

FreeBSD動作検証レポート

E120f-M / 10.1-RELEASE

対象ハードウェア

maker:NEC, product:Express5800/E120f-M
[N8100-2230Y], serial:4Z00107, version:FR1.2

対象OSバージョン

FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11
21:02:49 UTC 2014

2015年12月21日版

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	fad4d57e-e781-e411-8001-fcaa141b7eb7
製品データ	maker:NEC, product:Express5800/E120f-M [N8100-2230Y], serial:4Z00107, version:FR1.2
筐体データ	maker:NEC, serial:01, tag:_____, version:243-428634-001
CPU	Intel(R) Xeon(R) CPU E5-2620 v3 @ 2.40GHz
MEMORY	33554432[KB]
BIOS	reldate:10/20/2014, vendor:American Megatrends Inc., version:5.0.3009
ACPI	oem:ALASKA, revision:2, rsdp:0x000f0530, rsdt:0x7b379028, xsdt:0x000000007b379080
OS	FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014

基礎性能データ

メモリアクセス速度	20.682 GBi/sec
IPv4スタック処理速度	471.122 MBi/sec
IPv6スタック処理速度	397.921 MBi/sec

動作検証要約

1way/2wayアーキテクチャ

FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014は、次の条件を満たす場合に検証対象ハードウェア「maker:NEC, product:Express5800/E120f-M [N8100-2230Y], serial:4Z00107, version:FR1.2」において正常に動作する。

- BIOSをレガシーモードで使用
- BIOSにてx2APICの設定を無効化
- 512バイトセクタのストレージを使用
- LSI MegaRAID RAIDコントローラドライバとしてmfi(4)ではなくmrsas(4)を使用

工場出荷時のBIOSはUEFIブートを使用する設定になっているため、次のようにBIOSの設定を変更する必要がある。

システム起動時、マザーボードの起動画面が表示されたらF2キーを押してBIOSの設定モードに入る。

```
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
BIOS Date: 12/19/2014 21:29:27 Ver: 5.0.0005

2 Processor(s) Detected, Core(s) per Processor = 6
Intel(R) Xeon(R) CPU E5-2603 v3 @ 1.60GHz
6x256 KB L2 Cache, 15360 KB L3 Cache

65536 MB System RAM Passed
Memory Mode: Independent

IPMI Base Board Management Controller was detected.
Device ID      : 88      Device Revision : 01
IPMI Version   : 2.0    Firmware Revision : 02.11
Self Test Result : 5500

Press <F2> SETUP, <F3> Internal Flash Memory, <F4> ROM Utility, <F12> Network

B4
```

カーソルキーでBootを選択し、さらに項目「Boot Mode」に合わせてからEnterキーを押す。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Main Advanced Security Server Boot Save & Exit

-----
| Boot Configuration | Select boot mode | |
| * Quiet Boot      | [Unavailable]    | UEFI/Legacy.     |
| *****          |                   |                   |
| Setup Notice :    |                   |                   |
| When the console redirection settings are |                   |
| configured to enable, "Quiet Boot"       |                   |
| operates in the state of [Disabled].     |                   |
| *****          |                   |                   |
| Bootup NumLock State | [Off]           |                   |
| Setup Prompt Timeout | 0               |                   |
|                   |                   |                   |
| Boot Mode           | [UEFI]          |                   |
|                   |                   |                   |
| Boot Option Priorities |                   |                   |
| Boot Option #1      | [CD/DVD]        |                   |
| Boot Option #2      | [Removable]     |                   |
| Boot Option #3      | [HDD]           | F1: General Help |
| Boot Option #4      | [Network]       | F4: Save & Exit Setup |
|                   |                   | ESC: Exit        |
|                   |                   |                   |
|-----|-----|
| Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc. |
| AB |
```

表示される項目からLegacyを選択してEnterキーを押す。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Main Advanced Security Server Boot Save & Exit

Boot Configuration
* Quiet Boot [Unavailable]
*****
Setup Notice :
When the console redirection settings are
configured to enable, "Quiet Boot"
operates in the state of [Disabled].
*****
Bootup NumLock State [0] Legacy
Setup Prompt Timeout 0 UEFI

Boot Mode [UEFI]

Boot Option Priorities
Boot Option #1 [CD/DVD]
Boot Option #2 [Removable]
Boot Option #3 [HDD]
Boot Option #4 [Network]

Select boot mode
UEFI/Legacy.

F1: General Help
F4: Save & Exit Setup
ESC: Exit

Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
AB
```

カーソルキーでSave & Exitを選択し、さらに項目「Save Changes and Exit」に合わせてからEnterキーを押して設定の保存と再起動を実行する。

```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Main Advanced Security Server Boot Save & Exit

Save & Exit Options
Save Changes and Exit
Discard Changes and Exit
Save Changes and Power Off
Discard Changes and Power Off
Load Setup Defaults

Exit system setup
after saving the
changes.

F1: General Help
F4: Save & Exit Setup
ESC: Exit

Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
AB
```

なお、512バイトセクタのストレージに関しては注文時にその旨を伝える必要がある。

x2APICの無効化は次のように行う。

システム起動時、マザーボードの起動画面が表示されたらF2キーを押してBIOSの設定モードに入る。

```
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.
BIOS Date: 12/19/2014 21:29:27 Ver: 5.0.0005

2 Processor(s) Detected, Core(s) per Processor = 6
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6x256 KB L2 Cache, 15360 KB L3 Cache

65536 MB System RAM Passed
Memory Mode: Independent

IPMI Base Board Management Controller was detected.
Device ID      : 88      Device Revision : 01
IPMI Version   : 2.0    Firmware Revision : 02.11
Self Test Result : 5500

Press <F2> SETUP, <F3> Internal Flash Memory, <F4> ROM Utility, <F12> Network

B4
```

カーソルキーでAdvancedを選択し、さらに項目「Processor Configuration」に合わせてからEnterキーを押す。

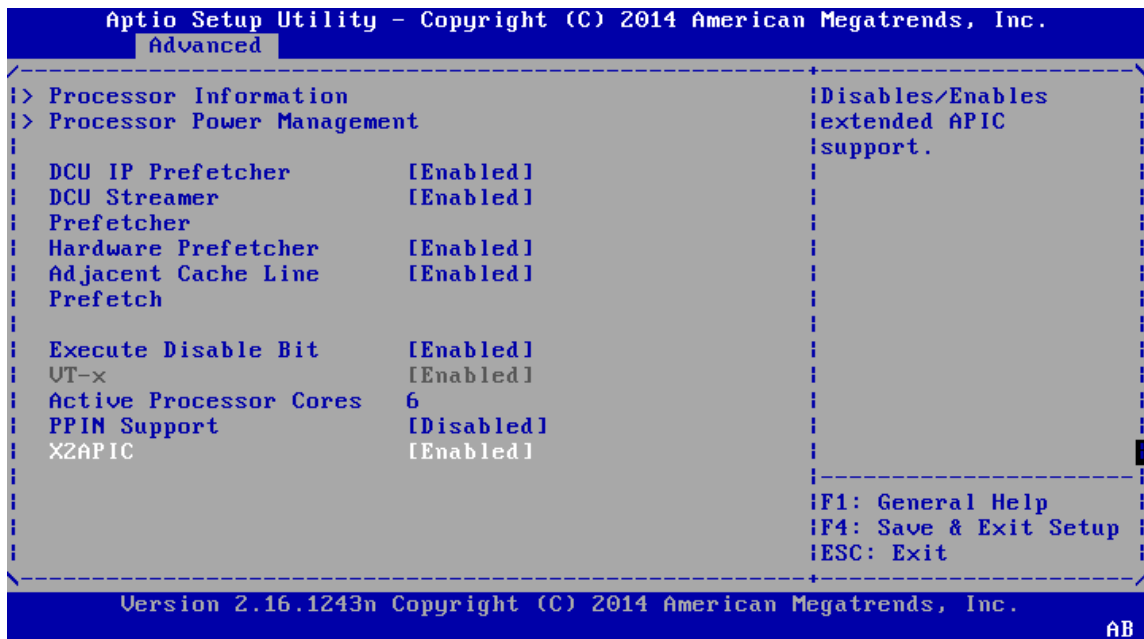
```
Aptio Setup Utility - Copyright (C) 2014 American Megatrends, Inc.
Main  Advanced  Security  Server  Boot  Save & Exit

|> Processor Configuration      |Processor
|> Memory Configuration        |Configuration
|> PCI Configuration           |parameters.
|> Advanced Chipset Configuration |
|> Storage Configuration      |
|> USB Configuration          |
|> Serial Port Configuration   |
|> Network Stack Configuration |
|> UEFI Driver Configuration   |
|*****|
| Setup Notice :               |
| When "Boot Mode" is set to [Legacy], |
| "Network Stack Configuration" and |
| "UEFI Driver Configuration" cannot be |
| configured.                   |
|*****|
|                               |F1: General Help
|                               |F4: Save & Exit Setup
|                               |ESC: Exit

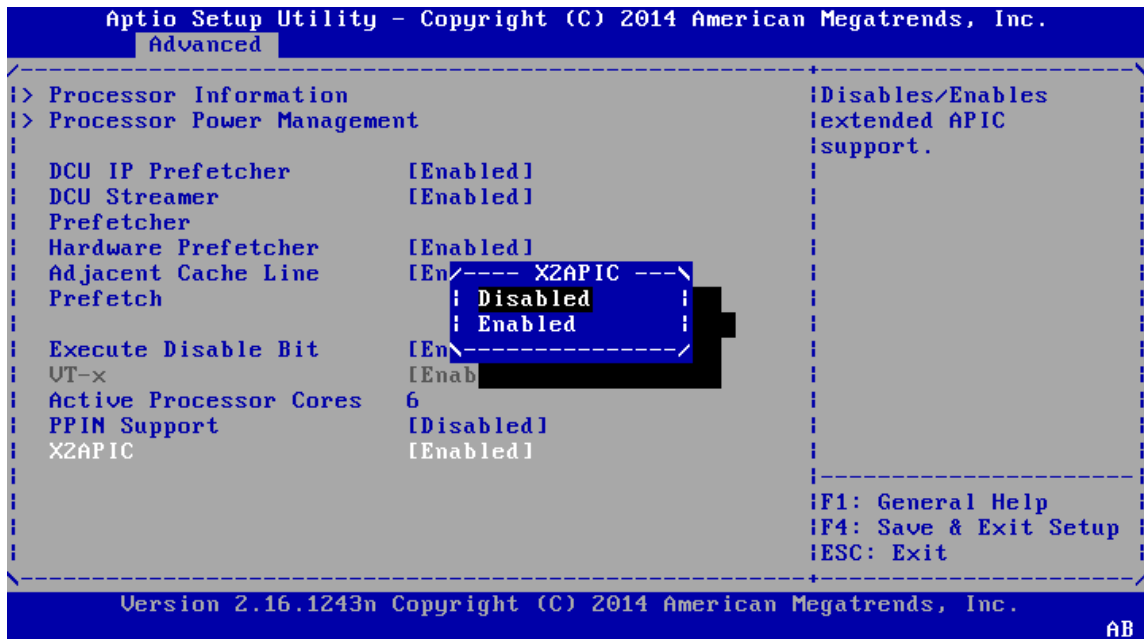
Version 2.16.1243n Copyright (C) 2014 American Megatrends, Inc.

AB
```

