%driver: pci
dev.pci.37.%parent: pcib2
dev.pci.37.wake: 0
dev.pci.45.%desc: ACPI PCI bus
dev.pci.45.%driver: pci
dev.pci.45.%parent: pcib3
dev.pci.45.wake: 0
dev.pci.3.%desc: ACPI PCI bus
dev.pci.3.%driver: pci
dev.pci.3.%parent: pcib4
dev.pci.3.wake: 0
dev.pci.58.%desc: ACPI PCI bus
dev.pci.58.%driver: pci
dev.pci.58.%parent: pcib5
dev.pci.2.%desc: ACPI PCI bus
dev.pci.2.%driver: pci
dev.pci.2.%parent: pcib6
dev.pci.2.wake: 0
dev.pci.5.%desc: ACPI PCI bus
dev.pci.5.%driver: pci
dev.pci.5.%parent: pcib7
dev.pci.5.wake: 0
dev.pci.60.%desc: ACPI PCI bus
dev.pci.60.%driver: pci
dev.pci.60.%parent: pcib8
dev.pci.60.wake: 0
dev.pci.127.%desc: ACPI PCI bus
dev.pci.127.%driver: pci
dev.pci.127.%parent: pcib9
dev.pci.128.%desc: ACPI PCI bus
dev.pci.128.%driver: pci
dev.pci.128.%parent: pcib10
dev.pci.129.%desc: ACPI PCI bus
dev.pci.129.%driver: pci
dev.pci.129.%parent: pcib11
dev.pci.132.%desc: ACPI PCI bus
dev.pci.132.%driver: pci
dev.pci.132.%parent: pcib12
dev.pci.132.wake: 0
dev.pci.255.%desc: ACPI PCI bus
dev.pci.255.%driver: pci
dev.pci.255.%parent: pcib13
dev.hostb.0.%desc: Host to PCI bridge
dev.hostb.0.%driver: hostb
dev.hostb.0.%location: slot=0 function=0
dev.hostb.0.%pnpinfo: vendor=0x8086 device=0x0e00 subvendor=0x1bcf subdevice=0x803f class=0x060000
dev.hostb.0.%parent: pci0
dev.mfi.0.%desc: ThunderBolt
dev.mfi.0.%driver: mfi
dev.mfi.0.%location: slot=0 function=0 handle=\_SB_.PCI0.NPE1.BR35
dev.mfi.0.%pnpinfo: vendor=0x005b subvendor=0x1000 subdevice=0x9272 class=0x010400
dev.mfi.0.%parent: pci33
dev.mfi.0.delete_busy_volumes: 0

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dev.mfi.0.keep_deleted_volumes: 0
dev.bge.0.%desc: 1000BASE-T_Adapter(2ch), ASIC rev. 0x5717100
dev.bge.0.%driver: bge
dev.bge.0.%location: slot=0 function=0
dev.bge.0.%pninfo: vendor=0x14e4 device=0x1656 subvendor=0x1bcf subdevice=0x8013 class=0x020000
dev.bge.0.%parent: pci45
dev.bge.0.forced_collapse: 0
dev.bge.0.msi: 1
dev.bge.0.forced_udpcsum: 0
dev.bge.0.stats.FramesDroppedDueToFilters: 0
dev.bge.0.stats.DmaWriteQueueFull: 0
dev.bge.0.stats.DmaWriteHighPriQueueFull: 0
dev.bge.0.stats.NoMoreRxBDs: 0
dev.bge.0.stats.InputDiscards: 0
dev.bge.0.stats.InputErrors: 0
dev.bge.0.stats.RecvThresholdHit: 0
dev.bge.0.stats.rx.ifHCInOctets: 0
dev.bge.0.stats.rx.Fragments: 0
dev.bge.0.stats.rx.UnicastPkts: 0
dev.bge.0.stats.rx.MulticastPkts: 0
dev.bge.0.stats.rx.BroadcastPkts: 0
dev.bge.0.stats.rx.FCSErrors: 0
dev.bge.0.stats.rx.AlignmentErrors: 0
dev.bge.0.stats.rx.xonPauseFramesReceived: 0
dev.bge.0.stats.rx.xoffPauseFramesReceived: 0
dev.bge.0.stats.rx.ControlFramesReceived: 0
dev.bge.0.stats.rx.xoffStateEntered: 0
dev.bge.0.stats.rx.FramesTooLong: 0
dev.bge.0.stats.rx.Jabbers: 0
dev.bge.0.stats.rx.UndersizePkts: 0
dev.bge.0.stats.tx.ifHCOctets: 0
dev.bge.0.stats.tx.Collisions: 0
dev.bge.0.stats.tx.XonSent: 0
dev.bge.0.stats.tx.XoffSent: 0
dev.bge.0.stats.tx.InternalMacTransmitErrors: 0
dev.bge.0.stats.tx.SingleCollisionFrames: 0
dev.bge.0.stats.tx.MultipleCollisionFrames: 0
dev.bge.0.stats.tx.DeferredTransmissions: 0
dev.bge.0.stats.tx.ExcessiveCollisions: 0
dev.bge.0.stats.tx.LateCollisions: 0
dev.bge.0.stats.tx.UnicastPkts: 0
dev.bge.0.stats.tx.MulticastPkts: 0
dev.bge.0.stats.tx.BroadcastPkts: 0
dev.bge.1.%desc: 1000BASE-T_Adapter(2ch), ASIC rev. 0x5717100
dev.bge.1.%driver: bge
dev.bge.1.%location: slot=0 function=1
dev.bge.1.%pninfo: vendor=0x14e4 device=0x1656 subvendor=0x1bcf subdevice=0x8013 class=0x020000
dev.bge.1.%parent: pci45
dev.bge.1.forced_collapse: 0
dev.bge.1.msi: 1
dev.bge.1.forced_udpcsum: 0
dev.bge.1.stats.FramesDroppedDueToFilters: 0
dev.bge.1.stats.DmaWriteQueueFull: 0
dev.bge.1.stats.DmaWriteHighPriQueueFull: 0
dev.bge.1.stats.NoMoreRxBDs: 0
dev.bge.1.stats.InputDiscards: 0
dev.bge.1.stats.InputErrors: 0
dev.bge.1.stats.RecvThresholdHit: 0
dev.bge.1.stats.rx.ifHCInOctets: 0
dev.bge.1.stats.rx.Fragments: 0
dev.bge.1.stats.rx.UnicastPkts: 0
dev.bge.1.stats.rx.MulticastPkts: 0
dev.bge.1.stats.rx.BroadcastPkts: 0
dev.bge.1.stats.rx.FCSErrors: 0
dev.bge.1.stats.rx.AlignmentErrors: 0
dev.bge.1.stats.rx.xonPauseFramesReceived: 0
dev.bge.1.stats.rx.xoffPauseFramesReceived: 0
dev.bge.1.stats.rx.ControlFramesReceived: 0
dev.bge.1.stats.rx.xoffStateEntered: 0
dev.bge.1.stats.rx.FramesTooLong: 0
dev.bge.1.stats.rx.Jabbers: 0
dev.bge.1.stats.rx.UndersizePkts: 0
dev.bge.1.stats.tx.ifHCOctets: 0
dev.bge.1.stats.tx.Collisions: 0
dev.bge.1.stats.tx.XonSent: 0
dev.bge.1.stats.tx.XoffSent: 0
dev.bge.1.stats.tx.InternalMacTransmitErrors: 0
dev.bge.1.stats.tx.SingleCollisionFrames: 0
dev.bge.1.stats.tx.MultipleCollisionFrames: 0
dev.bge.1.stats.tx.DeferredTransmissions: 0
dev.bge.1.stats.tx.ExcessiveCollisions: 0
dev.bge.1.stats.tx.LateCollisions: 0
dev.bge.1.stats.tx.UnicastPkts: 0
dev.bge.1.stats.tx.MulticastPkts: 0
dev.bge.1.stats.tx.BroadcastPkts: 0
dev.bge.2.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5717100
dev.bge.2.%driver: bge
dev.bge.2.%location: slot=0 function=0 handle=\_SB_.PCI0.PEX0.LAN1
dev.bge.2.%pninfo: vendor=0x14e4 device=0x1656 subvendor=0x1bcf subdevice=0x803f class=0x020000
dev.bge.2.%parent: pci2
dev.bge.2.forced_collapse: 0
dev.bge.2.msi: 1
dev.bge.2.forced_udpcsum: 0
dev.bge.2.stats.FramesDroppedDueToFilters: 0
dev.bge.2.stats.DmaWriteQueueFull: 0
dev.bge.2.stats.DmaWriteHighPriQueueFull: 0
dev.bge.2.stats.NoMoreRxBDs: 0

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dev.bge.2.stats.InputDiscards: 0
dev.bge.2.stats.InputErrors: 0
dev.bge.2.stats.RecvThresholdHit: 0
dev.bge.2.stats.rx.ifHCInOctets: 0
dev.bge.2.stats.rx.Fragments: 0
dev.bge.2.stats.rx.UnicastPkts: 0
dev.bge.2.stats.rx.MulticastPkts: 0
dev.bge.2.stats.rx.BroadcastPkts: 0
dev.bge.2.stats.rx.FCSErrors: 0
dev.bge.2.stats.rx.AlignmentErrors: 0
dev.bge.2.stats.rx.xonPauseFramesReceived: 0
dev.bge.2.stats.rx.xoffPauseFramesReceived: 0
dev.bge.2.stats.rx.ControlFramesReceived: 0
dev.bge.2.stats.rx.xoffStateEntered: 0
dev.bge.2.stats.rx.FramesTooLong: 0
dev.bge.2.stats.rx.Jabbers: 0
dev.bge.2.stats.rx.UndersizePkts: 0
dev.bge.2.stats.tx.ifHCOutOctets: 0
dev.bge.2.stats.tx.Collisions: 0
dev.bge.2.stats.tx.XonSent: 0
dev.bge.2.stats.tx.XoffSent: 0
dev.bge.2.stats.tx.InternalMacTransmitErrors: 0
dev.bge.2.stats.tx.SingleCollisionFrames: 0
dev.bge.2.stats.tx.MultipleCollisionFrames: 0
dev.bge.2.stats.tx.DeferredTransmissions: 0
dev.bge.2.stats.tx.ExcessiveCollisions: 0
dev.bge.2.stats.tx.LateCollisions: 0
dev.bge.2.stats.tx.UnicastPkts: 0
dev.bge.2.stats.tx.MulticastPkts: 0
dev.bge.2.stats.tx.BroadcastPkts: 0
dev.bge.2.wake: 0
dev.bge.3.%desc: Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5717100
dev.bge.3.%driver: bge
dev.bge.3.%location: slot=0 function=1 handle=_\SB_.PCI0.PEX0.LAN2
dev.bge.3.%pnpinfo: vendor=0x14e4 device=0x1656 subvendor=0x1bcf subdevice=0x803f class=0x020000
dev.bge.3.%parent: pci2
dev.bge.3.forced_collapse: 0
dev.bge.3.msi: 1
dev.bge.3.forced_udpcsum: 0
dev.bge.3.stats.FramesDroppedDueToFilters: 0
dev.bge.3.stats.DmaWriteQueueFull: 0
dev.bge.3.stats.DmaWriteHighPriQueueFull: 0
dev.bge.3.stats.NoMoreRxBDs: 0
dev.bge.3.stats.InputDiscards: 0
dev.bge.3.stats.InputErrors: 0
dev.bge.3.stats.RecvThresholdHit: 0
dev.bge.3.stats.rx.ifHCInOctets: 0
dev.bge.3.stats.rx.Fragments: 0
dev.bge.3.stats.rx.UnicastPkts: 0
dev.bge.3.stats.rx.MulticastPkts: 0
dev.bge.3.stats.rx.BroadcastPkts: 0
dev.bge.3.stats.rx.FCSErrors: 0
dev.bge.3.stats.rx.AlignmentErrors: 0
dev.bge.3.stats.rx.xonPauseFramesReceived: 0
dev.bge.3.stats.rx.xoffPauseFramesReceived: 0
dev.bge.3.stats.rx.ControlFramesReceived: 0
dev.bge.3.stats.rx.xoffStateEntered: 0
dev.bge.3.stats.rx.FramesTooLong: 0
dev.bge.3.stats.rx.Jabbers: 0
dev.bge.3.stats.rx.UndersizePkts: 0
dev.bge.3.stats.tx.ifHCOutOctets: 0
dev.bge.3.stats.tx.Collisions: 0
dev.bge.3.stats.tx.XonSent: 0
dev.bge.3.stats.tx.XoffSent: 0
dev.bge.3.stats.tx.InternalMacTransmitErrors: 0
dev.bge.3.stats.tx.SingleCollisionFrames: 0
dev.bge.3.stats.tx.MultipleCollisionFrames: 0
dev.bge.3.stats.tx.DeferredTransmissions: 0
dev.bge.3.stats.tx.ExcessiveCollisions: 0
dev.bge.3.stats.tx.LateCollisions: 0
dev.bge.3.stats.tx.UnicastPkts: 0
dev.bge.3.stats.tx.MulticastPkts: 0
dev.bge.3.stats.tx.BroadcastPkts: 0
dev.bge.3.wake: 0
dev.miibus.0.%desc: MII bus
dev.miibus.0.%driver: miibus
dev.miibus.0.%parent: bge0
dev.miibus.1.%desc: MII bus
dev.miibus.1.%driver: miibus
dev.miibus.1.%parent: bge1
dev.miibus.2.%desc: MII bus
dev.miibus.2.%driver: miibus
dev.miibus.2.%parent: bge2
dev.miibus.3.%desc: MII bus
dev.miibus.3.%driver: miibus
dev.miibus.3.%parent: bge3
dev.brgphy.0.%desc: BCM5717C 1000BASE-T media interface
dev.brgphy.0.%driver: brgphy
dev.brgphy.0.%location: phyno=1
dev.brgphy.0.%pnpinfo: oui=0x1be9 model=0x20 rev=0x0
dev.brgphy.0.%parent: miibus0
dev.brgphy.1.%desc: BCM5717C 1000BASE-T media interface
dev.brgphy.1.%driver: brgphy
dev.brgphy.1.%location: phyno=2
dev.brgphy.1.%pnpinfo: oui=0x1be9 model=0x20 rev=0x0
dev.brgphy.1.%parent: miibus1
dev.brgphy.2.%desc: BCM5717C 1000BASE-T media interface