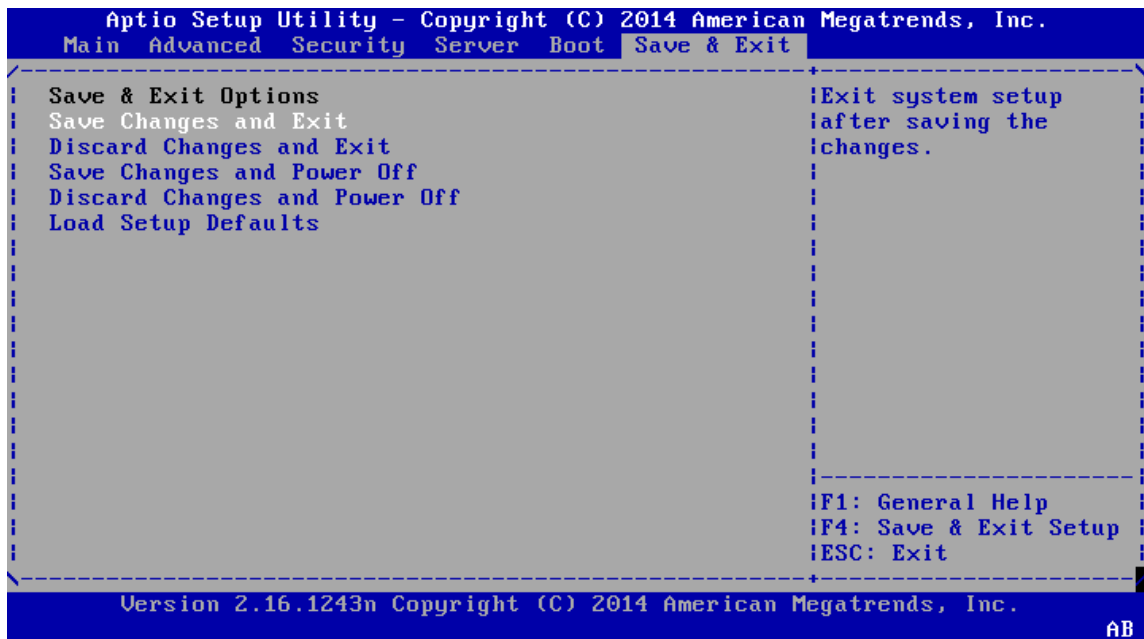
カーソルキーでX2APICを選択してEnterキーを押す。



表示される項目からDisabledを選択してEnterキーを押す。



カーソルキーでSave & Exitを選択し、さらに項目「Save Changes and Exit」に合わせてからEnterキーを押して設定の保存と再起動を実行する。



FreeBSD 10.1-RELEASEはデフォルトではLSI MegaRAID RAIDコントローラドライバとしてmfi(4)を使用する。このため、インストーラを起動する段階でmfi(4)ではなくmrsas(4)を使用するように設定を変更する必要がある。



インストーラ起動時にブートローダが表示された段階で3キーを押し、ローダプロンプトへ移行する。


```
+-----Welcome to FreeBSD-----+
| 1. Boot Multi User [Enter]      |
| 2. Boot [S]ingle User          |
| 3. [E]scape to loader prompt   |
| 4. Reboot                      |
|                                 |
| Options:                       |
| 5. [K]ernel: kernel (1 of 2)  |
| 6. [O]ptions:                  |
+-----+

To get back to the menu, type `menu` and press ENTER
or type `boot` and press ENTER to start FreeBSD.

Type '?' for a list of commands, 'help' for more detailed help.
OK
```

ローダプロンプトで次のように入力を実施。mfi(4)を無効化し、mrsas(4)を有効化したインストーラを起動する。

```
set hw.mfi.mrsas_enable=1
boot
```

インストールの最後の段階でLive CDの起動を選択し、/mnt/boot/loader.confに次の設定を書き込む。

```
hw.mfi.mrsas_enable=1
```

x2APICへの対応は将来のバージョンで取り込まれる見通し。それまではx2APICの機能を無効化しておく必要がある。

1way/2way共通

BIOSをレガシーモードで使用している場合、基本的にストレージは512セクタの製品を使用することが推奨される。BIOSは4Kセクタのストレージを認識しないため、4Kセクタのストレージを起動対象として処理できない。

起動にPEXブートやUSBメモリからの起動を使用するということであれば、2wayアーキテクチャの項目で説明したようにLSI MegaRAID RAIDコントローラドライバとしてmfi(4)ではなくmrsas(4)を使用することでFreeBSD側から利用できるようにすることもできる。

インストールしたFreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014をFreeBSD 11.0-RELEASEやそれ以降のバージョンにアップグレードする場合には注意が必要。FreeBSD 11.0-RELEASEにはLSI MegaRAID SASドライバとしてmfi(4)ではなくmrsas(4)がデフォルトでアタッチされるように挙動が変更される可能性がある

る。

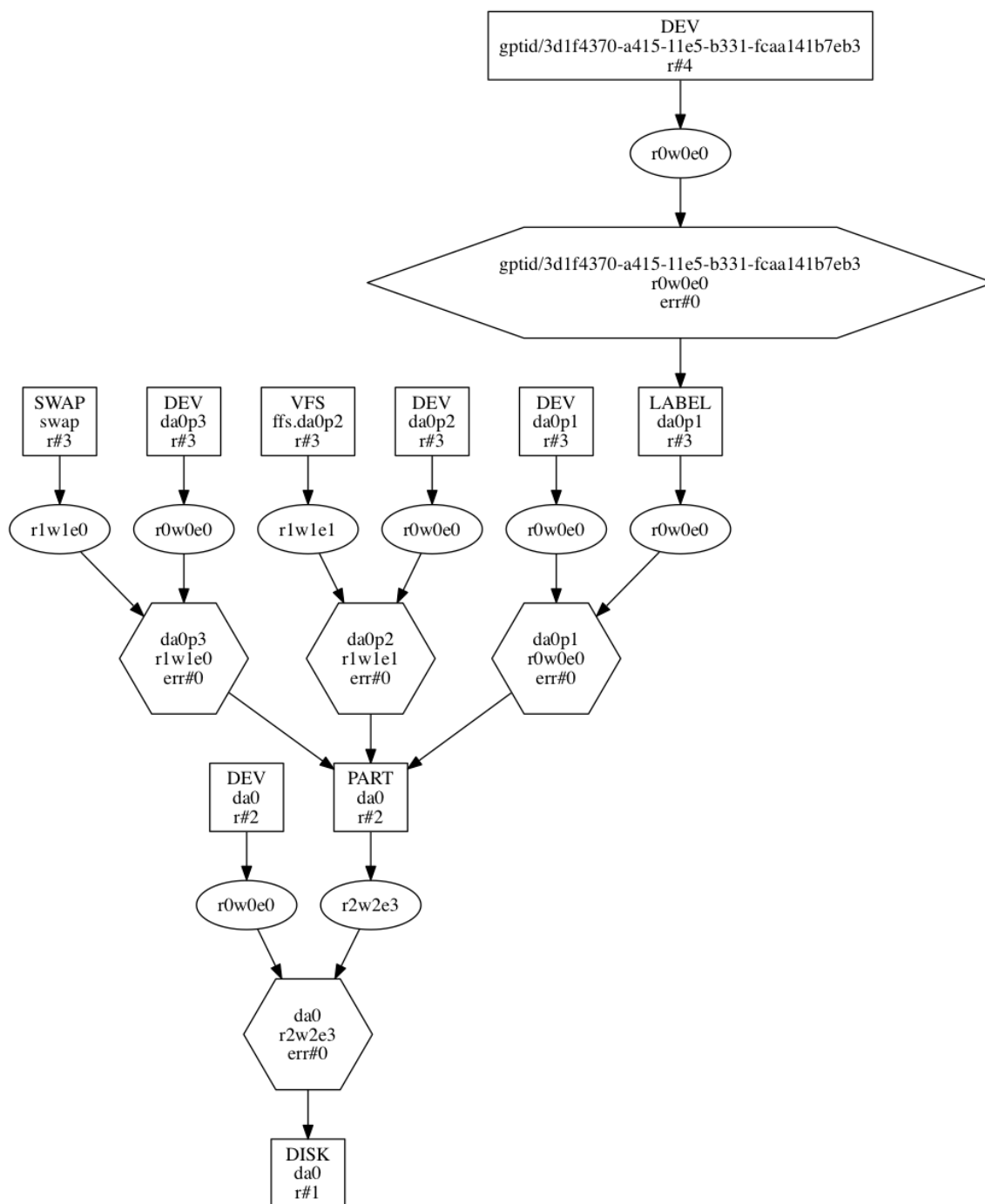
LSI MegaRAID SASドライバとしてmrsas(4)が使われた場合、/dev/以下に表示されるファイル名は次のように変更される。

```
mfi0    → mrsas0
mfid0   → da0
mfid0s1 → da0s1a
mfid0s2 → da0s1b
```

論理パーティションの表示や名称は今後変更される可能性もあり、上記とは違う名前になる可能性もある。アップグレード対象のバージョンのリリースノートを参考にするとともに、適切な名称で/etc/fstabを書き換えるなどしてアップグレードを実施する必要がある。

FreeBSDプロジェクトは、FreeBSD 11.0-RELEASE以降はブランチでの最低5年間サポートの開始を予定している。FreeBSD 11.0-RELEASE以降は、ブランチにおける最新のリリースバージョンのみがサポートの対象となる。このため、FreeBSD 11.0-RELEASE以降はマイナーアップグレードごとにアップグレードを実施し、FreeBSD 11.1-RELEASE、FreeBSD 11.2-RELEASEへとバージョンアップを実施する必要がある。カーネルをカスタマイズしない限り、freebsd-update(8)コマンドを使ってバイナリアップデートを実施できる。

検証機GEOMツリー



高負荷耐久試験

高負荷耐久試験

試験結果

検証対象ハードウェア(maker:NEC, product:Express5800/E120f-M [N8100-2230Y], serial:4Z00107, version:FR1.2)は24時間高負荷耐久試験をクリアしており、所定の負荷に対して安定して動作するものとみられる。

不正処理高負荷耐久試験	クリア
通常ファイル作成高負荷耐久試験	クリア
FIFOファイル作成高負荷耐久試験	クリア
ディレクトリ作成高負荷耐久試験	クリア
ハードリンクファイル作成高負荷耐久試験	クリア
シンボリックリンクファイル作成高負荷耐久試験	クリア
ファイルロック機構高負荷耐久試験	クリア
メモリファイルマッピング機能高負荷耐久試験	クリア
ファイルシステム階層構造トラバース高負荷耐久試験	クリア
ファイルシステムパス解析高負荷耐久試験	クリア
ファイルシステムパスリネーム高負荷耐久試験	クリア
ファイルシステムライト・キャッシュリード高負荷耐久試験	クリア
ファイルシステムスワップ高負荷耐久試験	クリア
スレッド機構高負荷耐久試験	クリア
間接システムコール高負荷耐久試験	クリア
擬似ターミナル機構高負荷耐久試験	クリア
共有メモリ機構高負荷耐久試験	クリア
ネットワークソケット高負荷耐久試験	クリア
TCPスタック高負荷耐久試験	クリア
UDPスタック高負荷耐久試験	クリア

動作検証レポート

動作検証レポート

ACPI認識データ

ACPI_APIC	Revision=3, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_BERT	Revision=1, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x1
ACPI_DMAR	Revision=1, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_DSDT	Revision=2, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1072009, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_FACP	Revision=5, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013, FACS=0x7b8def80, DSDT=0x7b379198, SMI_CMD=0xb2, ACPI_ENABLE=0xa0, ACPI_DISABLE=0xa1, S4BIOS_REQ=0x0, FLUSH_STRIDE=16, DUTY_WIDTH=3, RESET_VALUE=0xbf
ACPI_FACS	HwSig=0x0000000f, Firm_Wake_Vec=0x00000000
ACPI_FIDT	Length=156, Revision=1, Checksum=33, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_HPET	Revision=1, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_MCFG	Revision=1, OEMID=AMI, OEM_Table ID=068F, OEM_Revision=0x1072009, Creator_ID=MSFT, Creator_Revision=0x97
ACPI_RSD_PTR	OEM=ALASKA, ACPI_Rev=2.0x_(2), XSDT=0x7b379080
ACPI_SLIT	Revision=1, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_SRAT	Revision=3, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20091013
ACPI_XSDT	Revision=1, OEMID=ALASKA, OEM_Table ID=A M I, OEM_Revision=0x1072009, Creator_ID=AMI, Creator_Revision=0x10013
ACPI_SSDT_1	Length=31847, Revision=1, Checksum=149, OEMID=ALASKA, OEM_Table ID=PmMgt, OEM_Revision=0x1, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_2	Length=6370, Revision=2, Checksum=253, OEMID=ALASKA, OEM_Table ID=SpsNm, OEM_Revision=0x2, Creator_ID=INTL, Creator_Revision=0x20120913
ACPI_SSDT_3	Length=100, Revision=2, Checksum=18, OEMID=ALASKA, OEM_Table ID=SpsNvs, OEM_Revision=0x2, Creator_ID=INTL, Creator_Revision=0x20120913

MFI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mp(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。

NMIデバイス認識データ

NMIスイッチ動作確認	クリア
-------------	-----

※ NMI機能を使用するには、"options DDB"を有効にしたカーネルである必要がある。また、sysctl(8)の"machdep.panic_on_nmi"及び"machdep.kdb_on_nmi"の値がともに"1"である必要がある。

NIC認識データ

NIC	igb0, igb1, igb2, igb3
igb0	flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST>, metric=0, mtu=1500, options=403bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, VLAN_HWTSO>, ether=fc:aa:14:1b:7e:b3, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect, status=no carrier
igb1	flags=8c02<BROADCAST, OACTIVE, SIMPLEX, MULTICAST>, metric=0, mtu=1500, options=403bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, VLAN_HWTSO>, ether=fc:aa:14:1b:7e:b4, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect, status=no carrier
igb2	flags=8c02<BROADCAST, OACTIVE, SIMPLEX, MULTICAST>, metric=0, mtu=1500, options=403bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, VLAN_HWTSO>, ether=fc:aa:14:1b:7e:b5, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect, status=no carrier
igb3	flags=8c02<BROADCAST, OACTIVE, SIMPLEX, MULTICAST>, metric=0, mtu=1500, options=403bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TSO4, TSO6, VLAN_HWTSO>, ether=fc:aa:14:1b:7e:b6, nd6_options=29<PERFORMNUD, IFDISABLED, AUTO_LINKLOCAL>, media=Ethernet autoselect, status=no carrier

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	da0
da0p1	da0p2	da0p3	devctl
devstat	dumpdev(da0p3)	fd	fd/0
fd/1	fd/2	fido	geom.ctl
gptid	gptid/3d1f4370-a415-11e5-b331-fcaa141b7eb3	io	kbd1(kbdmux0)
kbd2(ukbd1)	kbdmux0	klog	kmem
led	led/ahci0.0.fault	led/ahci0.0.locate	led/ahci0.1.fault
led/ahci0.1.locate	led/ahci0.2.fault	led/ahci0.2.locate	led/ahci0.3.fault
led/ahci0.3.locate	led/ahci0.4.fault	led/ahci0.4.locate	led/ahci0.5.fault
led/ahci0.5.locate	led/igb0	led/igb1	led/igb2
led/igb3	log(/var/run/log)	mdctl	mem
midistat	mrsas0	nfslock	null
pass0	pass1	pci	random
ses0	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)	ugen1.1(usb/1.1.0)	ugen1.2(usb/1.2.0)	ugen2.1(usb/2.1.0)

ugen2.2(usb/2.2.0)	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/0.4.2	usb/1.1.0
usb/1.1.1	usb/1.2.0	usb/1.2.1	usb/2.1.0
usb/2.1.1	usb/2.2.0	usb/2.2.1	usbctl
xpt0	zero		

PCI認識データ

1	pci0:255:11:0(none0), class=base peripheral, vendor='Intel Corporation', device=
2	pci0:255:11:1(none1), class=dasp, vendor='Intel Corporation', device=
3	pci0:255:11:2(none2), class=dasp, vendor='Intel Corporation', device=
4	pci0:255:12:0(none3), class=base peripheral, vendor='Intel Corporation', device=
5	pci0:255:12:1(none4), class=base peripheral, vendor='Intel Corporation', device=
6	pci0:255:12:2(none5), class=base peripheral, vendor='Intel Corporation', device=
7	pci0:255:12:3(none6), class=base peripheral, vendor='Intel Corporation', device=
8	pci0:255:12:4(none7), class=base peripheral, vendor='Intel Corporation', device=
9	pci0:255:12:5(none8), class=base peripheral, vendor='Intel Corporation', device=
10	pci0:255:15:0(none9), class=base peripheral, vendor='Intel Corporation', device=
11	pci0:255:15:1(none10), class=base peripheral, vendor='Intel Corporation', device=
12	pci0:255:15:4(none11), class=base peripheral, vendor='Intel Corporation', device=
13	pci0:255:15:5(none12), class=base peripheral, vendor='Intel Corporation', device=
14	pci0:255:15:6(none13), class=base peripheral, vendor='Intel Corporation', device=
15	pci0:255:16:0(none14), class=base peripheral, vendor='Intel Corporation', device=
16	pci0:255:16:1(none15), class=dasp, vendor='Intel Corporation', device=
17	pci0:255:16:5(none16), class=base peripheral, vendor='Intel Corporation', device=
18	pci0:255:16:6(none17), class=dasp, vendor='Intel Corporation', device=
19	pci0:255:16:7(none18), class=base peripheral, vendor='Intel Corporation', device=
20	pci0:255:18:0(none19), class=base peripheral, vendor='Intel Corporation', device=
21	pci0:255:18:1(none20), class=dasp, vendor='Intel Corporation', device=
22	pci0:255:19:0(none21), class=base peripheral, vendor='Intel Corporation', device=
23	pci0:255:19:1(none22), class=base peripheral, vendor='Intel Corporation', device=
24	pci0:255:19:2(none23), class=base peripheral, vendor='Intel Corporation', device=
25	pci0:255:19:3(none24), class=base peripheral, vendor='Intel Corporation', device=
26	pci0:255:19:4(none25), class=base peripheral, vendor='Intel Corporation', device=
27	pci0:255:19:5(none26), class=base peripheral, vendor='Intel Corporation', device=
28	pci0:255:19:6(none27), class=base peripheral, vendor='Intel Corporation', device=
29	pci0:255:19:7(none28), class=base peripheral, vendor='Intel Corporation', device=
30	pci0:255:20:0(none29), class=base peripheral, vendor='Intel Corporation', device=
31	pci0:255:20:1(none30), class=base peripheral, vendor='Intel Corporation', device=
32	pci0:255:20:2(none31), class=base peripheral, vendor='Intel Corporation', device=
33	pci0:255:20:3(none32), class=base peripheral, vendor='Intel Corporation', device=
34	pci0:255:20:6(none33), class=base peripheral, vendor='Intel Corporation', device=
35	pci0:255:20:7(none34), class=base peripheral, vendor='Intel Corporation', device=
36	pci0:255:21:0(none35), class=base peripheral, vendor='Intel Corporation', device=
37	pci0:255:21:1(none36), class=base peripheral, vendor='Intel Corporation', device=
38	pci0:255:21:2(none37), class=base peripheral, vendor='Intel Corporation', device=
39	pci0:255:21:3(none38), class=base peripheral, vendor='Intel Corporation', device=
40	pci0:255:22:0(none39), class=base peripheral, vendor='Intel Corporation', device=
41	pci0:255:22:6(none40), class=base peripheral, vendor='Intel Corporation', device=
42	pci0:255:22:7(none41), class=base peripheral, vendor='Intel Corporation', device=