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dev.brgphy.2.%driver: brgphy
dev.brgphy.2.%location: phyno=1
dev.brgphy.2.%pnpinfo: oui=0x1be9 model=0x20 rev=0x0
dev.brgphy.2.%parent: miibus2
dev.brgphy.3.%desc: BCM5717C 1000BASE-T media interface
dev.brgphy.3.%driver: brgphy
dev.brgphy.3.%location: phyno=2
dev.brgphy.3.%pnpinfo: oui=0x1be9 model=0x20 rev=0x0
dev.brgphy.3.%parent: miibus3
dev.ioapic.0.%desc: IO(x) APIC
dev.ioapic.0.%driver: ioapic
dev.ioapic.0.%location: slot=5 function=4
dev.ioapic.0.%pnpinfo: vendor=0x8086 device=0x0e2c subvendor=0x1bcf subdevice=0x803f class=0x080020
dev.ioapic.0.%parent: pci0
dev.ioapic.1.%desc: IO(x) APIC
dev.ioapic.1.%driver: ioapic
dev.ioapic.1.%location: slot=5 function=4
dev.ioapic.1.%pnpinfo: vendor=0x8086 device=0x0e2c subvendor=0x1bcf subdevice=0x803f class=0x080020
dev.ioapic.1.%parent: pci128
dev.ehci.0.%desc: EHCI (generic) USB 2.0 controller
dev.ehci.0.%driver: ehci
dev.ehci.0.%location: slot=26 function=0 handle=_SB_.PCI0.USBE
dev.ehci.0.%pnpinfo: vendor=0x8086 device=0x1d2d subvendor=0x1bcf subdevice=0x803f class=0x0c0320
dev.ehci.0.%parent: pci0
dev.ehci.0.wake: 0
dev.ehci.1.%desc: EHCI (generic) USB 2.0 controller
dev.ehci.1.%driver: ehci
dev.ehci.1.%location: slot=29 function=0 handle=_SB_.PCI0.EUSB
dev.ehci.1.%pnpinfo: vendor=0x8086 device=0x1d26 subvendor=0x1bcf subdevice=0x803f class=0x0c0320
dev.ehci.1.%parent: pci0
dev.ehci.1.wake: 0
dev.usbus.0.%driver: usb
dev.usbus.0.%parent: ehci0
dev.usbus.1.%driver: usb
dev.usbus.1.%parent: ehci1
dev.vgapci.0.%desc: VGA-compatible display
dev.vgapci.0.%driver: vgapci
dev.vgapci.0.%location: slot=0 function=0
dev.vgapci.0.%pnpinfo: vendor=0x102b device=0x0522 subvendor=0x1bcf subdevice=0x803f class=0x030000
dev.vgapci.0.%parent: pci5
dev.isab.0.%desc: PCI-ISA bridge
dev.isab.0.%driver: isab
dev.isab.0.%location: slot=31 function=0 handle=_SB_.PCI0.SBRG
dev.isab.0.%pnpinfo: vendor=0x8086 device=0x1d41 subvendor=0x1bcf subdevice=0x803f class=0x060100
dev.isab.0.%parent: pci0
dev.isa.0.%desc: ISA bus
dev.isa.0.%driver: isa
dev.isa.0.%parent: isab0
dev.atapci.0.%desc: Intel Patsburg SATA300 controller
dev.atapci.0.%driver: atapci
dev.atapci.0.%location: slot=31 function=2 handle=_SB_.PCI0.SAT0
dev.atapci.0.%pnpinfo: vendor=0x8086 device=0x1d00 subvendor=0x1bcf subdevice=0x803f class=0x01018f
dev.atapci.0.%parent: pci0
dev.atapci.1.%desc: Intel Patsburg SATA300 controller
dev.atapci.1.%driver: atapci
dev.atapci.1.%location: slot=31 function=5 handle=_SB_.PCI0.SAT1
dev.atapci.1.%pnpinfo: vendor=0x8086 device=0x1d08 subvendor=0x1bcf subdevice=0x803f class=0x01018f
dev.atapci.1.%parent: pci0
dev.ata.2.%desc: ATA channel
dev.ata.2.%driver: ata
dev.ata.2.%location: channel=0
dev.ata.2.%parent: atapci0
dev.ata.3.%desc: ATA channel
dev.ata.3.%driver: ata
dev.ata.3.%location: channel=1
dev.ata.3.%parent: atapci0
dev.ata.4.%desc: ATA channel
dev.ata.4.%driver: ata
dev.ata.4.%location: channel=0
dev.ata.4.%parent: atapci1
dev.ata.5.%desc: ATA channel
dev.ata.5.%driver: ata
dev.ata.5.%location: channel=1
dev.ata.5.%parent: atapci1
dev.acpi_button.0.%desc: Power Button
dev.acpi_button.0.%driver: acpi_button
dev.acpi_button.0.%location: handle=_SB_.PWRB
dev.acpi_button.0.%pnpinfo: _HID=PNP0C0C _UID=170
dev.acpi_button.0.%parent: acpi0
dev.uart.0.%desc: 16550 or compatible
dev.uart.0.%driver: uart
dev.uart.0.%location: handle=_SB_.PCI0.SBRG.UAR1
dev.uart.0.%pnpinfo: _HID=PNP0501 _UID=1
dev.uart.0.%parent: acpi0
dev.uart.0.wake: 0
dev.uart.1.%desc: 16550 or compatible
dev.uart.1.%driver: uart
dev.uart.1.%location: handle=_SB_.PCI0.SBRG.UAR2
dev.uart.1.%pnpinfo: _HID=PNP0501 _UID=2
dev.uart.1.%parent: acpi0
dev.uart.1.wake: 0
dev.atdma.0.%desc: AT DMA controller
dev.atdma.0.%driver: atdma
dev.atdma.0.%location: handle=_SB_.PCI0.SBRG.DMAD
dev.atdma.0.%pnpinfo: _HID=PNP0200 _UID=0
dev.atdma.0.%parent: acpi0
dev.fpuvnp.0.%desc: Legacy ISA coprocessor support

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dev.fpupnp.0.%driver: fpupnp
dev.fpupnp.0.%location: handle=\_SB_.PCI0.SBRG.COPR
dev.fpupnp.0.%pnpinfo: _HID=PNP0C04 _UID=0
dev.fpupnp.0.%parent: acpi0
dev.apic.0.%desc: APIC resources
dev.apic.0.%driver: apic
dev.apic.0.%parent: nexus0
dev.orm.0.%desc: ISA Option ROM
dev.orm.0.%driver: orm
dev.orm.0.%parent: isa0
dev.sc.0.%desc: System console
dev.sc.0.%driver: sc
dev.sc.0.%parent: isa0
dev.vga.0.%desc: Generic ISA VGA
dev.vga.0.%driver: vga
dev.vga.0.%parent: isa0
dev.acpi_perf.0.%driver: acpi_perf
dev.acpi_perf.0.%parent: cpu0
dev.acpi_perf.1.%driver: acpi_perf
dev.acpi_perf.1.%parent: cpu1
dev.acpi_perf.2.%driver: acpi_perf
dev.acpi_perf.2.%parent: cpu2
dev.acpi_perf.3.%driver: acpi_perf
dev.acpi_perf.3.%parent: cpu3
dev.acpi_perf.4.%driver: acpi_perf
dev.acpi_perf.4.%parent: cpu4
dev.acpi_perf.5.%driver: acpi_perf
dev.acpi_perf.5.%parent: cpu5
dev.acpi_perf.6.%driver: acpi_perf
dev.acpi_perf.6.%parent: cpu6
dev.acpi_perf.7.%driver: acpi_perf
dev.acpi_perf.7.%parent: cpu7
dev.est.0.%desc: Enhanced SpeedStep Frequency Control
dev.est.0.%driver: est
dev.est.0.%parent: cpu0
dev.est.0.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.1.%desc: Enhanced SpeedStep Frequency Control
dev.est.1.%driver: est
dev.est.1.%parent: cpu1
dev.est.1.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.2.%desc: Enhanced SpeedStep Frequency Control
dev.est.2.%driver: est
dev.est.2.%parent: cpu2
dev.est.2.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.3.%desc: Enhanced SpeedStep Frequency Control
dev.est.3.%driver: est
dev.est.3.%parent: cpu3
dev.est.3.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.4.%desc: Enhanced SpeedStep Frequency Control
dev.est.4.%driver: est
dev.est.4.%parent: cpu4
dev.est.4.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.5.%desc: Enhanced SpeedStep Frequency Control
dev.est.5.%driver: est
dev.est.5.%parent: cpu5
dev.est.5.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.6.%desc: Enhanced SpeedStep Frequency Control
dev.est.6.%driver: est
dev.est.6.%parent: cpu6
dev.est.6.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.est.7.%desc: Enhanced SpeedStep Frequency Control
dev.est.7.%driver: est
dev.est.7.%parent: cpu7
dev.est.7.freq_settings: 2500/80000 2400/75926 2300/71931 2200/68012 2100/64170 2000/60403 1900/56724 1800/53106 1700/49562 1600/46091 1500/42693 1400/39375 1300/36119 1200/32934
dev.cpubfreq.0.%driver: cpufreq
dev.cpubfreq.0.%parent: cpu0
dev.cpubfreq.1.%driver: cpufreq
dev.cpubfreq.1.%parent: cpu1
dev.cpubfreq.2.%driver: cpufreq
dev.cpubfreq.2.%parent: cpu2
dev.cpubfreq.3.%driver: cpufreq
dev.cpubfreq.3.%parent: cpu3
dev.cpubfreq.4.%driver: cpufreq
dev.cpubfreq.4.%parent: cpu4
dev.cpubfreq.5.%driver: cpufreq
dev.cpubfreq.5.%parent: cpu5
dev.cpubfreq.6.%driver: cpufreq
dev.cpubfreq.6.%parent: cpu6
dev.cpubfreq.7.%driver: cpufreq
dev.cpubfreq.7.%parent: cpu7
dev.p4tcc.0.%desc: CPU Frequency Thermal Control
dev.p4tcc.0.%driver: p4tcc
dev.p4tcc.0.%parent: cpu0
dev.p4tcc.0.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.1.%desc: CPU Frequency Thermal Control
dev.p4tcc.1.%driver: p4tcc
dev.p4tcc.1.%parent: cpu1
dev.p4tcc.1.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.2.%desc: CPU Frequency Thermal Control