43	pci0:255:23:0(none42), class=base peripheral, vendor='Intel Corporation', device=
44	pci0:255:23:4(none43), class=base peripheral, vendor='Intel Corporation', device=
45	pci0:255:23:5(none44), class=base peripheral, vendor='Intel Corporation', device=
46	pci0:255:23:6(none45), class=base peripheral, vendor='Intel Corporation', device=
47	pci0:255:23:7(none46), class=base peripheral, vendor='Intel Corporation', device=
48	pci0:255:30:0(none47), class=base peripheral, vendor='Intel Corporation', device=
49	pci0:255:30:1(none48), class=base peripheral, vendor='Intel Corporation', device=
50	pci0:255:30:2(none49), class=base peripheral, vendor='Intel Corporation', device=
51	pci0:255:30:3(none50), class=base peripheral, vendor='Intel Corporation', device=
52	pci0:255:30:4(none51), class=base peripheral, vendor='Intel Corporation', device=
53	pci0:255:31:0(none52), class=base peripheral, vendor='Intel Corporation', device=
54	pci0:255:31:2(none53), class=base peripheral, vendor='Intel Corporation', device=
55	pci0:0:0:0(hostb0), class=HOST-PCI, vendor='Intel Corporation', device=
56	pci0:0:1:0(pcib2), class=PCI-PCI, vendor='Intel Corporation', device=
57	pci0:0:2:0(pcib3), class=PCI-PCI, vendor='Intel Corporation', device=
58	pci0:0:3:0(pcib4), class=PCI-PCI, vendor='Intel Corporation', device=
59	pci0:0:3:1(pcib5), class=PCI-PCI, vendor='Intel Corporation', device=
60	pci0:0:3:2(pcib6), class=PCI-PCI, vendor='Intel Corporation', device=
61	pci0:0:3:3(pcib7), class=PCI-PCI, vendor='Intel Corporation', device=
62	pci0:0:4:0(none54), class=base peripheral, vendor='Intel Corporation', device=
63	pci0:0:4:1(none55), class=base peripheral, vendor='Intel Corporation', device=
64	pci0:0:4:2(none56), class=base peripheral, vendor='Intel Corporation', device=
65	pci0:0:4:3(none57), class=base peripheral, vendor='Intel Corporation', device=
66	pci0:0:4:4(none58), class=base peripheral, vendor='Intel Corporation', device=
67	pci0:0:4:5(none59), class=base peripheral, vendor='Intel Corporation', device=
68	pci0:0:4:6(none60), class=base peripheral, vendor='Intel Corporation', device=
69	pci0:0:4:7(none61), class=base peripheral, vendor='Intel Corporation', device=
70	pci0:0:5:0(none62), class=base peripheral, vendor='Intel Corporation', device=
71	pci0:0:5:1(none63), class=base peripheral, vendor='Intel Corporation', device=
72	pci0:0:5:2(none64), class=base peripheral, vendor='Intel Corporation', device=
73	pci0:0:5:4(ioapic0), class=interrupt controller, vendor='Intel Corporation', device=
74	pci0:0:17:0(none65), class=, vendor='Intel Corporation', device=
75	pci0:0:20:0(xhci0), class=USB, vendor='Intel Corporation', device=
76	pci0:0:22:0(none66), class=simple comms, vendor='Intel Corporation', device=
77	pci0:0:22:1(none67), class=simple comms, vendor='Intel Corporation', device=
78	pci0:0:26:0(ehci0), class=USB, vendor='Intel Corporation', device=
79	pci0:0:28:0(pcib8), class=PCI-PCI, vendor='Intel Corporation', device=
80	pci0:0:28:2(pcib9), class=PCI-PCI, vendor='Intel Corporation', device=
81	pci0:0:29:0(ehci1), class=USB, vendor='Intel Corporation', device=
82	pci0:0:31:0(isab0), class=PCI-ISA, vendor='Intel Corporation', device=
83	pci0:0:31:2(ahci0), class=SATA, vendor='Intel Corporation', device=
84	pci0:0:31:3(none68), class=SMBus, vendor='Intel Corporation', device=
85	pci0:1:0:0(mrsas0), class=RAID, vendor='LSI Logic / Symbios Logic', device='MegaRAID SAS-3 3108 [Invader]'
86	pci0:112:0:0(igb0), class=ethernet, vendor='Intel Corporation', device='I350 Gigabit Network Connection'

87	pci0:112:0:1(igb1), class=ethernet, vendor='Intel Corporation', device='I350 Gigabit Network Connection'
88	pci0:112:0:2(igb2), class=ethernet, vendor='Intel Corporation', device='I350 Gigabit Network Connection'
89	pci0:112:0:3(igb3), class=ethernet, vendor='Intel Corporation', device='I350 Gigabit Network Connection'
90	pci0:125:0:0(vgapci0), class=VGA, vendor='Matrox Electronics Systems Ltd.', device='MGA G200e [Pilot] ServerEngines (SEP1)'

メモリ認識データ

1	0x0/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
2	0x10000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
3	0x20000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
4	0x30000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
5	0x40000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
6	0x50000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
7	0x60000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
8	0x70000/0x10000 BIOS write-back fixed-base fixed-length set-by-firmware active
9	0x80000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
10	0x84000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
11	0x88000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
12	0x8c000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
13	0x90000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
14	0x94000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
15	0x98000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
16	0x9c000/0x4000 BIOS write-back fixed-base fixed-length set-by-firmware active
17	0xa0000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
18	0xa4000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
19	0xa8000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
20	0xac000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
21	0xb0000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
22	0xb4000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
23	0xb8000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
24	0xbc000/0x4000 BIOS uncacheable fixed-base fixed-length set-by-firmware active
25	0xc0000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
26	0xc1000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
27	0xc2000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
28	0xc3000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
29	0xc4000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
30	0xc5000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
31	0xc6000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
32	0xc7000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
33	0xc8000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
34	0xc9000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
35	0xca000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
36	0xcb000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
37	0xcc000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
38	0xcd000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
39	0xce000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
40	0xcf000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
41	0xd0000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
42	0xd1000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active

87	0xfe000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
88	0xff000/0x1000 BIOS write-protect fixed-base fixed-length set-by-firmware active
89	0x80000000/0x80000000 BIOS uncacheable set-by-firmware active
90	0x380000000000/0x4000000000 BIOS uncacheable set-by-firmware active
91	0xfa000000/0x1000000 BIOS write-through set-by-firmware active