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dev.p4tcc.2.%driver: p4tcc
dev.p4tcc.2.%parent: cpu2
dev.p4tcc.2.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.3.%desc: CPU Frequency Thermal Control
dev.p4tcc.3.%driver: p4tcc
dev.p4tcc.3.%parent: cpu3
dev.p4tcc.3.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.4.%desc: CPU Frequency Thermal Control
dev.p4tcc.4.%driver: p4tcc
dev.p4tcc.4.%parent: cpu4
dev.p4tcc.4.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.5.%desc: CPU Frequency Thermal Control
dev.p4tcc.5.%driver: p4tcc
dev.p4tcc.5.%parent: cpu5
dev.p4tcc.5.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.6.%desc: CPU Frequency Thermal Control
dev.p4tcc.6.%driver: p4tcc
dev.p4tcc.6.%parent: cpu6
dev.p4tcc.6.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.7.%desc: CPU Frequency Thermal Control
dev.p4tcc.7.%driver: p4tcc
dev.p4tcc.7.%parent: cpu7
dev.p4tcc.7.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.uhub.0.%desc: Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.0.%driver: uhub
dev.uhub.0.%parent: usb1
dev.uhub.1.%desc: Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.1.%driver: uhub
dev.uhub.1.%parent: usb0
dev.uhub.2.%desc: vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2
dev.uhub.2.%driver: uhub
dev.uhub.2.%location: bus=1 hubaddr=1 port=1 devaddr=2 interface=0
dev.uhub.2.%pnpinfo: vendor=0x8087 product=0x0024 devclass=0x09 devsubclass=0x00 sernum="" release=0x0000 mode=host intclass=0x09 intsubclass=0x00 intprotocol=0x00
dev.uhub.2.%parent: uhub0
dev.uhub.3.%desc: vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2
dev.uhub.3.%driver: uhub
dev.uhub.3.%location: bus=1 hubaddr=1 port=0 devaddr=2 interface=0
dev.uhub.3.%pnpinfo: vendor=0x8087 product=0x0024 devclass=0x09 devsubclass=0x00 sernum="" release=0x0000 mode=host intclass=0x09 intsubclass=0x00 intprotocol=0x00
dev.uhub.3.%parent: uhub1
dev.uhub.4.%desc: Chicony Generic USB Hub, class 9/0, rev 1.10/1.02, addr 3
dev.uhub.4.%driver: uhub
dev.uhub.4.%location: bus=2 hubaddr=2 port=0 devaddr=3 interface=0
dev.uhub.4.%pnpinfo: vendor=0x04fe product=0x0008 devclass=0x09 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x09 intsubclass=0x00 intprotocol=0x00
dev.uhub.4.%parent: uhub3
dev.mfid.0.%driver: mfid
dev.mfid.0.%parent: mfi0
dev.ukbd.0.%desc: Keyboard Interface
dev.ukbd.0.%driver: ukbd
dev.ukbd.0.%location: bus=2 hubaddr=1 port=1 devaddr=3 interface=0
dev.ukbd.0.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03 intsubclass=0x01 intprotocol=0x01
dev.ukbd.0.%parent: uhub2
dev.ukbd.1.%desc: Chicony product 0x0006, class 0/0, rev 1.10/1.02, addr 4
dev.ukbd.1.%driver: ukbd
dev.ukbd.1.%location: bus=3 hubaddr=1 port=0 devaddr=4 interface=0
dev.ukbd.1.%pnpinfo: vendor=0x04fe product=0x0006 devclass=0x00 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x03 intsubclass=0x01 intprotocol=0x01
dev.ukbd.1.%parent: uhub4
dev.ums.0.%desc: Mouse Interface
dev.ums.0.%driver: ums
dev.ums.0.%location: bus=2 hubaddr=1 port=1 devaddr=3 interface=1
dev.ums.0.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03 intsubclass=0x01 intprotocol=0x02
dev.ums.0.%parent: uhub2
dev.ums.0.parseinfo: i1: Z:r0, p40, s8; B1:r0, p0, s1; B2:r0, p1, s1; B3:r0, p2, s1;
dev.umass.0.%desc: UFD 2.0 Silicon-Power32G, class 0/0, rev 2.00/11.00, addr 5
dev.umass.0.%driver: umass
dev.umass.0.%location: bus=2 hubaddr=4 port=0 devaddr=5 interface=0
dev.umass.0.%pnpinfo: vendor=0x090c product=0x1000 devclass=0x00 devsubclass=0x00 sernum="1205010002800314" release=0x1100 mode=host intclass=0x08 intsubclass=0x06
intprotocol=0x50
dev.umass.0.%parent: uhub3
hptmv.status: RocketRAID 18xx SATA Controller driver Version v1.16

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システム起動時メッセージ

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FreeBSD is a registered trademark of The FreeBSD Foundation.
FreeBSD 10.0-RELEASE #0 r260789: Thu Jan 16 22:34:59 UTC 2014
    root@snap.freebsd.org:/usr/obj/usr/src/sys/GENERIC amd64
FreeBSD clang version 3.3 (tags/RELEASE_33/final 183502) 20130610
CPU: Intel(R) Xeon(R) CPU E5-2609 v2 @ 2.50GHz (2500.05-MHz K8-class CPU)
    Origin = "GenuineIntel" Id = 0x306e4 Family = 0x6 Model = 0x3e Stepping = 4
    Features=0xbfebfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,DTS,ACPI,MMX,FXSR,SSE,SSE2,SS,HTT,TM,PBE>

Features2=0x7fbee3ff<SSE3,PCLMULQDQ,DTES64,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,CX16,xTPR,PCDM,PCID,DCA,SSE4.1,SSE4.2,x2APIC,POPCNT,TSCDLT,AESNI,XSAVE,OSXSAVE,AVX,F16C,RDRAND>
AMD Features=0x2c100800<SYSCALL,NX,Page1GB,RDTSCP,LB>
AMD Features2=0x1<LAHF>
Standard Extended Features=0x281<GSFSBASE,SMEP,ENHMOVSB>
TSC: P-state invariant, performance statistics
real memory = 17179869184 (16384 MB)
avail memory = 16502849536 (15738 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <ALASKA 0645 >
FreeBSD/SMP: Multiprocessor System Detected: 8 CPUs
FreeBSD/SMP: 2 package(s) x 4 core(s)
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 2
cpu2 (AP): APIC ID: 4
cpu3 (AP): APIC ID: 6
cpu4 (AP): APIC ID: 32
cpu5 (AP): APIC ID: 34
cpu6 (AP): APIC ID: 36
cpu7 (AP): APIC ID: 38
ioapic0 <Version 2.0> irqs 0-23 on motherboard
ioapic1 <Version 2.0> irqs 24-47 on motherboard
ioapic2 <Version 2.0> irqs 48-71 on motherboard
kbd1 at kbdmux0
random: <Software, Yarrow> initialized
acpi0: <ALASKA 0645> on motherboard
acpi0: Power Button (fixed)
acpi0: reservation of 0, a0000 (3) failed
cpu0: <ACPI CPU> on acpi0
cpu1: <ACPI CPU> on acpi0
cpu2: <ACPI CPU> on acpi0
cpu3: <ACPI CPU> on acpi0
cpu4: <ACPI CPU> on acpi0
cpu5: <ACPI CPU> on acpi0
cpu6: <ACPI CPU> on acpi0
cpu7: <ACPI CPU> on acpi0
attimer0: <AT timer> port 0x40-0x43 irq 0 on acpi0
Timecounter "i8254" frequency 1193182 Hz quality 0
Event timer "i8254" frequency 1193182 Hz quality 100
atrtc0: <AT realtime clock> port 0x70-0x71 irq 8 on acpi0
Event timer "RTC" frequency 32768 Hz quality 0
hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
Timecounter "HPET" frequency 14318180 Hz quality 950
Event timer "HPET" frequency 14318180 Hz quality 550
Timecounter "ACPI-fast" frequency 3579545 Hz quality 900
acpi_timer0: <24-bit timer at 3.579545MHz> port 0x408-0x40b on acpi0
pcib0: <ACPI Host-PCI bridge> port 0xcf8-0xcff on acpi0
pci0: <ACPI PCI bus> on pcib0
pcib1: <ACPI PCI-PCI bridge> irq 26 at device 1.0 on pci0
pci33: <ACPI PCI bus> on pcib1
mfi0: <ThunderBolt> port 0x8000-0x80ff mem 0xdfb60000-0xdfb63fff,0xdfb00000-0xdfb3ffff irq 26 at device 0.0 on pci33
mfi0: Using MSI
mfi0: Megaraid SAS driver Ver 4.23
mfi0: FW MaxCmds = 1008, limiting to 128
mfi0: MaxCmd = 1008, Drv MaxCmd = 128, MaxSgl = 70, state = 0xb75003f0
pcib2: <ACPI PCI-PCI bridge> irq 32 at device 2.0 on pci0
pci37: <ACPI PCI bus> on pcib2
pcib3: <ACPI PCI-PCI bridge> irq 40 at device 3.0 on pci0
pci45: <ACPI PCI bus> on pcib3
bge0: <1000BASE-T Adapter(2ch), ASIC rev. 0x5717100> mem 0xdfe50000-0xdfe5ffff,0xdfe40000-0xdfe4ffff,0xdfe30000-0xdfe3ffff irq 40 at device 0.0 on pci45
bge0: CHIP ID 0x05717100; ASIC REV 0x5717; CHIP REV 0x57171; PCI-E
miibus0: <MII bus> on bge0
brgphy0: <BCM5717C 1000BASE-T media interface> PHY 1 on miibus0
brgphy0: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow
bge0: Ethernet address: 00:25:5c:d4:ec:90
bge1: <1000BASE-T Adapter(2ch), ASIC rev. 0x5717100> mem 0xdfe20000-0xdfe2ffff,0xdfe10000-0xdfe1ffff,0xdfe00000-0xdfe0ffff irq 44 at device 0.1 on pci45
bge1: CHIP ID 0x05717100; ASIC REV 0x5717; CHIP REV 0x57171; PCI-E
miibus1: <MII bus> on bge1
brgphy1: <BCM5717C 1000BASE-T media interface> PHY 2 on miibus1
brgphy1: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow
bge1: Ethernet address: 00:25:5c:d4:ec:91
pcib4: <ACPI PCI-PCI bridge> irq 40 at device 3.2 on pci0
pci3: <ACPI PCI bus> on pcib4
pci0: <base peripheral> at device 4.0 (no driver attached)
pci0: <base peripheral> at device 4.1 (no driver attached)
pci0: <base peripheral> at device 4.2 (no driver attached)
pci0: <base peripheral> at device 4.3 (no driver attached)
pci0: <base peripheral> at device 4.4 (no driver attached)
pci0: <base peripheral> at device 4.5 (no driver attached)
pci0: <base peripheral> at device 4.6 (no driver attached)
pci0: <base peripheral> at device 4.7 (no driver attached)
pci0: <base peripheral> at device 5.0 (no driver attached)
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pci0: <base peripheral> at device 5.2 (no driver attached)
pcib5: <ACPI PCI-PCI bridge> irq 16 at device 17.0 on pci0
pci58: <ACPI PCI bus> on pcib5
pci0: <simple comms> at device 22.0 (no driver attached)
pci0: <simple comms> at device 22.1 (no driver attached)
ehci0: <EHCI (generic) USB 2.0 controller> mem 0xdfc23000-0xdfc233ff irq 22 at device 26.0 on pci0
usb0: EHCI version 1.0
usb0 on ehci0
pcib6: <ACPI PCI-PCI bridge> irq 17 at device 28.0 on pci0
pci2: <ACPI PCI bus> on pcib6
bge2: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5717100> mem 0xdfd50000-0xdfd5ffff,0xdfd40000-0xdfd4ffff,0xdfd30000-0xdfd3ffff irq 16 at device 0.0 on pci2
bge2: APE FW version: NCSI v1.0.88.0
bge2: CHIP ID 0x05717100; ASIC REV 0x5717; CHIP REV 0x57171; PCI-E
miibus2: <MII bus> on bge2
brgphy2: <BCM5717C 1000BASE-T media interface> PHY 1 on miibus2
brgphy2: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow
bge2: Ethernet address: d4:3d:7e:78:58:e8
bge3: <Broadcom NetXtreme Gigabit Ethernet Controller, ASIC rev. 0x5717100> mem 0xdfd20000-0xdfd2ffff,0xdfd10000-0xdfd1ffff,0xdfd00000-0xdfd0ffff irq 17 at device 0.1 on pci2
bge3: APE FW version: NCSI v1.0.88.0
bge3: CHIP ID 0x05717100; ASIC REV 0x5717; CHIP REV 0x57171; PCI-E
miibus3: <MII bus> on bge3
brgphy3: <BCM5717C 1000BASE-T media interface> PHY 2 on miibus3
brgphy3: 10baseT, 10baseT-FDX, 100baseTX, 100baseTX-FDX, 1000baseT, 1000baseT-master, 1000baseT-FDX, 1000baseT-FDX-master, auto, auto-flow
bge3: Ethernet address: d4:3d:7e:78:58:e9
pcib7: <ACPI PCI-PCI bridge> irq 17 at device 28.4 on pci0
pcib7: failed to allocate initial memory window: 0xde000000-0xdf8fffff
pci5: <ACPI PCI bus> on pcib7
vgapci0: <VGA-compatible display> mem 0xde000000-0xdeffff,0xdf000000-0xdf7fffff irq 16 at device 0.0 on pci5
vgapci0: Boot video device
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xdfc22000-0xdfc223ff irq 23 at device 29.0 on pci0
usb1: EHCI version 1.0
usb1 on ehci1
pcib8: <ACPI PCI-PCI bridge> at device 30.0 on pci0
pci60: <ACPI PCI bus> on pcib8
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
atapci0: <Intel Patsburg SATA300 controller> port 0x90d0-0x90d7,0x90c0-0x90c3,0x90b0-0x90b7,0x90a0-0x90a3,0x9090-0x909f,0x9080-0x908f irq 19 at device 31.2 on pci0
ata2: <ATA channel> at channel 0 on atapci0
ata3: <ATA channel> at channel 1 on atapci0
pci0: <serial bus, SMBus> at device 31.3 (no driver attached)
atapci1: <Intel Patsburg SATA300 controller> port 0x9070-0x9077,0x9060-0x9063,0x9050-0x9057,0x9040-0x9043,0x9030-0x903f,0x9020-0x902f irq 19 at device 31.5 on pci0
ata4: <ATA channel> at channel 0 on atapci1
ata5: <ATA channel> at channel 1 on atapci1
pci0: <dasp> at device 31.6 (no driver attached)
pcib9: <ACPI Host-PCI bridge> on acpi0
pci127: <ACPI PCI bus> on pcib9
pci127: <base peripheral> at device 8.0 (no driver attached)
pci127: <base peripheral> at device 9.0 (no driver attached)
pci127: <base peripheral> at device 10.0 (no driver attached)
pci127: <base peripheral> at device 10.1 (no driver attached)
pci127: <base peripheral> at device 10.2 (no driver attached)
pci127: <base peripheral> at device 10.3 (no driver attached)
pci127: <base peripheral> at device 10.4 (no driver attached)
pci127: <base peripheral> at device 11.0 (no driver attached)
pci127: <base peripheral> at device 11.3 (no driver attached)
pci127: <base peripheral> at device 12.0 (no driver attached)
pci127: <base peripheral> at device 12.1 (no driver attached)
pci127: <base peripheral> at device 13.0 (no driver attached)
pci127: <base peripheral> at device 13.1 (no driver attached)
pci127: <base peripheral> at device 14.0 (no driver attached)
pci127: <dasp> at device 14.1 (no driver attached)
pci127: <base peripheral> at device 15.0 (no driver attached)
pci127: <base peripheral> at device 15.1 (no driver attached)
pci127: <base peripheral> at device 15.2 (no driver attached)
pci127: <base peripheral> at device 15.3 (no driver attached)
pci127: <base peripheral> at device 15.4 (no driver attached)
pci127: <base peripheral> at device 15.5 (no driver attached)
pci127: <base peripheral> at device 16.0 (no driver attached)
pci127: <base peripheral> at device 16.1 (no driver attached)
pci127: <base peripheral> at device 16.2 (no driver attached)
pci127: <base peripheral> at device 16.3 (no driver attached)
pci127: <base peripheral> at device 16.4 (no driver attached)
pci127: <base peripheral> at device 16.5 (no driver attached)
pci127: <base peripheral> at device 16.6 (no driver attached)
pci127: <base peripheral> at device 16.7 (no driver attached)
pci127: <base peripheral> at device 19.0 (no driver attached)
pci127: <dasp> at device 19.1 (no driver attached)
pci127: <base peripheral> at device 19.4 (no driver attached)
pci127: <dasp> at device 19.5 (no driver attached)
pci127: <base peripheral> at device 22.0 (no driver attached)
pci127: <base peripheral> at device 22.1 (no driver attached)
pci127: <base peripheral> at device 22.2 (no driver attached)
pcib10: <ACPI Host-PCI bridge> on acpi0
pci128: <ACPI PCI bus> on pcib10
pcib11: <ACPI PCI-PCI bridge> at device 0.0 on pci128
pci129: <ACPI PCI bus> on pcib11
pcib12: <ACPI PCI-PCI bridge> irq 16 at device 2.0 on pci128
pci132: <ACPI PCI bus> on pcib12
pci128: <base peripheral> at device 4.0 (no driver attached)
pci128: <base peripheral> at device 4.1 (no driver attached)
pci128: <base peripheral> at device 4.2 (no driver attached)
pci128: <base peripheral> at device 4.3 (no driver attached)
pci128: <base peripheral> at device 4.4 (no driver attached)
pci128: <base peripheral> at device 4.5 (no driver attached)
pci128: <base peripheral> at device 4.6 (no driver attached)