動作検証レポート 詳細データ

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_pcidrv=""
comconsole_port="1016"
comconsole_speed="9600"
console="vidconsole"
currdev="disk0p2:"
hint.acpi.0.oem="ALASKA"
hint.acpi.0.revision="2"
hint.acpi.0.rsdpr="0x000f0530"
hint.acpi.0.rsdtr="0x7b379028"
hint.acpi.0.xsdt="0x000000007b379080"
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="0x060"
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.mfi.mrsas_enable="1"
interpret="OK"
kernel="kernel"
kernel[0]="kernel"
kernel[1]="kernel.old"
kernel_options=""
kernelname="/boot/kernel/kernel"
loaddev="disk0p2:"
loader_conf_files="/boot/device.hints /boot/loader.conf /boot/loader.conf.local"
mac_ifoff="NO"
module_path="/boot/kernel;/boot/modules"
smbios.bios.reldate="10/20/2014"
smbios.bios.vendor="American Megatrends Inc."
smbios.bios.version="5.0.3009"
smbios.chassis.maker="NEC"
smbios.chassis.serial="01"
smbios.chassis.tag="-----"
smbios.chassis.version="243-428634-001"
smbios.memory.enabled="33554432"
smbios.planar.maker="GIGABYTE"
smbios.planar.product="M803-P41"
smbios.planar.serial="0EM7N600105"
smbios.planar.version="1.0A"
smbios.socket.enabled="1"
smbios.socket.populated="1"
smbios.system.maker="NEC"
smbios.system.product="Express5800/E120f-M [N8100-2230Y]"
smbios.system.serial="4200107"
smbios.system.uuid="fad4d57e-e781-e411-8001-fcaa141b7eb7"
smbios.system.version="FR1.2"
smbios.version="2.7"
temp_options=""
vfs.root.mountfrom="ufs:/dev/da0p2"
```

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: 10.1-RELEASE
kern.osrevision: 199506
kern.version: FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014
root@releng1.nyi.freebsd.org:/usr/obj/usr/src/sys/GENERIC
kern.maxvnodes: 620217
kern.maxproc: 38052
kern.maxfiles: 1045242
kern.argmax: 262144
kern.securelevel: -1
kern.hostname: verify.bsdconsulting.co.jp
kern.hostid: 41319388
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 = 1450680350, usec = 353246 } Mon Dec 21 15:45:50 2015
kern.domainname:
kern.osreldate: 1001000
kern.bootfile: /boot/kernel/kernel
kern.maxfilesperproc: 940716
kern.maxprocperuid: 34246
kern.ipc.maxsockbuf: 2097152
kern.ipc.sockbuf_waste_factor: 8
kern.ipc.max_linkhdr: 16
kern.ipc.max_protobdr: 60
kern.ipc.max_hdr: 76
kern.ipc.max_datalen: 92
kern.ipc.maxbufmem: 16660494336
kern.ipc.nmbclusters: 2033752
kern.ipc.nmbjumbo: 1016875
kern.ipc.nmbjumbo9: 903888
kern.ipc.nmbjumbo16: 677916
kern.ipc.nmbufs: 13016025
kern.ipc.maxpipekva: 535162880
kern.ipc.pipekva: 0
kern.ipc.pipefragretry: 0
kern.ipc.pipelocfail: 0
kern.ipc.piperesizefail: 0
kern.ipc.piperesizeallowed: 1
kern.ipc.msgmax: 16384
kern.ipc.msgmni: 40
kern.ipc.msgmnb: 2048
kern.ipc.msgq: 40
kern.ipc.msgssz: 8
kern.ipc.msgseg: 2048
kern.ipc.semni: 50
kern.ipc.semns: 340
kern.ipc.semnu: 150
kern.ipc.semml: 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.shmmin: 1
kern.ipc.shmmni: 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: 13
kern.ipc.maxsockets: 1045245
kern.ipc.sendfile.readahead: 1
kern.dummy: 0
kern.ps_strings: 140737488351200
kern.usrstack: 140737488351232
kern.logsigexit: 1
kern.iov_max: 1024
kern.hostuid: fad4d57e-e781-e411-8001-fcaa141b7eb7
kern.cam.sort_io_queues: 1
kern.cam.boot_delay: 0
kern.cam.num_doneqs: 3
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.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: 131072
kern.cam.da.0.minimum_cmd_size: 6
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: dummy,yarrow
kern.random.active_adaptor: yarrow
kern.random.live_entropy_sources: Hardware, Intel Secure Key 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.vt.enable_altgr: 1
kern.vt.debug: 0
kern.vt.deadtimer: 15
kern.vt.suspendswitch: 1
kern.vt.kbd_halt: 1
kern.vt.kbd_poweroff: 1
kern.vt.kbd_reboot: 1
kern.vt.kbd_debug: 1
kern.vt.kbd_panic: 0
kern.disks: da0
kern.geom.dev.delete_max_sectors: 262144
kern.geom.disk.da0.led:
kern.geom.transient_maps: 155098515
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>
kern.geom.confdot: digraph geom {
kern.geom.confxtxt: 0 DISK da0 249443647488 512 hd 255 sc 63
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
kern.geom.label.gptid.enable: 1
kern.geom.label.disk_ident.enable: 1
kern.geom.part.check_integrity: 1
kern.geom.part.mbr.enforce_chs: 1
kern.geom.raid.enable: 1
kern.geom.raid.aggressive_spare: 0
kern.geom.raid.debug: 0
kern.geom.raid.read_err_thresh: 30
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.raid1e.rebuild_slab_size: 1048576
kern.geom.raid.raid1e.rebuild_fair_io: 20
kern.geom.raid.raid1e.rebuild_cluster_idle: 100
kern.geom.raid.raid1e.rebuild_meta_update: 1024
kern.geom.raid.raid1e.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: 56958512 0 38958664 1200655 35772343
kern.cp_times: 4742711 0 3212489 93514 3025499 4768311 0 3261359 90021 2954487 4813222 0 3224088 85261 2951607 4805477 0 3214209 83695 2970797
4765269 0 3232902 83592 2992415 4764667 0 3238168 85740 2985604 4536898 0 3132866 235404 3169010 4621455 0 3402490 97002 2953232 4807632 0
3230582 85340 2950624 4812133 0 3239451 88433 2934161 4819145 0 3227515 85909 2941609 4701592 0 3342545 86744 2943298
kern.console: ttyv0,/ttyv0,uart,ttyv0,
kern.consmute: 0
kern.consmgbuf_size: 8192
kern.constty_wakeups_per_second: 5
kern.vty: sc
kern.openfiles: 53
kern.eventtimer.et.LAPIC.flags: 7
kern.eventtimer.et.LAPIC.frequency: 50000975
kern.eventtimer.et.LAPIC.quality: 600
kern.eventtimer.et.RTC.flags: 17
kern.eventtimer.et.RTC.frequency: 32768
kern.eventtimer.et.RTC.quality: 0
kern.eventtimer.et.i8254.flags: 1
kern.eventtimer.et.i8254.frequency: 1193182
kern.eventtimer.et.i8254.quality: 100
kern.eventtimer.et.HPET.flags: 3
kern.eventtimer.et.HPET.frequency: 14318180
kern.eventtimer.et.HPET.quality: 350
kern.eventtimer.et.HPET1.flags: 3
kern.eventtimer.et.HPET1.frequency: 14318180
kern.eventtimer.et.HPET1.quality: 340
kern.eventtimer.et.HPET2.flags: 3
kern.eventtimer.et.HPET2.frequency: 14318180
kern.eventtimer.et.HPET2.quality: 340
kern.eventtimer.et.HPET3.flags: 3
kern.eventtimer.et.HPET3.frequency: 14318180
kern.eventtimer.et.HPET3.quality: 340
kern.eventtimer.et.HPET4.flags: 3
kern.eventtimer.et.HPET4.frequency: 14318180
kern.eventtimer.et.HPET4.quality: 340
kern.eventtimer.et.HPET5.flags: 3
kern.eventtimer.et.HPET5.frequency: 14318180
kern.eventtimer.et.HPET5.quality: 340
kern.eventtimer.et.HPET6.flags: 3
kern.eventtimer.et.HPET6.frequency: 14318180
kern.eventtimer.et.HPET6.quality: 340
kern.eventtimer.et.HPET7.flags: 3
kern.eventtimer.et.HPET7.frequency: 14318180
kern.eventtimer.et.HPET7.quality: 340
kern.eventtimer.choice: LAPIC(600) HPET(350) HPET1(340) HPET2(340) HPET3(340) HPET4(340) HPET5(340) HPET6(340) HPET7(340) 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: 47526
kern.randompid: 0
kern.ktrace.genio_size: 4096
kern.ktrace.request_pool: 100
kern.module_path: /boot/kernel;/boot/modules
kern.malloc_count: 357
kern.ident: GENERIC
kern.compiler_version: FreeBSD clang version 3.4.1 (tags/RELEASE_34/dot1-final 208032) 20140512
kern.maxusers: 2377
kern.supported_archs: amd64 i386
kern.conftxt: options CONFIG_AUTOGENERATED
kern.features.scbus: 1
kern.features.compat_freebsd32bit: 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.sctp: 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.proc_vmmmap_skip_resident_count: 0
kern.panic_reboot_wait_time: 15
kern.sync_on_panic: 0
kern.shutdown.show_busybufs: 0
kern.shutdown.poweroff_delay: 5000
kern.shutdown.kproc_shutdown_wait: 60
kern.shutdown.dumpdevname: da0p3
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
kern.nodump_coredump: 0
kern.corefile: %N.core
kern.fscale: 2048
kern.timecounter.tc.i8254.mask: 65535
kern.timecounter.tc.i8254.counter: 35399
kern.timecounter.tc.i8254.frequency: 1193182
kern.timecounter.tc.i8254.quality: 0
kern.timecounter.tc.HPET.mask: 4294967295
kern.timecounter.tc.HPET.counter: 4269548243
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: 6260620
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: 1390641980
kern.timecounter.tc.TSC-low.frequency: 1200023228
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>
kern.ccpu: 0
kern.devstat.numdevs: 3
kern.devstat.generation: 333
kern.devstat.version: 6
kern.hintmode: 0
kern.kobj_methodcount: 229
kern.log_wakeups_per_second: 5

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kern.msgbuf_show_timestamp: 0
kern.hz: 1000
kern.nbuf: 105931
kern.nswbuf: 256
kern.msgbufsize: 98304
kern.maxswzone: 0
kern.maxbcache: 0
kern.bio_transient_maxcnt: 1024
kern.maxtsiz: 134217728
kern.dfldsiz: 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: 11
kern.smp_maxcpus: 64
kern.smp_active: 1
kern.smp_disabled: 0
kern.smp_cpus: 12
kern.smp_topology: 0
kern.smp_forward_signal_enabled: 1
kern.tty_inq_flush_secure: 1
kern.tty_nin: 483
kern.tty_nout: 240602
kern.filedelay: 30
kern.dirdelay: 29
kern.metadelat: 28
kern.minvnodes: 155054
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: 16)
Virtual Memory: (Total: 430144K Active: 413408K)
Real Memory: (Total: 176664K Active: 10280K)
Shared Virtual Memory: (Total: 5448K Active: 5448K)
Shared Real Memory: (Total: 2832K Active: 2832K)
Free Memory: 31584788K
vm.loadavg: { 2.28 50.01 87.81 }
vm.v_free_min: 51315
vm.v_free_target: 173334
vm.v_free_reserved: 10642
vm.v_inactive_target: 260001
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: 33320988672
vm.kmem_zmax: 65536
vm.kmem_size_min: 0
vm.kmem_size_max: 1319413950874
vm.kmem_size_scale: 1
vm.kmem_map_size: 56803328
vm.kmem_map_free: 33264185344
vm.swap_total: 4294967296
vm.swap_reserved: 216305664
vm.overcommit: 0
vm.swzone: 1171440864
vm.swap_maxpages: 130160096
vm.swap_async_max: 4
vm.dmmx: 32
vm.nswapdev: 1
vm.zone_count: 106
vm.zone_warnings: 1
vm.kstack_cache_size: 128
vm.kstacks: 451
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: 30978
vm.stats.sys.v_swch: 3913358013
vm.stats.sys.v_trap: 3814183295
vm.stats.sys.v_syscall: 107238248
vm.stats.sys.v_intr: 336641675
vm.stats.sys.v_soft: 131578498
vm.stats.vm.v_vm_faults: 3307423004
vm.stats.vm.v_io_faults: 1515325
vm.stats.vm.v_cow_faults: 1207673
vm.stats.vm.v_cow_optim: 672
vm.stats.vm.v_zfod: 3291164376
vm.stats.vm.v_ozfod: 732689
vm.stats.vm.v_swapin: 1493142
vm.stats.vm.v_swapout: 10158766
vm.stats.vm.v_swappgsin: 10284512
vm.stats.vm.v_swappgsout: 158119593
vm.stats.vm.v_vnodein: 30874

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vm.stats.vm.v_vnodeout: 0
vm.stats.vm.v_vnodepgsin: 171777
vm.stats.vm.v_vnodepgsout: 0
vm.stats.vm.v_intrans: 1636740
vm.stats.vm.v_reactivated: 1603776971
vm.stats.vm.v_pdwakeup: 7726
vm.stats.vm.v_pdpages: 2439984123
vm.stats.vm.v_tcached: 1977380161
vm.stats.vm.v_dfree: 0
vm.stats.vm.v_pfree: 3160180874
vm.stats.vm.v_tfree: 3700903982
vm.stats.vm.v_page_size: 4096
vm.stats.vm.v_page_count: 8135007
vm.stats.vm.v_free_reserved: 10642
vm.stats.vm.v_free_target: 173334
vm.stats.vm.v_free_min: 51315
vm.stats.vm.v_free_count: 7896197
vm.stats.vm.v_wire_count: 235948
vm.stats.vm.v_active_count: 823
vm.stats.vm.v_inactive_target: 260001
vm.stats.vm.v_inactive_count: 2038
vm.stats.vm.v_cache_count: 0
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: 38500
vm.stats.vm.v_vforks: 9009
vm.stats.vm.v_rforks: 0
vm.stats.vm.v_kthreads: 17
vm.stats.vm.v_forkpages: 1286171
vm.stats.vm.v_vforkpages: 305205
vm.stats.vm.v_rforkpages: 0
vm.stats.vm.v_kthreadpages: 0
vm.stats.misc.zero_page_count: 3472
vm.stats.misc.cnt_prezero: 0
vm.stats.object.collapses: 43919
vm.stats.object.bypasses: 67553
vm.old_mlock: 0
vm.old_msync: 0
vm.boot_pages: 64
vm.tryrelock_restart: 375
vm.pageout_wakeup_thresh: 56441
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: 2691848
vm.phys_free:
DOMAIN 0:
FREE LIST 0:
FREE LIST 1:
vm.phys_segs:
SEGMENT 0:
start: 0x10000
end: 0x9b000
domain: 0
free list: 0xffffffff815d14b8
SEGMENT 1:
start: 0x100000
end: 0x200000
domain: 0
free list: 0xffffffff815d14b8
SEGMENT 2:
start: 0x197b000
end: 0x7ada9000
domain: 0
free list: 0xffffffff815d1110
SEGMENT 3:
start: 0x7bd5d000
end: 0x7bd5e000
domain: 0
free list: 0xffffffff815d1110
SEGMENT 4:
start: 0x7bde4000
end: 0x7c000000
domain: 0
free list: 0xffffffff815d1110
SEGMENT 5:
start: 0x100000000
end: 0x848989000
domain: 0
free list: 0xffffffff815d1110
vm.ndomains: 1
vm.reserv.broken: 16
vm.reserv.freed: 3729281
vm.reserv.partpopq:
-1: 48752K, 25
vm.reserv.reclaimed: 60324
vm.idlezero_enable: 0
vm.pmap.pat_works: 1

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vm.pmap.pg_ps_enabled: 1
vm.pmap.pcid_enabled: 0
vm.pmap.invpqid_works: 0
vm.pmap.pcid_save_cnt: 0
vm.pmap.pde.demotions: 188
vm.pmap.pde.mappings: 0
vm.pmap.pde.p_failures: 6360
vm.pmap.pde.promotions: 3635933
vm.pmap.pdpe.demotions: 3
vm.kvm_size: 2199023251456
vm.kvm_free: 2163061288960
vfs.ufs.dirhash_minsize: 2560
vfs.ufs.dirhash_maxmem: 27111424
vfs.ufs.dirhash_mem: 94452
vfs.ufs.dirhash_docheck: 0
vfs.ufs.dirhash_lowmemcount: 2701
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_paranoia: 1
vfs.nfs.diskless_valid: 0
vfs.nfs.diskless_rootpath:
vfs.nfs.iოდmaxidle: 120
vfs.nfs.iოდmin: 0
vfs.nfs.iოდmax: 20
vfs.nfs.defect: 0
vfs.devfs.generation: 213
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.debuglevel: 0
vfs.nfsd.enable_stringtoid: 0
vfs.nfsd.tcphighwater: 0
vfs.nfsd.udphighwater: 500
vfs.nfsd.tcpcachetimeo: 43200
vfs.nfsd.cachetcp: 1
vfs.nfsd.minthreads: 1
vfs.nfsd.maxthreads: 1
vfs.nfsd.threads: 0
vfs.nfsd.groups: 1
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.vmiодirenable: 1
vfs.runningbufspace: 0
vfs.bufspace: 1022558208
vfs.unmapped_bufspace: 727580672
vfs.maxbufspace: 1735573504
vfs.bufmallospace: 0
vfs.maxmallocbufspace: 86745907
vfs.lobufspace: 1734852608
vfs.hibufspace: 1734918144
vfs.bufreusecnt: 288986334
vfs.buffreekvacnt: 288983410
vfs.bufdefragcnt: 0
vfs.lorunningspace: 11206656

vfs.hirunningspace: 16777216
vfs.dirtybufferflushes: 0
vfs.bdwriteskip: 0
vfs.altbufferflushes: 0
vfs.recursiveflushes: 158879556
vfs.numdirtybuffers: 13
vfs.lodirtybuffers: 13251
vfs.hidirtybuffers: 26502
vfs.dirtybufthresh: 23851
vfs.numfreebuffers: 105918
vfs.lofreebuffers: 5890
vfs.hifreebuffers: 11780
vfs.getnewbufcalls: 596247625
vfs.getnewbufrestarts: 265221215
vfs.mappingrestarts: 0
vfs.flushbufqtarget: 100
vfs.notbufdflushes: 0
vfs.barrierwrites: 11048
vfs.unmapped_buf_allowed: 1
vfs.flushwithdeps: 60289600
vfs.ncnegfactor: 16
vfs.ncsizefactor: 2
vfs.cache.numneg: 11
vfs.cache.numcache: 187
vfs.cache.numcalls: 1597380157
vfs.cache.dothis: 40403
vfs.cache.dotdothis: 257333825
vfs.cache.numchecks: 10943882
vfs.cache.nummiss: 797836715
vfs.cache.nummisszap: 532301909
vfs.cache.numposzaps: 8529388
vfs.cache.numposhits: 1079671
vfs.cache.numnegzaps: 1875
vfs.cache.numneghits: 99643
vfs.cache.numupgrades: 152837
vfs.cache.numfullpathcalls: 15436
vfs.cache.numfullpathfail1: 0
vfs.cache.numfullpathfail2: 0
vfs.cache.numfullpathfail4: 0
vfs.cache.numfullpathfound: 15550
vfs.write_behind: 1
vfs.read_max: 64
vfs.read_min: 1
vfs.typenumhash: 1
vfs.lookup_shared: 1
vfs.usermount: 0
vfs.numvnodes: 3924
vfs.wantfreenvodes: 155054
vfs.freevnodes: 3716
vfs.vlru_allow_cache_src: 0
vfs.reassignbufcalls: 834972859
vfs.timestamp_precision: 0
vfs.worklist_len: 3
vfs.ffs.doasyncfree: 1
vfs.ffs.dorealloclbks: 1
vfs.ffs.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.rtmixpire: 10
net.inet.ip.rtmxcache: 128
net.inet.ip.sourceroute: 0
net.inet.ip.intr_queue_maxlen: 256
net.inet.ip.intr_queue_drops: 1237039
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

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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.fragpackets: 0
net.inet.ip.maxfragsperpacket: 16
net.inet.ip.maxfragpackets: 63554
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:
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
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.mssdflt: 536
net.inet.tcp.keepidle: 7200000
net.inet.tcp.keepintvl: 75000
net.inet.tcp.sendspace: 32768
net.inet.tcp.recvspace: 65536
net.inet.tcp.keeppit: 75000
net.inet.tcp.delacktime: 100
net.inet.tcp.v6mssdflt: 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: 1
net.inet.tcp.hostcache.expire: 3600
net.inet.tcp.hostcache.prune: 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: 127200
net.inet.tcp.reass.cursegments: 0
net.inet.tcp.reass.overflows: 10
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: 262144
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.syncookies: 1
net.inet.tcp.syncookies_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.rexmtlimit: 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
```