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pci128: <base peripheral> at device 4.7 (no driver attached)
pci128: <base peripheral> at device 5.0 (no driver attached)
pci128: <base peripheral> at device 5.2 (no driver attached)
pcib13: <ACPI Host-PCI bridge> on acpi0
pci255: <ACPI PCI bus> on pcib13
pci255: <base peripheral> at device 8.0 (no driver attached)
pci255: <base peripheral> at device 9.0 (no driver attached)
pci255: <base peripheral> at device 10.0 (no driver attached)
pci255: <base peripheral> at device 10.1 (no driver attached)
pci255: <base peripheral> at device 10.2 (no driver attached)
pci255: <base peripheral> at device 10.3 (no driver attached)
pci255: <base peripheral> at device 10.4 (no driver attached)
pci255: <base peripheral> at device 11.0 (no driver attached)
pci255: <base peripheral> at device 11.3 (no driver attached)
pci255: <base peripheral> at device 12.0 (no driver attached)
pci255: <base peripheral> at device 12.1 (no driver attached)
pci255: <base peripheral> at device 13.0 (no driver attached)
pci255: <base peripheral> at device 13.1 (no driver attached)
pci255: <base peripheral> at device 14.0 (no driver attached)
pci255: <dasp> at device 14.1 (no driver attached)
pci255: <base peripheral> at device 15.0 (no driver attached)
pci255: <base peripheral> at device 15.1 (no driver attached)
pci255: <base peripheral> at device 15.2 (no driver attached)
pci255: <base peripheral> at device 15.3 (no driver attached)
pci255: <base peripheral> at device 15.4 (no driver attached)
pci255: <base peripheral> at device 15.5 (no driver attached)
pci255: <base peripheral> at device 16.0 (no driver attached)
pci255: <base peripheral> at device 16.1 (no driver attached)
pci255: <base peripheral> at device 16.2 (no driver attached)
pci255: <base peripheral> at device 16.3 (no driver attached)
pci255: <base peripheral> at device 16.4 (no driver attached)
pci255: <base peripheral> at device 16.5 (no driver attached)
pci255: <base peripheral> at device 16.6 (no driver attached)
pci255: <base peripheral> at device 16.7 (no driver attached)
pci255: <base peripheral> at device 19.0 (no driver attached)
pci255: <dasp> at device 19.1 (no driver attached)
pci255: <base peripheral> at device 19.4 (no driver attached)
pci255: <dasp> at device 19.5 (no driver attached)
pci255: <base peripheral> at device 22.0 (no driver attached)
pci255: <base peripheral> at device 22.1 (no driver attached)
pci255: <base peripheral> at device 22.2 (no driver attached)
acpi_button0: <Power Button> on acpi0
uart0: <16550 or compatible> port 0x3f8-0x3ff irq 4 flags 0x10 on acpi0
uart1: <16550 or compatible> port 0x2f8-0x2ff irq 3 on acpi0
orm0: <ISA Option ROM> at iomem 0xc0000-0xc7fff on isa0
sc0: <System console> at flags 0x100 on isa0
sc0: VGA <16 virtual consoles, flags=0x300>
vga0: <Generic ISA VGA> at port 0x3c0-0x3df iomem 0xa0000-0xbffff on isa0
ppc0: cannot reserve I/O port range
est0: <Enhanced SpeedStep Frequency Control> on cpu0
p4tcc0: <CPU Frequency Thermal Control> on cpu0
est1: <Enhanced SpeedStep Frequency Control> on cpu1
p4tcc1: <CPU Frequency Thermal Control> on cpu1
est2: <Enhanced SpeedStep Frequency Control> on cpu2
p4tcc2: <CPU Frequency Thermal Control> on cpu2
est3: <Enhanced SpeedStep Frequency Control> on cpu3
p4tcc3: <CPU Frequency Thermal Control> on cpu3
est4: <Enhanced SpeedStep Frequency Control> on cpu4
p4tcc4: <CPU Frequency Thermal Control> on cpu4
est5: <Enhanced SpeedStep Frequency Control> on cpu5
p4tcc5: <CPU Frequency Thermal Control> on cpu5
est6: <Enhanced SpeedStep Frequency Control> on cpu6
p4tcc6: <CPU Frequency Thermal Control> on cpu6
est7: <Enhanced SpeedStep Frequency Control> on cpu7
p4tcc7: <CPU Frequency Thermal Control> on cpu7
mfi0: 147 (447872743s/0x0020/info) - Shutdown command received from host
mfi0: 148 (boot + 8s/0x0020/info) - Firmware initialization started (PCI ID 005b/1000/9272/1000)
mfi0: 149 (boot + 8s/0x0020/info) - Firmware version 3.230.75-2648
mfi0: 150 (boot + 62s/0x0020/info) - Package version 23.11.0-0034
mfi0: 151 (boot + 62s/0x0020/info) - Board Revision 10B
mfi0: 152 (boot + 80s/0x0020/info) - Inserted: PD 08(e0xfc/s0)
mfi0: 153 (boot + 80s/0x0020/info) - Inserted: PD 08(e0xfc/s0) Info: enclPd=fc, scsiType=0, portMap=00, sasAddr=500000e113db4232,0000000000000000
mfi0: 154 (boot + 81s/0x0020/info) - Patrol Read resumed
mfi0: 155 (447872836s/0x0020/info) - Time established as 03/11/14 17:07:16; (83 seconds since power on)
mfi0: 157 (447872892s/0x0020/info) - Host driver is loaded and operational
Timecounters tick every 1.000 msec
random: unblocking device.
usb0: 480Mbps High Speed USB v2.0
usb1: 480Mbps High Speed USB v2.0
ugen1.1: <Intel> at usb1
uhub0: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb1
ugen0.1: <Intel> at usb0
uhub1: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb0
mfi0 on mfi0
mfi0: 139200MB (285081600 sectors) RAID volume (no label) is optimal
uhub0: 2 ports with 2 removable, self powered
uhub1: 2 ports with 2 removable, self powered
ugen1.2: <vendor 0x8087> at usb1
uhub2: <vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2> on usb1
ugen0.2: <vendor 0x8087> at usb0
uhub3: <vendor 0x8087 product 0x0024, class 9/0, rev 2.00/0.00, addr 2> on usb0
uhub3: 6 ports with 6 removable, self powered
uhub2: 8 ports with 8 removable, self powered
ugen0.3: <Chicony> at usb0
uhub4: <Chicony Generic USB Hub, class 9/0, rev 1.10/1.02, addr 3> on usb0
ugen1.3: <American Megatrends Inc.> at usb1
ukbd0: <Keyboard Interface> on usb1

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kbd0 at ukbd0
uhub4: 3 ports with 2 removable, bus powered
Netvsc initializing... SMP: AP CPU #7 Launched!
SMP: AP CPU #1 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #6 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #4 Launched!
Timecounter "TSC-low" frequency 1250025046 Hz quality 1000
Root mount waiting for: usb0
ugen0.4: <Chicony> at usb0
ukbd1: <Chicony product 0x0006, class 0/0, rev 1.10/1.02, addr 4> on usb0
kbd2 at ukbd1
Trying to mount root from ufs:/dev/mfid0p2 [rw]...
ums0: <Mouse Interface> on usb1
ums0: 3 buttons and [Z] coordinates ID=0
```

PCIバスデータ詳細一覧

```
hostb0@pci:0:0:0:      class=0x060000 card=0x803f1bcf chip=0x0e008086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown DMI2'
class       = bridge
subclass    = HOST-PCI
cap 10[90]  = PCI-Express 2 root port max data 128(128) link x0(x4)
              speed 0.0(2.5) ASPM disabled(L1)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000b[144] = Vendor 1 ID 4
ecap 000b[1d0] = Vendor 1 ID 3
ecap 000b[280] = Vendor 1 ID 5
pcib1@pci:0:1:0:      class=0x060400 card=0x803f1bcf chip=0x0e028086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 0d[40]  = PCI Bridge card=0x803f1bcf
cap 05[60]  = MSI supports 2 messages, vector masks
cap 10[90]  = PCI-Express 2 root port slot max data 256(256) link x8(x8)
              speed 8.0(8.0) ASPM disabled(L1)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
pcib2@pci:0:2:0:      class=0x060400 card=0x803f1bcf chip=0x0e048086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'Ivytown PCI Express Root Port 2a'
class       = bridge
subclass    = PCI-PCI
cap 0d[40]  = PCI Bridge card=0x803f1bcf
cap 05[60]  = MSI supports 2 messages, vector masks
cap 10[90]  = PCI-Express 2 root port slot max data 128(256) link x0(x16)
              speed 0.0(8.0) ASPM disabled(L1)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
pcib3@pci:0:3:0:      class=0x060400 card=0x803f1bcf chip=0x0e088086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'Ivytown PCI Express Root Port 3a'
class       = bridge
subclass    = PCI-PCI
cap 0d[40]  = PCI Bridge card=0x803f1bcf
cap 05[60]  = MSI supports 2 messages, vector masks
cap 10[90]  = PCI-Express 2 root port slot max data 256(256) link x1(x8)
              speed 5.0(8.0) ASPM disabled(L1)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
pcib4@pci:0:3:2:      class=0x060400 card=0x803f1bcf chip=0x0e0a8086 rev=0x04 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'Ivytown PCI Express Root Port 3c'
class       = bridge
subclass    = PCI-PCI
cap 0d[40]  = PCI Bridge card=0x803f1bcf
cap 05[60]  = MSI supports 2 messages, vector masks
cap 10[90]  = PCI-Express 2 root port slot max data 128(256) link x0(x8)
              speed 0.0(8.0) ASPM disabled(L1)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
ecap 000b[100] = Vendor 1 ID 2
ecap 000d[110] = ACS 1
ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000b[1d0] = Vendor 1 ID 3
ecap 0019[250] = PCIe Sec 1 lane errors 0
ecap 000b[280] = Vendor 1 ID 5
none0@pci:0:4:0:      class=0x088000 card=0x803f1bcf chip=0x0e208086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 0'
class       = base peripheral
cap 11[80]  = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
none1@pci:0:4:1:      class=0x088000 card=0x803f1bcf chip=0x0e218086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 1'
class       = base peripheral
cap 11[80]  = MSI-X supports 1 message
              Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90]  = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0]  = powerspec 3 supports D0 D3 current D0
none2@pci:0:4:2:      class=0x088000 card=0x803f1bcf chip=0x0e228086 rev=0x04 hdr=0x00
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vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 2'
class      = base peripheral
cap 11[80] = MSI-X supports 1 message
            Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none3@pci:0:4:3: class=0x088000 card=0x803f1bcf chip=0x0e238086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 3'
class      = base peripheral
cap 11[80] = MSI-X supports 1 message
            Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none4@pci:0:4:4: class=0x088000 card=0x803f1bcf chip=0x0e248086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 4'
class      = base peripheral
cap 11[80] = MSI-X supports 1 message
            Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none5@pci:0:4:5: class=0x088000 card=0x803f1bcf chip=0x0e258086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 5'
class      = base peripheral
cap 11[80] = MSI-X supports 1 message
            Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none6@pci:0:4:6: class=0x088000 card=0x803f1bcf chip=0x0e268086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 6'
class      = base peripheral
cap 11[80] = MSI-X supports 1 message
            Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none7@pci:0:4:7: class=0x088000 card=0x803f1bcf chip=0x0e278086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Crystal Beach DMA Channel 7'
class      = base peripheral
cap 11[80] = MSI-X supports 1 message
            Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none8@pci:0:5:0: class=0x088000 card=0x803f1bcf chip=0x0e288086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown VTd/Memory Map/Misc'
class      = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none9@pci:0:5:2: class=0x088000 card=0x803f1bcf chip=0x0e2a8086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown IIO RAS'
class      = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic@pci:0:5:4: class=0x080020 card=0x803f1bcf chip=0x0e2c8086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown IOAPIC'
class      = base peripheral
subclass   = interrupt controller
cap 10[44] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
pcib5@pci:0:17:0: class=0x060400 card=0x803f1bcf chip=0x1d3e8086 rev=0x05 hdr=0x01
vendor      = 'Intel Corporation'
device      = 'C600/X79 series chipset PCI Express Virtual Root Port'
class      = bridge
subclass   = PCI-PCI
cap 10[40] = PCI-Express 2 root port max data 128(128) link x1(x1)
            speed 2.5(2.5) ASPM disabled(L0s/L1)
cap 01[80] = powerspec 3 supports D0 D3 current D0
cap 0d[88] = PCI Bridge card=0x803f1bcf
cap 05[90] = MSI supports 1 message
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 0 corrected
ecap 000d[138] = ACS 1
none10@pci:0:22:0: class=0x078000 card=0x803f1bcf chip=0x1d3a8086 rev=0x05 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'C600/X79 series chipset MEI Controller'
class      = simple comms
cap 01[50] = powerspec 3 supports D0 D3 current D0
cap 05[8c] = MSI supports 1 message, 64 bit
none11@pci:0:22:1: class=0x078000 card=0x803f1bcf chip=0x1d3b8086 rev=0x05 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'C600/X79 series chipset MEI Controller'
class      = simple comms
cap 01[50] = powerspec 3 supports D0 D3 current D0
cap 05[8c] = MSI supports 1 message, 64 bit
ehci0@pci:0:26:0: class=0x0c0320 card=0x803f1bcf chip=0x1d2d8086 rev=0x05 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'C600/X79 series chipset USB2 Enhanced Host Controller'
class      = serial bus
subclass   = USB
cap 01[50] = powerspec 2 supports D0 D3 current D0
cap 0a[58] = EHCI Debug Port at offset 0xa0 in map 0x14
cap 13[98] = PCI Advanced Features: FLR TP
pcib6@pci:0:28:0: class=0x060400 card=0x803f1bcf chip=0x1d108086 rev=0xb5 hdr=0x01

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vendor = 'Intel Corporation'
device = 'C600/X79 series chipset PCI Express Root Port 1'
class = bridge
subclass = PCI-PCI
cap 10[40] = PCI-Express 2 root port slot max data 128(128) link x1(x1)
speed 5.0(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x803f1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
pcib7@pci:0:28:4: class=0x060400 card=0x803f1bcf chip=0x1d188086 rev=0xb5 hdr=0x01
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset PCI Express Root Port 5'
class = bridge
subclass = PCI-PCI
cap 10[40] = PCI-Express 2 root port slot max data 128(128) link x1(x1)
speed 2.5(5.0) ASPM disabled(L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x803f1bcf
cap 01[a0] = powerspec 2 supports D0 D3 current D0
ehci1@pci:0:29:0: class=0x0c0320 card=0x803f1bcf chip=0x1d268086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset USB2 Enhanced Host Controller'
class = serial bus
subclass = USB
cap 01[50] = powerspec 2 supports D0 D3 current D0
cap 0a[58] = EHCI Debug Port at offset 0xa0 in map 0x14
cap 13[98] = PCI Advanced Features: FLR TP
pcib8@pci:0:30:0: class=0x060401 card=0x803f1bcf chip=0x244e8086 rev=0xa5 hdr=0x01
vendor = 'Intel Corporation'
device = '82801 PCI Bridge'
class = bridge
subclass = PCI-PCI
cap 0d[50] = PCI Bridge card=0x803f1bcf
isab0@pci:0:31:0: class=0x060100 card=0x803f1bcf chip=0x1d418086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset LPC Controller'
class = bridge
subclass = PCI-ISA
cap 09[e0] = vendor (length 12) Intel cap 1 version 0
features: AMT, 4 PCI-e x1 slots
atapci0@pci:0:31:2: class=0x01018f card=0x803f1bcf chip=0x1d008086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset 4-Port SATA IDE Controller'
class = mass storage
subclass = ATA
cap 01[70] = powerspec 3 supports D0 D3 current D0
cap 13[b0] = PCI Advanced Features: FLR TP
none12@pci:0:31:3: class=0x0c0500 card=0x803f1bcf chip=0x1d228086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset SMBus Host Controller'
class = serial bus
subclass = SMBus
atapci1@pci:0:31:5: class=0x010185 card=0x803f1bcf chip=0x1d088086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset 2-Port SATA IDE Controller'
class = mass storage
subclass = ATA
cap 01[70] = powerspec 3 supports D0 D3 current D0
cap 13[b0] = PCI Advanced Features: FLR TP
none13@pci:0:31:6: class=0x118000 card=0x803f1bcf chip=0x1d248086 rev=0x05 hdr=0x00
vendor = 'Intel Corporation'
device = 'C600/X79 series chipset Thermal Management Controller'
class = dasp
cap 01[50] = powerspec 3 supports D0 D3 current D0
mfi0@pci:0:33:0:0: class=0x010400 card=0x92721000 chip=0x005b1000 rev=0x05 hdr=0x00
vendor = 'LSI Logic / Symbios Logic'
device = 'MegaRAID SAS 2208 [Thunderbolt]'
class = mass storage
subclass = RAID
cap 01[50] = powerspec 3 supports D0 D1 D2 D3 current D0
cap 10[68] = PCI-Express 2 endpoint max data 256(4096) FLR link x8(x8)
speed 8.0(8.0) ASPM disabled(L0s)
cap 03[d0] = VPD
cap 05[a8] = MSI supports 1 message, 64 bit enabled with 1 message
cap 11[c0] = MSI-X supports 16 messages
Table in map 0x14[0x2000], PBA in map 0x14[0x3000]
ecap 0001[100] = AER 2 0 fatal 0 non-fatal 1 corrected
ecap 0019[1e0] = PCIe Sec 1 lane errors 0
ecap 0004[1c0] = Power Budgeting 1
ecap 0016[190] = DPA 1
ecap 000e[148] = ARI 1
bge0@pci:0:45:0:0: class=0x020000 card=0x80131bcf chip=0x165614e4 rev=0x10 hdr=0x00
vendor = 'Broadcom Corporation'
device = 'NetXtreme BCM5718 Gigabit Ethernet PCIe'
class = network
subclass = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
Table in map 0x20[0x0], PBA in map 0x20[0x120]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x1)
speed 5.0(5.0) ASPM disabled(L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00000255cd4ec90
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0