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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.maxtcptw: 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.pr_enable: 1
net.inet.sctp.auth_disable: 0
net.inet.sctp.asconf_enable: 1
net.inet.sctp.reconfig_enable: 1
net.inet.sctp.nr_sack_on_off: 0
net.inet.sctp.pkt_drop_enable: 0
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: 254219
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
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.cmt_use_dac: 0
net.inet.sctp.cwnd_maxburst: 1
net.inet.sctp.nat_friendly: 1
net.inet.sctp.abc_lvar: 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.sctp.diag_info_code: 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
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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: 508438
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.gihlim: 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.rtmxcache: 128
net.inet6.ip6.use_tempaddr: 0
net.inet6.ip6.templtime: 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: 508438
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_mmaxtries: 3
net.inet6.icmp6.nd6_useloopback: 1
net.inet6.icmp6.nodeinfo: 3
net.inet6.icmp6.errppslimit: 100
net.inet6.icmp6.nd6_maxnudhint: 0
net.inet6.icmp6.nd6_debug: 0
net.inet6.icmp6.nd6_maxqueuelen: 1
net.inet6.icmp6.nodeinfo_oldmcprefix: 1
net.inet6.icmp6.nd6_onlink_ns_rfc4861: 0
net.inet6.icmp6.nd6_gc timer: 86400
net.inet6.mld.gsrdelay: 10
net.inet6.mld.vlenable: 1
net.inet6.mld.use_allow: 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.maxreq_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
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net.wlan.hwmp.inact: 5000
net.wlan.mesh.gateint: 10000
net.wlan.mesh.retrytimeout: 40
net.wlan.mesh.holdingtimeout: 40
net.wlan.mesh.confirmttimeout: 40
net.wlan.mesh.backofftimeout: 5000
net.wlan.mesh.maxretries: 2
net.wlan.mesh.maxholding: 2
debug.acpi.max_tasks: 256
debug.acpi.max_threads: 3
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.mddebug: 0
debug.wpi: 0
debug.elf64_legacy_core_dump: 0
debug.elf32_legacy_core_dump: 0
debug.boothowto: 0
debug.bootverbose: 0
debug.cpubfreq.lowest: 0
debug.cpubfreq.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
debug.sizeof.g_consumer: 96
debug.sizeof.g_bioq: 56
debug.sizeof.vnode: 472
debug.sizeof.proc: 1216
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.available: 0
debug.kdb.current: 0
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: 1048575
debug.numneg: 11
debug.numcache: 187
debug.numcachehv: 40
debug.vfscache: 1
debug.disablecwd: 0
debug.disablefullpath: 0
debug.rush_requests: 19699951
debug.vnlru_nowhere: 0
debug.vn_io_fault_enable: 1
debug.vn_io_faults: 9905
debug.if_tun_debug: 0
debug.nlm_debug: 0
debug.fsckcmds: 0
debug.dopersistence: 0
debug.snapdebug: 0
debug.collectsnapstats: 0
debug.softdep.total.pagedep: 268317544
debug.softdep.total.inodedep: 558670735
debug.softdep.total.bmsafemap: 541432332
debug.softdep.total.newblk: 360338162
debug.softdep.total.alloccdirect: 259842046
debug.softdep.total.indirdep: 281867
debug.softdep.total.alloccindir: 100496116

debug.softdep.total.freefrag: 21327655
debug.softdep.total.freeblks: 257389194
debug.softdep.total.freefile: 540912125
debug.softdep.total.diradd: 540917309
debug.softdep.total.mkdir: 514756770
debug.softdep.total.dirrem: 540913234
debug.softdep.total.newdirblk: 258795980
debug.softdep.total.freework: 260203299
debug.softdep.total.freedep: 35722
debug.softdep.total.jaddrf: 1055674079
debug.softdep.total.jremref: 1055669916
debug.softdep.total.jmvref: 0
debug.softdep.total.jnewblk: 360338162
debug.softdep.total.jfreeblk: 0
debug.softdep.total.jfreefrag: 21327655
debug.softdep.total.jseg: 6265515
debug.softdep.total.jsegdep: 2493009812
debug.softdep.total.sbdep: 922898
debug.softdep.total.jtrunc: 0
debug.softdep.total.jfsync: 0
debug.softdep.highuse.pagedep: 272540
debug.softdep.highuse.inodedep: 414938
debug.softdep.highuse.bmsafemap: 159188
debug.softdep.highuse.newblk: 24
debug.softdep.highuse.allocdirect: 23731
debug.softdep.highuse.indirdep: 72
debug.softdep.highuse.allocindir: 175860
debug.softdep.highuse.freefrag: 3073
debug.softdep.highuse.freeblks: 171785
debug.softdep.highuse.freefile: 900327
debug.softdep.highuse.diradd: 312376
debug.softdep.highuse.mkdir: 7077
debug.softdep.highuse.dirrem: 1398345
debug.softdep.highuse.newdirblk: 77372
debug.softdep.highuse.freework: 321235
debug.softdep.highuse.freedep: 155
debug.softdep.highuse.jaddrf: 691118
debug.softdep.highuse.jremref: 25769
debug.softdep.highuse.jmvref: 0
debug.softdep.highuse.jnewblk: 96974
debug.softdep.highuse.jfreeblk: 0
debug.softdep.highuse.jfreefrag: 41
debug.softdep.highuse.jseg: 33199
debug.softdep.highuse.jsegdep: 955849
debug.softdep.highuse.sbdep: 1
debug.softdep.highuse.jtrunc: 0
debug.softdep.highuse.jfsync: 0
debug.softdep.current.pagedep: 271355
debug.softdep.current.inodedep: 93288
debug.softdep.current.bmsafemap: 159184
debug.softdep.current.newblk: 0
debug.softdep.current.allocdirect: 3
debug.softdep.current.indirdep: 0
debug.softdep.current.allocindir: 0
debug.softdep.current.freefrag: 2768
debug.softdep.current.freeblks: 92235
debug.softdep.current.freefile: 591837
debug.softdep.current.diradd: 298155
debug.softdep.current.mkdir: 33
debug.softdep.current.dirrem: 1219735
debug.softdep.current.newdirblk: 75629
debug.softdep.current.freework: 251514
debug.softdep.current.freedep: 0
debug.softdep.current.jaddrf: 665180
debug.softdep.current.jremref: 2404
debug.softdep.current.jmvref: 0
debug.softdep.current.jnewblk: 76340
debug.softdep.current.jfreeblk: 0
debug.softdep.current.jfreefrag: 11
debug.softdep.current.jseg: 8
debug.softdep.current.jsegdep: 644309
debug.softdep.current.sbdep: 0
debug.softdep.current.jtrunc: 0
debug.softdep.current.jfsync: 0
debug.softdep.write.pagedep: 23114711
debug.softdep.write.inodedep: 6324518805
debug.softdep.write.bmsafemap: 25619364
debug.softdep.write.newblk: 0
debug.softdep.write.allocdirect: 5144651
debug.softdep.write.indirdep: 275370
debug.softdep.write.allocindir: 80086384
debug.softdep.write.freefrag: 0
debug.softdep.write.freeblks: 5284245
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: 6045003
debug.softdep.write.jsegdep: 1615283
debug.softdep.write.sbdep: 924407
debug.softdep.write.jtrunc: 0
debug.softdep.write.jfsync: 0
debug.softdep.max_softdeps: 2480868
debug.softdep.tickdelay: 2
debug.softdep.flush_threads: 1
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: 6398060
debug.softdep.indir_blk_ptrs: 16310
debug.softdep.inode_bitmap: 131832433
debug.softdep.direct_blk_ptrs: 4436185
debug.softdep.dir_entry: 10537800
debug.softdep.jaddrref_rollback: 881192294
debug.softdep.jnewblk_rollback: 7680456
debug.softdep.journal_low: 14738795
debug.softdep.journal_min: 76
debug.softdep.journal_wait: 7600464
debug.softdep.jwait_filepage: 4151846
debug.softdep.jwait_freeblks: 0
debug.softdep.jwait_inode: 3152928
debug.softdep.jwait_newblk: 295690
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.softdep.emptyjblocks: 77
debug.softdep.print_threads: 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
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 E5-2620 v3 @ 2.40GHz
hw.ncpu: 12
hw.byteorder: 1234
hw.physmem: 34250514432
hw.usermem: 33283981312
hw.pagesize: 4096
hw.floatingpoint: 1
hw.machine_arch: amd64
hw.realmem: 34359738368
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.ixl.enable_msix: 1
hw.ixl.ring_size: 1024
hw.ixl.max_queues: 0
hw.ixl.dynamic_rx_itr: 0
hw.ixl.dynamic_tx_itr: 0
hw.ixl.rx_itr: 62
hw.ixl.tx_itr: 122
hw.ixlv.ring_size: 1024
hw.ixlv.max_queues: 0
hw.ixlv.txbr_size: 16777216
hw.ixlv.dynamic_rx_itr: 0
hw.ixlv.dynamic_tx_itr: 0
hw.ixlv.rx_itr: 62
hw.ixlv.tx_itr: 122
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.mfi.mrsas_enable: 1
hw.mmc.debug: 0
hw.mwl.rxdesc: 256
hw.mwl.rxbuf: 640
hw.mwl.txbuf: 256
hw.mwl.txcoalesce: 8
hw.mwl.rxquota: 640
hw.mwl.rxdm_low: 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.reallocBars: 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.clearBars: 0
hw.pci.clear_pciB: 0
hw.pci.default_vgapci_unit: 0
hw.pci.mcfg: 1
hw.pci.host_mem_start: 2147483648
hw.sdhci.debug: 0

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hw.sdhci.enable_msi: 1
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.instruff: 0
hw.midi.seq.debug: 0
hw.syscons.saver.keybonly: 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.iadbug: 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
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.txerate: 0
hw.wi.debug: 0
hw.xe.debug: 0
hw.intr_storm_threshold: 1000
hw.availpages: 8361942
hw.pagesizes: 4096 2097152 0
hw.bus.devctl_disable: 0
hw.bus.devctl_queue: 1000
hw.clockrate: 2400
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

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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.dmar.tbl_pagecnt: 0
hw.dmar.match_verbose: 0
hw.busdma.total_bpages: 8303
hw.busdma.zone0.total_bpages: 8303
hw.busdma.zone0.free_bpages: 8301
hw.busdma.zone0.reserved_bpages: 0
hw.busdma.zone0.active_bpages: 2
hw.busdma.zone0.total_bounced: 8207
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.intel6h_HSD131: 0
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: S4 S5
hw.acpi.power_button_state: S5
hw.acpi.sleep_button_state: S4
hw.acpi.lid_switch_state: NONE
hw.acpi.standby_state: NONE
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: -32400
machdep.wall_cmos_clock: 1
machdep.disable_rtc_set: 0
machdep.disable_mrrs: 0
machdep.idle_mwait: 1
machdep.idle_available: spin, mwait, hlt, acpi
machdep.idle: acpi
machdep.bootmethod: BIOS
machdep.nkpt: 22
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: 984368
machdep.i8254_freq: 1193182
machdep.disable_tsc: 0
machdep.disable_tsc_calibration: 0
machdep.tsc_freq: 2400046456
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
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