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bge1@pci:04:5:0:1:      class=0x020000 card=0x80131bcf chip=0x165614e4 rev=0x10 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5718 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
              Table in map 0x20[0x0], PBA in map 0x20[0x120]
cap 10[ac] = PCI-Express 2 endpoint max data 256(256) FLR link x1(x1)
              speed 5.0(5.0) ASPM disabled(L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 00000255cd4ec91
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0

bge2@pci:02:0:0:      class=0x020000 card=0x803f1bcf chip=0x165614e4 rev=0x10 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5718 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
              Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x1(x1)
              speed 5.0(5.0) ASPM disabled(L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000d43d7e7858e8
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0

bge3@pci:02:0:1:      class=0x020000 card=0x803f1bcf chip=0x165614e4 rev=0x10 hdr=0x00
vendor      = 'Broadcom Corporation'
device      = 'NetXtreme BCM5718 Gigabit Ethernet PCIe'
class       = network
subclass    = ethernet
cap 01[48] = powerspec 3 supports D0 D3 current D0
cap 03[50] = VPD
cap 05[58] = MSI supports 8 messages, 64 bit enabled with 1 message
cap 11[a0] = MSI-X supports 17 messages
              Table in map 0x20[0x0], PBA in map 0x20[0x1000]
cap 10[ac] = PCI-Express 2 endpoint max data 128(256) FLR link x1(x1)
              speed 5.0(5.0) ASPM disabled(L1)
ecap 0001[100] = AER 1 0 fatal 0 non-fatal 1 corrected
ecap 0003[13c] = Serial 1 0000d43d7e7858e9
ecap 0004[150] = Power Budgeting 1
ecap 0002[160] = VC 1 max VC0

vgepci0@pci:05:0:0:    class=0x030000 card=0x803f1bcf chip=0x0522102b rev=0x02 hdr=0x00
vendor      = 'Matrox Electronics Systems Ltd.'
device      = 'MGA G200e [Pilot] ServerEngines (SEP1)'
class       = display
subclass    = VGA
cap 01[dc] = powerspec 2 supports D0 D3 current D0
cap 10[e4] = PCI-Express 1 legacy endpoint max data 128(256) link x1(x1)
              speed 2.5(2.5) ASPM disabled(L0s)
cap 05[54] = MSI supports 1 message

none14@pci:0127:8:0:    class=0x088000 card=0x803f1bcf chip=0x0e808086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown QPI Link 0'
class       = base peripheral

none15@pci:0127:9:0:    class=0x088000 card=0x803f1bcf chip=0x0e908086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown QPI Link 1'
class       = base peripheral

none16@pci:0127:10:0:   class=0x088000 card=0x803f1bcf chip=0x0ec08086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Power Control Unit 0'
class       = base peripheral

none17@pci:0127:10:1:   class=0x088000 card=0x803f1bcf chip=0x0ec18086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Power Control Unit 1'
class       = base peripheral

none18@pci:0127:10:2:   class=0x088000 card=0x803f1bcf chip=0x0ec28086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Power Control Unit 2'
class       = base peripheral

none19@pci:0127:10:3:   class=0x088000 card=0x803f1bcf chip=0x0ec38086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Power Control Unit 3'
class       = base peripheral

none20@pci:0127:10:4:   class=0x088000 card=0x803f1bcf chip=0x0ec48086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Power Control Unit 4'
class       = base peripheral

none21@pci:0127:11:0:   class=0x088000 card=0x803f1bcf chip=0x0e1e8086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class       = base peripheral

none22@pci:0127:11:3:   class=0x088000 card=0x803f1bcf chip=0x0e1f8086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class       = base peripheral

none23@pci:0127:12:0:   class=0x088000 card=0x803f1bcf chip=0x0ee08086 rev=0x04 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'Ivytown Unicast Registers'
class       = base peripheral

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none24@pci0:127:12:1: class=0x088000 card=0x803f1bcf chip=0x0ee28086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Unicast Registers'
 class    = base peripheral
none25@pci0:127:13:0: class=0x088000 card=0x803f1bcf chip=0x0ee18086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Unicast Registers'
 class    = base peripheral
none26@pci0:127:13:1: class=0x088000 card=0x803f1bcf chip=0x0ee38086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Unicast Registers'
 class    = base peripheral
none27@pci0:127:14:0: class=0x088000 card=0x803f1bcf chip=0x0ea08086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Home Agent 0'
 class    = base peripheral
none28@pci0:127:14:1: class=0x110100 card=0x803f1bcf chip=0x0e308086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Home Agent 0'
 class    = dasp
none29@pci0:127:15:0: class=0x088000 card=0x803f1bcf chip=0x0ea88086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none30@pci0:127:15:1: class=0x088000 card=0x803f1bcf chip=0x0e718086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 0 RAS Registers'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none31@pci0:127:15:2: class=0x088000 card=0x803f1bcf chip=0x0ea88086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none32@pci0:127:15:3: class=0x088000 card=0x803f1bcf chip=0x0eab8086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none33@pci0:127:15:4: class=0x088000 card=0x803f1bcf chip=0x0eac8086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none34@pci0:127:15:5: class=0x088000 card=0x803f1bcf chip=0x0ead8086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none35@pci0:127:16:0: class=0x088000 card=0x803f1bcf chip=0x0eb08086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none36@pci0:127:16:1: class=0x088000 card=0x803f1bcf chip=0x0eb18086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none37@pci0:127:16:2: class=0x088000 card=0x803f1bcf chip=0x0eb28086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none38@pci0:127:16:3: class=0x088000 card=0x803f1bcf chip=0x0eb38086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none39@pci0:127:16:4: class=0x088000 card=0x803f1bcf chip=0x0eb48086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none40@pci0:127:16:5: class=0x088000 card=0x803f1bcf chip=0x0eb58086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none41@pci0:127:16:6: class=0x088000 card=0x803f1bcf chip=0x0eb68086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none42@pci0:127:16:7: class=0x088000 card=0x803f1bcf chip=0x0eb78086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
 class    = base peripheral
 cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none43@pci0:127:19:0: class=0x088000 card=0x803f1bcf chip=0x0e1d8086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown R2PCIE'
 class    = base peripheral
none44@pci0:127:19:1: class=0x110100 card=0x803f1bcf chip=0x0e348086 rev=0x04 hdr=0x00
 vendor   = 'Intel Corporation'
 device   = 'Ivytown PCI Express Ring Performance Monitoring'
 class    = dasp

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none45@pci0:127:19:4: class=0x088000 card=0x803f1bcf chip=0x0e818086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown QPI Ring Registers'
 class = base peripheral
none46@pci0:127:19:5: class=0x110100 card=0x803f1bcf chip=0x0e368086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown QPI Ring Performance Ring Monitoring'
 class = dasp
none47@pci0:127:22:0: class=0x088000 card=0x803f1bcf chip=0x0ec88086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown System Address Decoder'
 class = base peripheral
none48@pci0:127:22:1: class=0x088000 card=0x803f1bcf chip=0x0ec98086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Broadcast Registers'
 class = base peripheral
none49@pci0:127:22:2: class=0x088000 card=0x803f1bcf chip=0x0eca8086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Broadcast Registers'
 class = base peripheral
pcib11@pci0:128:0:0: class=0x060400 card=0x803f1bcf chip=0x0e018086 rev=0x04 hdr=0x01
 vendor = 'Intel Corporation'
 device = 'Ivytown PCI Express Root Port in DMI2 Mode'
 class = bridge
 subclass = PCI-PCI
 cap 0d[40] = PCI Bridge card=0x803f1bcf
 cap 05[60] = MSI supports 2 messages, vector masks
 cap 10[90] = PCI-Express 2 root port max data 128(128) link x0(x4)
 speed 0.0(2.5) ASPM disabled(L1)
 cap 01[e0] = powerspec 3 supports D0 D3 current D0
 ecap 000b[100] = Vendor 1 ID 2
 ecap 000d[110] = ACS 1
 ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
 ecap 000b[1d0] = Vendor 1 ID 3
 ecap 000b[280] = Vendor 1 ID 5
pcib12@pci0:128:2:0: class=0x060400 card=0x803f1bcf chip=0x0e048086 rev=0x04 hdr=0x01
 vendor = 'Intel Corporation'
 device = 'Ivytown PCI Express Root Port 2a'
 class = bridge
 subclass = PCI-PCI
 cap 0d[40] = PCI Bridge card=0x803f1bcf
 cap 05[60] = MSI supports 2 messages, vector masks
 cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x8)
 speed 0.0(8.0) ASPM disabled(L1)
 cap 01[e0] = powerspec 3 supports D0 D3 current D0
 ecap 000b[100] = Vendor 1 ID 2
 ecap 000d[110] = ACS 1
 ecap 0001[148] = AER 1 0 fatal 0 non-fatal 0 corrected
 ecap 000b[1d0] = Vendor 1 ID 3
 ecap 0019[250] = PCIe Sec 1 lane errors 0
 ecap 000b[280] = Vendor 1 ID 5
none50@pci0:128:4:0: class=0x088000 card=0x803f1bcf chip=0x0e208086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Crystal Beach DMA Channel 0'
 class = base peripheral
 cap 11[80] = MSI-X supports 1 message
 Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
 cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
 cap 01[e0] = powerspec 3 supports D0 D3 current D0
none51@pci0:128:4:1: class=0x088000 card=0x803f1bcf chip=0x0e218086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Crystal Beach DMA Channel 1'
 class = base peripheral
 cap 11[80] = MSI-X supports 1 message
 Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
 cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
 cap 01[e0] = powerspec 3 supports D0 D3 current D0
none52@pci0:128:4:2: class=0x088000 card=0x803f1bcf chip=0x0e228086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Crystal Beach DMA Channel 2'
 class = base peripheral
 cap 11[80] = MSI-X supports 1 message
 Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
 cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
 cap 01[e0] = powerspec 3 supports D0 D3 current D0
none53@pci0:128:4:3: class=0x088000 card=0x803f1bcf chip=0x0e238086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Crystal Beach DMA Channel 3'
 class = base peripheral
 cap 11[80] = MSI-X supports 1 message
 Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
 cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
 cap 01[e0] = powerspec 3 supports D0 D3 current D0
none54@pci0:128:4:4: class=0x088000 card=0x803f1bcf chip=0x0e248086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Crystal Beach DMA Channel 4'
 class = base peripheral
 cap 11[80] = MSI-X supports 1 message
 Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
 cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
 cap 01[e0] = powerspec 3 supports D0 D3 current D0
none55@pci0:128:4:5: class=0x088000 card=0x803f1bcf chip=0x0e258086 rev=0x04 hdr=0x00
 vendor = 'Intel Corporation'
 device = 'Ivytown Crystal Beach DMA Channel 5'
 class = base peripheral
 cap 11[80] = MSI-X supports 1 message
 Table in map 0x10[0x2000], PBA in map 0x10[0x3000]

```

```

cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none56@pci:128:4:6: class=0x088000 card=0x803f1bcf chip=0x0e268086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Crystal Beach DMA Channel 6'
class    = base peripheral
cap 11[80] = MSI-X supports 1 message
          Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none57@pci:128:4:7: class=0x088000 card=0x803f1bcf chip=0x0e278086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Crystal Beach DMA Channel 7'
class    = base peripheral
cap 11[80] = MSI-X supports 1 message
          Table in map 0x10[0x2000], PBA in map 0x10[0x3000]
cap 10[90] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none58@pci:128:5:0: class=0x088000 card=0x803f1bcf chip=0x0e288086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Vtd/Memory Map/Misc'
class    = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none59@pci:128:5:2: class=0x088000 card=0x803f1bcf chip=0x0e2a8086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown IIO RAS'
class    = base peripheral
cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic@pci:128:5:4: class=0x080020 card=0x803f1bcf chip=0x0e2c8086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown IOAPIC'
class    = base peripheral
subclass = interrupt controller
cap 10[44] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
cap 01[e0] = powerspec 3 supports D0 D3 current D0
none60@pci:255:8:0: class=0x088000 card=0x803f1bcf chip=0x0e808086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown QPI Link 0'
class    = base peripheral
none61@pci:255:9:0: class=0x088000 card=0x803f1bcf chip=0x0e908086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown QPI Link 1'
class    = base peripheral
none62@pci:255:10:0: class=0x088000 card=0x803f1bcf chip=0x0ec08086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Power Control Unit 0'
class    = base peripheral
none63@pci:255:10:1: class=0x088000 card=0x803f1bcf chip=0x0ec18086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Power Control Unit 1'
class    = base peripheral
none64@pci:255:10:2: class=0x088000 card=0x803f1bcf chip=0x0ec28086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Power Control Unit 2'
class    = base peripheral
none65@pci:255:10:3: class=0x088000 card=0x803f1bcf chip=0x0ec38086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Power Control Unit 3'
class    = base peripheral
none66@pci:255:10:4: class=0x088000 card=0x803f1bcf chip=0x0ec48086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Power Control Unit 4'
class    = base peripheral
none67@pci:255:11:0: class=0x088000 card=0x803f1bcf chip=0x0e1e8086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class    = base peripheral
none68@pci:255:11:3: class=0x088000 card=0x803f1bcf chip=0x0e1f8086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Semaphore and Scratchpad Configuration Registers'
class    = base peripheral
none69@pci:255:12:0: class=0x088000 card=0x803f1bcf chip=0x0ee08086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Unicast Registers'
class    = base peripheral
none70@pci:255:12:1: class=0x088000 card=0x803f1bcf chip=0x0ee28086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Unicast Registers'
class    = base peripheral
none71@pci:255:13:0: class=0x088000 card=0x803f1bcf chip=0x0ee18086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Unicast Registers'
class    = base peripheral
none72@pci:255:13:1: class=0x088000 card=0x803f1bcf chip=0x0ee38086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Unicast Registers'
class    = base peripheral
none73@pci:255:14:0: class=0x088000 card=0x803f1bcf chip=0x0ea08086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Home Agent 0'
class    = base peripheral
none74@pci:255:14:1: class=0x110100 card=0x803f1bcf chip=0x0e308086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'
device   = 'Ivytown Home Agent 0'
class    = dasp
none75@pci:255:15:0: class=0x088000 card=0x803f1bcf chip=0x0ea88086 rev=0x04 hdr=0x00
vendor   = 'Intel Corporation'

```



```

device = 'Ivytown Integrated Memory Controller 0 Target Address/Thermal Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none76@pci:0:255:15:1: class=0x088000 card=0x803f1bcf chip=0x0e718086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 RAS Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none77@pci:0:255:15:2: class=0x088000 card=0x803f1bcf chip=0x0eaa8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none78@pci:0:255:15:3: class=0x088000 card=0x803f1bcf chip=0x0eab8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none79@pci:0:255:15:4: class=0x088000 card=0x803f1bcf chip=0x0eac8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none80@pci:0:255:15:5: class=0x088000 card=0x803f1bcf chip=0x0ead8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 0 Channel Target Address Decoder Registers'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none81@pci:0:255:16:0: class=0x088000 card=0x803f1bcf chip=0x0eb08086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none82@pci:0:255:16:1: class=0x088000 card=0x803f1bcf chip=0x0eb18086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none83@pci:0:255:16:2: class=0x088000 card=0x803f1bcf chip=0x0eb28086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 0'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none84@pci:0:255:16:3: class=0x088000 card=0x803f1bcf chip=0x0eb38086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 1'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none85@pci:0:255:16:4: class=0x088000 card=0x803f1bcf chip=0x0eb48086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none86@pci:0:255:16:5: class=0x088000 card=0x803f1bcf chip=0x0eb58086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 Thermal Control 3'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none87@pci:0:255:16:6: class=0x088000 card=0x803f1bcf chip=0x0eb68086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none88@pci:0:255:16:7: class=0x088000 card=0x803f1bcf chip=0x0eb78086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Integrated Memory Controller 1 Channel 0-3 ERROR Registers 2'
class = base peripheral
cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
none89@pci:0:255:19:0: class=0x088000 card=0x803f1bcf chip=0x0e1d8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown R2PCIe'
class = base peripheral
none90@pci:0:255:19:1: class=0x110100 card=0x803f1bcf chip=0x0e348086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown PCI Express Ring Performance Monitoring'
class = dasp
none91@pci:0:255:19:4: class=0x088000 card=0x803f1bcf chip=0x0e818086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Ring Registers'
class = base peripheral
none92@pci:0:255:19:5: class=0x110100 card=0x803f1bcf chip=0x0e368086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown QPI Ring Performance Ring Monitoring'
class = dasp
none93@pci:0:255:22:0: class=0x088000 card=0x803f1bcf chip=0x0ec88086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown System Address Decoder'
class = base peripheral
none94@pci:0:255:22:1: class=0x088000 card=0x803f1bcf chip=0x0ec98086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Broadcast Registers'
class = base peripheral
none95@pci:0:255:22:2: class=0x088000 card=0x803f1bcf chip=0x0eca8086 rev=0x04 hdr=0x00
vendor = 'Intel Corporation'
device = 'Ivytown Broadcast Registers'
class = base peripheral

```

ACPI電源管理データ詳細一覧

```
RSD PTR: OEM=ALASKA, ACPI_Rev=2.0x (2)
XSDT=0x7c98d080, length=36, cksum=120
XSDT: Length=124, Revision=1, Checksum=127,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Entries={ 0x7c99aae8, 0x7c99abf8, 0x7c99acd0, 0x7c99ad18, 0x7c99ad58, 0x7c99b088, 0x7c99b0b8, 0x7c99b0f0, 0x7c99b1b0, 0x7ca6be60, 0x7ca6be90 }
FACP: Length=268, Revision=5, Checksum=49,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
FACS=0x7cc6a080, DSDT=0x7c98d188
INT_MODEL=APIC
Preferred_PM_Profile=Workstation (3)
SCI_INT=9
SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0
PSTATE_CNT=0x0
PM1a_EVT_BLK=0x400-0x403
PM1a_CNT_BLK=0x404-0x405
PM2_CNT_BLK=0x450-0x450
PM_TMR_BLK=0x408-0x40b
GPE0_BLK=0x420-0x42f
P_LVL2_LAT=101 us, P_LVL3_LAT=1001 us
FLUSH_SIZE=1024, FLUSH_STRIDE=16
DUTY_OFFSET=1, DUTY_WIDTH=3
DAY_ALRM=13, MON_ALRM=0, CENTURY=50
IAPC_BOOT_ARCH={LEGACY_DEVICES,NO_ASPM}
Flags={WBINVD,C1_SUPPORTED,C2_MP_SUPPORTED,SLEEP_BUTTON,S4_RTC_WAKE,RESET_REGISTER,PLATFORM_CLOCK,S4_RTC_VALID,REMOTE_POWER_ON}
RESET_REG=0x50d:0[8] (IO), RESET_VALUE=0xfe
FACS: Length=64, HwSig=0x00000000, FirmWake_Vec=0x00000000
Global_Lock=
Flags=
Version=2
DSDT: Length=55645, Revision=2, Checksum=108,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x15,
Creator ID=INTL, Creator Revision=0x20091112
APIC: Length=212, Revision=3, Checksum=98,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Local APIC ADDR=0xfe000000
Flags={PC-AT}
Type=Local APIC
ACPI CPU=0
Flags={ENABLED}
APIC ID=0
Type=Local APIC
ACPI CPU=1
Flags={ENABLED}
APIC ID=2
Type=Local APIC
ACPI CPU=2
Flags={ENABLED}
APIC ID=4
Type=Local APIC
ACPI CPU=3
Flags={ENABLED}
APIC ID=6
Type=Local APIC
ACPI CPU=4
Flags={ENABLED}
APIC ID=32
Type=Local APIC
ACPI CPU=5
Flags={ENABLED}
APIC ID=34
Type=Local APIC
ACPI CPU=6
Flags={ENABLED}
APIC ID=36
Type=Local APIC
ACPI CPU=7
Flags={ENABLED}
APIC ID=38
Type=IO APIC
APIC ID=0
INT BASE=0
ADDR=0x00000000fec00000
Type=IO APIC
APIC ID=2
INT BASE=24
ADDR=0x00000000fec01000
Type=IO APIC
APIC ID=3
INT BASE=48
ADDR=0x00000000fec40000
Type=INT Override
BUS=0
IRQ=0
INTR=2
Flags={Polarity=conforming, Trigger=conforming}
Type=INT Override
BUS=0
IRQ=9
INTR=9
```

```

Flags={Polarity=active-hi, Trigger=level}
Type=Local APIC NMI
ACPI CPU=0
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=1
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=2
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=3
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=4
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=5
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=6
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=7
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
FPDT: Length=68, Revision=1, Checksum=62,
OEMID=ALASKA, OEM Table ID=0645, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
MCFG: Length=60, Revision=1, Checksum=76,
OEMID=ALASKA, OEM Table ID=0EMMCFG., OEM Revision=0x1072009,
Creator ID=MSFT, Creator Revision=0x97
Base Address=0x0000000080000000
Segment Group=0x0000
Start Bus=0
End Bus=255
SRAT: Length=816, Revision=1, Checksum=229,
OEMID=A M I, OEM Table ID=AMI SRAT, OEM Revision=0x1,
Creator ID=AMI., Creator Revision=0x0
Table Revision=1
Type=CPU
Flags={ENABLED}
APIC ID=0
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=2
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=4
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=6
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=32
Proximity Domain=1
Type=CPU
Flags={ENABLED}
APIC ID=34
Proximity Domain=1
Type=CPU
Flags={ENABLED}
APIC ID=36
Proximity Domain=1
Type=CPU
Flags={ENABLED}
APIC ID=38
Proximity Domain=1
Type=Memory
Flags={ENABLED}
Base Address=0x0000000000000000
Length=0x0000000080000000
Proximity Domain=0
Type=Memory
Flags={ENABLED}
Base Address=0x0000000100000000
Length=0x0000000180000000
Proximity Domain=0
Type=Memory
Flags={ENABLED}
Base Address=0x0000000280000000
Length=0x0000000200000000
Proximity Domain=1
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000

```



```

EnumerationId=3
StartBusNumber=128
Path={5:4}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=128
Path={0:0}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=128
Path={2:0}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:0}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:1}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:2}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:3}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:4}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:5}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:6}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=128
Path={4:7}
Type=DRHD
Length=40
Flags={INCLUDE_ALL}
Segment=0
Address=0xdfffc000
Type=IOAPIC
Length=8
EnumerationId=0
StartBusNumber=0
Path={31:7}
Type=IOAPIC
Length=8
EnumerationId=2
StartBusNumber=0
Path={5:4}
Type=HPET
Length=8
EnumerationId=0
StartBusNumber=240
Path={15:0}
Type=RMRR
Length=40
Segment=0
BaseAddress=0x7de3b000
LimitAddress=0x7de52fff
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=0
Path={29:0}
Type=PCI Endpoint Device
Length=8
EnumerationId=0
StartBusNumber=0
Path={26:0}
Type=ATSR
Length=56
Flags=
Segment=0
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=0
Path={1:0}

```

Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=0
Path={2:0}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=0
Path={3:0}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=0
Path={3:2}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=128
Path={0:0}
Type=PCI Sub-Hierarchy
Length=8
EnumerationId=0
StartBusNumber=128
Path={2:0}
Type=RHSA
Length=20
BaseAddress=0xfbf00000
ProximityDomain=0x00000001
Type=RHSA
Length=20
BaseAddress=0xdfff0000
ProximityDomain=0x00000000

ネットワークインターフェースデータ詳細一覧

```
bge0: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TS04, VLAN_HWTSO, LINKSTATE>
ether 00:25:5c:d4:ec:90
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge1: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TS04, VLAN_HWTSO, LINKSTATE>
ether 00:25:5c:d4:ec:91
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge2: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TS04, VLAN_HWTSO, LINKSTATE>
ether d4:3d:7e:78:58:e8
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
bge3: flags=8802<BROADCAST,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=c019b<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, VLAN_HWCSUM, TS04, VLAN_HWTSO, LINKSTATE>
ether d4:3d:7e:78:58:e9
nd6 options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>
media: Ethernet autoselect
lo0: flags=8049<UP, LOOPBACK, RUNNING, MULTICAST> metric 0 mtu 16384
options=600003<RXCSUM, TXCSUM, RXCSUM_IPV6, TXCSUM_IPV6>
inet6 ::1 prefixlen 128
inet6 fe80::1%lo0 prefixlen 64 scopeid 0x5
inet 127.0.0.1 netmask 0xff000000
nd6 options=21<PERFORMNUD, AUTO_LINKLOCAL>
```

デバイス認識詳細一覧

2	1 dr-xr-xr-x	13 root	wheel	512 Mar 11 17:08 /dev
99	0 lrwxr-xr-x	1 root	wheel	12 Mar 11 17:08 /dev/log -> /var/run/log
110	0 lrwxr-xr-x	1 root	wheel	12 Mar 11 17:08 /dev/dumpdev -> /dev/mfid0p3
3	0 crw-r-----	1 root	operator	0x3 Mar 11 17:08 /dev/geom.ctl
4	0 cr--r--r--	1 root	wheel	0x4 Mar 11 17:08 /dev/sndstat
5	0 crw-----	1 root	wheel	0x5 Mar 11 17:08 /dev/devctl
6	0 crw-----	1 root	wheel	0x6 Mar 11 17:08 /dev/console
7	0 crw-----	1 root	wheel	0x7 Mar 11 17:08 /dev/kbdmux0
8	0 lrwxr-xr-x	1 root	wheel	7 Mar 11 17:08 /dev/kbd1 -> kbdmux0
9	0 crw-rw-rw-	1 root	wheel	0x9 Mar 11 17:08 /dev/tty
10	0 crw-r-----	1 root	kmem	0xa Mar 11 17:08 /dev/mem
11	0 crw-r-----	1 root	kmem	0xb Mar 11 17:08 /dev/kmem
12	0 crw-----	1 root	wheel	0xc Mar 11 17:08 /dev/fido
13	0 crw-----	1 root	wheel	0xd Mar 11 17:08 /dev/bpf
14	0 lrwxr-xr-x	1 root	wheel	3 Mar 11 17:08 /dev/bpf0 -> bpf
15	0 crw-rw-rw-	1 root	wheel	0xf Mar 11 17:11 /dev/null
16	0 crw-rw-rw-	1 root	wheel	0x10 Mar 11 17:08 /dev/zero
17	0 crw-r--r--	1 root	wheel	0x11 Mar 11 17:08 /dev/pci
18	0 crw-----	1 root	kmem	0x12 Mar 11 17:08 /dev/nfslock
19	0 crw-----	1 root	kmem	0x13 Mar 11 17:08 /dev/audit
20	0 crw-rw-rw-	1 root	wheel	0x14 Mar 11 17:08 /dev/random
21	0 lrwxr-xr-x	1 root	wheel	6 Mar 11 17:08 /dev/urandom -> random
106	1 dr-xr-xr-x	2 root	wheel	512 Mar 11 17:08 /dev/fd
22	0 crw-rw-rw-	1 root	wheel	0x16 Mar 11 17:08 /dev/fd/0
24	0 crw-rw-rw-	1 root	wheel	0x18 Mar 11 17:08 /dev/fd/1
26	0 crw-rw-rw-	1 root	wheel	0x1a Mar 11 17:08 /dev/fd/2
23	0 lrwxr-xr-x	1 root	wheel	4 Mar 11 17:08 /dev/stdin -> fd/0
25	0 lrwxr-xr-x	1 root	wheel	4 Mar 11 17:08 /dev/stdout -> fd/1
27	0 lrwxr-xr-x	1 root	wheel	4 Mar 11 17:08 /dev/stderr -> fd/2
28	0 crw-----	1 root	wheel	0x1c Mar 11 17:08 /dev/io
29	0 crw-rw-rw-	1 root	wheel	0x1d Mar 11 17:08 /dev/midistat
30	0 crw-----	1 root	wheel	0x1e Mar 11 17:08 /dev/sysmouse
31	0 crw-----	1 root	wheel	0x1f Mar 11 17:08 /dev/klog
32	0 crw-r--r--	1 root	wheel	0x20 Mar 11 17:08 /dev/acpi
33	0 crw-rw-rw-	1 root	operator	0x21 Mar 11 17:08 /dev/apmctl
34	0 crw-rw-r--	1 root	operator	0x22 Mar 11 17:08 /dev/apm
35	0 crw-r-----	1 root	operator	0x23 Mar 11 17:08 /dev/mfi0
36	0 lrwxr-xr-x	1 root	wheel	4 Mar 11 17:08 /dev/megaraid_sas_ioctl_node -> mfi0
37	0 crw-----	1 root	wheel	0x25 Mar 11 17:08 /dev/ttyu0
38	0 crw-----	1 root	wheel	0x26 Mar 11 17:08 /dev/ttyu0.init
39	0 crw-----	1 root	wheel	0x27 Mar 11 17:08 /dev/ttyu0.lock
40	0 crw-rw----	1 uucp	dialer	0x28 Mar 11 17:08 /dev/cua00
41	0 crw-rw----	1 uucp	dialer	0x29 Mar 11 17:08 /dev/cua00.init
42	0 crw-rw----	1 uucp	dialer	0x2a Mar 11 17:08 /dev/cua00.lock
43	0 crw-----	1 root	wheel	0x2b Mar 11 17:08 /dev/ttyu1
44	0 crw-----	1 root	wheel	0x2c Mar 11 17:08 /dev/ttyu1.init
45	0 crw-----	1 root	wheel	0x2d Mar 11 17:08 /dev/ttyu1.lock
46	0 crw-rw----	1 uucp	dialer	0x2e Mar 11 17:08 /dev/cua01
47	0 crw-rw----	1 uucp	dialer	0x2f Mar 11 17:08 /dev/cua01.init
48	0 crw-rw----	1 uucp	dialer	0x30 Mar 11 17:08 /dev/cua01.lock
49	0 crw-----	1 root	tty	0x31 Mar 11 17:11 /dev/ttyv0
50	0 crw-----	1 root	wheel	0x32 Mar 11 17:08 /dev/ttyv1
51	0 crw-----	1 root	wheel	0x33 Mar 11 17:08 /dev/ttyv2
52	0 crw-----	1 root	wheel	0x34 Mar 11 17:08 /dev/ttyv3
53	0 crw-----	1 root	wheel	0x35 Mar 11 17:08 /dev/ttyv4
54	0 crw-----	1 root	wheel	0x36 Mar 11 17:08 /dev/ttyv5
55	0 crw-----	1 root	wheel	0x37 Mar 11 17:08 /dev/ttyv6
56	0 crw-----	1 root	wheel	0x38 Mar 11 17:08 /dev/ttyv7
57	0 crw-----	1 root	wheel	0x39 Mar 11 17:08 /dev/ttyv8
58	0 crw-----	1 root	wheel	0x3a Mar 11 17:08 /dev/ttyv9
59	0 crw-----	1 root	wheel	0x3b Mar 11 17:08 /dev/ttyva
60	0 crw-----	1 root	wheel	0x3c Mar 11 17:08 /dev/ttyvb
61	0 crw-----	1 root	wheel	0x3d Mar 11 17:08 /dev/ttyvc
62	0 crw-----	1 root	wheel	0x3e Mar 11 17:08 /dev/ttyvd
63	0 crw-----	1 root	wheel	0x3f Mar 11 17:08 /dev/ttyve
64	0 crw-----	1 root	wheel	0x40 Mar 11 17:08 /dev/ttyvf
65	0 crw-----	1 root	wheel	0x41 Mar 11 17:08 /dev/consoclectl
66	0 crw-----	1 root	wheel	0x42 Mar 11 17:08 /dev/ufssuspend
68	0 crw-r--r--	1 root	operator	0x44 Mar 11 17:08 /dev/usbctl
69	0 crw-----	1 root	operator	0x45 Mar 11 17:08 /dev/xpt0
70	0 crw-----	1 root	wheel	0x46 Mar 11 17:08 /dev/mdctl
107	1 dr-xr-xr-x	2 root	wheel	512 Mar 11 17:08 /dev/usb
71	0 crw-----	1 root	operator	0x47 Mar 11 17:08 /dev/usb/0.1.0
73	0 crw-----	1 root	operator	0x49 Mar 11 17:08 /dev/usb/1.1.0
75	0 crw-----	1 root	operator	0x4b Mar 11 17:08 /dev/usb/1.1.1
76	0 crw-----	1 root	operator	0x4c Mar 11 17:08 /dev/usb/0.1.1
78	0 crw-----	1 root	operator	0x4e Mar 11 17:08 /dev/usb/1.2.0
80	0 crw-----	1 root	operator	0x50 Mar 11 17:08 /dev/usb/0.2.0
82	0 crw-----	1 root	operator	0x52 Mar 11 17:08 /dev/usb/1.2.1
83	0 crw-----	1 root	operator	0x53 Mar 11 17:08 /dev/usb/0.2.1
84	0 crw-----	1 root	operator	0x54 Mar 11 17:08 /dev/usb/0.3.0
86	0 crw-----	1 root	operator	0x56 Mar 11 17:08 /dev/usb/0.3.1
87	0 crw-----	1 root	operator	0x57 Mar 11 17:08 /dev/usb/1.3.0
89	0 crw-----	1 root	operator	0x59 Mar 11 17:08 /dev/usb/1.3.1
90	0 crw-----	1 root	operator	0x5a Mar 11 17:08 /dev/usb/1.3.2
101	0 crw-----	1 root	operator	0x65 Mar 11 17:08 /dev/usb/0.4.0
103	0 crw-----	1 root	operator	0x67 Mar 11 17:08 /dev/usb/0.4.1
156	0 crw-----	1 root	operator	0x9c Mar 11 17:09 /dev/usb/0.5.0
158	0 crw-----	1 root	operator	0x9e Mar 11 17:09 /dev/usb/0.5.1
159	0 crw-----	1 root	operator	0x9f Mar 11 17:09 /dev/usb/0.5.2
72	0 lrwxr-xr-x	1 root	wheel	9 Mar 11 17:08 /dev/ugen0.1 -> usb/0.1.0
74	0 lrwxr-xr-x	1 root	wheel	9 Mar 11 17:08 /dev/ugen1.1 -> usb/1.1.0

77	0 cr-----	1 root	wheel	0x4d Mar 11 17:08 /dev/devstat
79	0 lrwxr-xr-x	1 root	wheel	9 Mar 11 17:08 /dev/ugen1.2 -> usb/1.2.0
81	0 lrwxr-xr-x	1 root	wheel	9 Mar 11 17:08 /dev/ugen0.2 -> usb/0.2.0
85	0 lrwxr-xr-x	1 root	wheel	9 Mar 11 17:08 /dev/ugen0.3 -> usb/0.3.0
88	0 lrwxr-xr-x	1 root	wheel	9 Mar 11 17:08 /dev/ugen1.3 -> usb/1.3.0
91	0 crw-----	1 root	wheel	0x5b Mar 11 17:08 /dev/ukbd0
92	0 lrwxr-xr-x	1 root	wheel	5 Mar 11 17:08 /dev/kbd0 -> ukbd0
93	0 crw-r-----	1 root	operator	0x5d Mar 11 17:08 /dev/mfid0
94	0 crw-r-----	1 root	operator	0x5e Mar 11 17:08 /dev/mfid0p1
95	0 crw-r-----	1 root	operator	0x5f Mar 11 17:08 /dev/mfid0p2
96	0 crw-r-----	1 root	operator	0x60 Mar 11 17:08 /dev/mfid0p3
108	1 dr-xr-xr-x	2 root	wheel	512 Mar 11 17:08 /dev/gptid
97	0 crw-r-----	1 root	operator	0x61 Mar 11 17:08 /dev/gptid/ac07c154-a93e-11e3-b223-00255cd4ec90
102	0 lrwxr-xr-x	1 root	wheel	9 Mar 11 17:08 /dev/ugen0.4 -> usb/0.4.0
104	0 crw-----	1 root	wheel	0x68 Mar 11 17:08 /dev/ukbd1
105	0 lrwxr-xr-x	1 root	wheel	5 Mar 11 17:08 /dev/kbd2 -> ukbd1
98	0 crw-r--r--	1 root	operator	0x62 Mar 11 17:08 /dev/ums0
157	0 lrwxr-xr-x	1 root	wheel	9 Mar 11 17:09 /dev/ugen0.5 -> usb/0.5.0
160	0 crw-----	1 root	operator	0xa0 Mar 11 17:09 /dev/pass0
161	0 crw-r-----	1 root	operator	0xa1 Mar 11 17:09 /dev/da0

更新履歷

更新履歴

- 2014年03月13日 FreeBSD動作検証レポート2014年3月11日版作成

FreeBSD動作検証レポート

対象ハードウェア

maker:NEC, product:Express5800/R120e-1M [N8100-2056Y],
serial:3X00105, version:FR1.1

対象OSバージョン

FreeBSD 10.0-RELEASE #0 r260789: Thu Jan 16 22:34:59 UTC
2014

2014年3月11日版

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