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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_statfs: 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_statfs: 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
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

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dev.xen.xsd_kva: 0
dev.hv_kvp_log: 0
dev.nexus.%parent:
dev.nexus.0.%desc:
dev.nexus.0.%driver: nexus
dev.nexus.0.%location:
dev.nexus.0.%pnpinfo:
dev.nexus.0.%parent: root0
dev.ram.%parent:
dev.ram.0.%desc: System RAM
dev.ram.0.%driver: ram
dev.ram.0.%location:
dev.ram.0.%pnpinfo:
dev.ram.0.%parent: nexus0
dev.acpi.%parent:
dev.acpi.0.%desc: ALASKA A M I
dev.acpi.0.%driver: acpi
dev.acpi.0.%location:
dev.acpi.0.%pnpinfo:
dev.acpi.0.%parent: nexus0
dev.acpi_sysresource.%parent:
dev.acpi_sysresource.0.%desc: System Resource
dev.acpi_sysresource.0.%driver: acpi_sysresource
dev.acpi_sysresource.0.%location: handle=\_SB_.PCI0.LPC0.XTRA
dev.acpi_sysresource.0.%pnpinfo: _HID=PNP0C02 _UID=16
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.LPC0.SI01
dev.acpi_sysresource.1.%pnpinfo: _HID=PNP0C02 _UID=0
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.RP03.PPF1
dev.acpi_sysresource.2.%pnpinfo: _HID=PNP0C01 _UID=241
dev.acpi_sysresource.2.%parent: acpi0
dev.cpu.%parent:
dev.cpu.0.%desc: ACPI CPU
dev.cpu.0.%driver: cpu
dev.cpu.0.%location: handle=\_SB_.SCK0.CP00
dev.cpu.0.%pnpinfo: _HID=none _UID=0
dev.cpu.0.%parent: acpi0
dev.cpu.0.%freq: 2400
dev.cpu.0.%freq_levels: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114 1500/47447
1400/43855 1300/40341 1200/36901 1050/32288 900/27675 750/23063 600/18450 450/13837 300/9225 150/4612
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 5850us
dev.cpu.1.%desc: ACPI CPU
dev.cpu.1.%driver: cpu
dev.cpu.1.%location: handle=\_SB_.SCK0.CP01
dev.cpu.1.%pnpinfo: _HID=none _UID=0
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 4529us
dev.cpu.2.%desc: ACPI CPU
dev.cpu.2.%driver: cpu
dev.cpu.2.%location: handle=\_SB_.SCK0.CP02
dev.cpu.2.%pnpinfo: _HID=none _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 7627us
dev.cpu.3.%desc: ACPI CPU
dev.cpu.3.%driver: cpu
dev.cpu.3.%location: handle=\_SB_.SCK0.CP03
dev.cpu.3.%pnpinfo: _HID=none _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 7403us
dev.cpu.4.%desc: ACPI CPU
dev.cpu.4.%driver: cpu
dev.cpu.4.%location: handle=\_SB_.SCK0.CP04
dev.cpu.4.%pnpinfo: _HID=none _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 7613us
dev.cpu.5.%desc: ACPI CPU
dev.cpu.5.%driver: cpu
dev.cpu.5.%location: handle=\_SB_.SCK0.CP05
dev.cpu.5.%pnpinfo: _HID=none _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 7656us
dev.cpu.6.%desc: ACPI CPU
dev.cpu.6.%driver: cpu
dev.cpu.6.%location: handle=\_SB_.SCK0.CP06
dev.cpu.6.%pnpinfo: _HID=none _UID=0
dev.cpu.6.%parent: acpi0
dev.cpu.6.%cx_supported: C1/1/1 C2/2/41

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dev.cpu.6.cx_lowest: C1
dev.cpu.6.cx_usage: 100.00% 0.00% last 7436us
dev.cpu.7.%desc: ACPI CPU
dev.cpu.7.%driver: cpu
dev.cpu.7.%location: handle=\_SB_.SCK0.CP07
dev.cpu.7.%npninfo: _HID=none _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 7643us
dev.cpu.8.%desc: ACPI CPU
dev.cpu.8.%driver: cpu
dev.cpu.8.%location: handle=\_SB_.SCK0.CP08
dev.cpu.8.%npninfo: _HID=none _UID=0
dev.cpu.8.%parent: acpi0
dev.cpu.8.cx_supported: C1/1/1 C2/2/41
dev.cpu.8.cx_lowest: C1
dev.cpu.8.cx_usage: 100.00% 0.00% last 6917us
dev.cpu.9.%desc: ACPI CPU
dev.cpu.9.%driver: cpu
dev.cpu.9.%location: handle=\_SB_.SCK0.CP09
dev.cpu.9.%npninfo: _HID=none _UID=0
dev.cpu.9.%parent: acpi0
dev.cpu.9.cx_supported: C1/1/1 C2/2/41
dev.cpu.9.cx_lowest: C1
dev.cpu.9.cx_usage: 100.00% 0.00% last 5519us
dev.cpu.10.%desc: ACPI CPU
dev.cpu.10.%driver: cpu
dev.cpu.10.%location: handle=\_SB_.SCK0.CP0A
dev.cpu.10.%npninfo: _HID=none _UID=0
dev.cpu.10.%parent: acpi0
dev.cpu.10.cx_supported: C1/1/1 C2/2/41
dev.cpu.10.cx_lowest: C1
dev.cpu.10.cx_usage: 100.00% 0.00% last 7432us
dev.cpu.11.%desc: ACPI CPU
dev.cpu.11.%driver: cpu
dev.cpu.11.%location: handle=\_SB_.SCK0.CP0B
dev.cpu.11.%npninfo: _HID=none _UID=0
dev.cpu.11.%parent: acpi0
dev.cpu.11.cx_supported: C1/1/1 C2/2/41
dev.cpu.11.cx_lowest: C1
dev.cpu.11.cx_usage: 100.00% 0.00% last 128us
dev.atrtc.%parent:
dev.atrtc.0.%desc: AT realtime clock
dev.atrtc.0.%driver: atrtc
dev.atrtc.0.%location: handle=\_SB_.PCI0.LPC0.RTC_
dev.atrtc.0.%npninfo: _HID=PNP0B00 _UID=0
dev.atrtc.0.%parent: acpi0
dev.attimer.%parent:
dev.attimer.0.%desc: AT timer
dev.attimer.0.%driver: attimer
dev.attimer.0.%location: handle=\_SB_.PCI0.LPC0.TMR_
dev.attimer.0.%npninfo: _HID=PNP0100 _UID=0
dev.attimer.0.%parent: acpi0
dev.hpet.%parent:
dev.hpet.0.%desc: High Precision Event Timer
dev.hpet.0.%driver: hpet
dev.hpet.0.%location: handle=\_SB_.PCI0.LPC0.HPET
dev.hpet.0.%npninfo: _HID=PNP0103 _UID=0
dev.hpet.0.%parent: acpi0
dev.acpi_timer.%parent:
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.%parent:
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
dev.pci_link.5.%desc: ACPI PCI Link LNKF
dev.pci_link.5.%driver: pci_link

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dev.pci_link.5.%location: handle=_SB_.LNKF
dev.pci_link.5.%npninfo: _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.%npninfo: _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.%npninfo: _HID=PNP0C0F _UID=8
dev.pci_link.7.%parent: acpi0
dev.pci.%parent:
dev.pci.0.%desc: ACPI Host-PCI bridge
dev.pci.0.%driver: pci
dev.pci.0.%location: handle=_SB_.UNC0
dev.pci.0.%npninfo: _HID=PNP0A03 _UID=63
dev.pci.0.%parent: acpi0
dev.pci.1.%desc: ACPI Host-PCI bridge
dev.pci.1.%driver: pci
dev.pci.1.%location: handle=_SB_.PCI0
dev.pci.1.%npninfo: _HID=PNP0A08 _UID=0
dev.pci.1.%parent: acpi0
dev.pci.2.%desc: ACPI PCI-PCI bridge
dev.pci.2.%driver: pci
dev.pci.2.%location: slot=1 function=0 handle=_SB_.PCI0.BR1A
dev.pci.2.%npninfo: vendor=0x8086 device=0x2f02 subvendor=0x1bcf subdevice=0x805a class=0x060400
dev.pci.2.%parent: pci0
dev.pci.2.domain: 0
dev.pci.2.pribus: 0
dev.pci.2.secbus: 1
dev.pci.2.subbus: 1
dev.pci.2.wake: 0
dev.pci.3.%desc: ACPI PCI-PCI bridge
dev.pci.3.%driver: pci
dev.pci.3.%location: slot=2 function=0 handle=_SB_.PCI0.BR2A
dev.pci.3.%npninfo: vendor=0x8086 device=0x2f04 subvendor=0x1bcf subdevice=0x805a class=0x060400
dev.pci.3.%parent: pci0
dev.pci.3.domain: 0
dev.pci.3.pribus: 0
dev.pci.3.secbus: 64
dev.pci.3.subbus: 64
dev.pci.3.wake: 0
dev.pci.4.%desc: ACPI PCI-PCI bridge
dev.pci.4.%driver: pci
dev.pci.4.%location: slot=3 function=0 handle=_SB_.PCI0.BR3A
dev.pci.4.%npninfo: vendor=0x8086 device=0x2f08 subvendor=0x1bcf subdevice=0x805a class=0x060400
dev.pci.4.%parent: pci0
dev.pci.4.domain: 0
dev.pci.4.pribus: 0
dev.pci.4.secbus: 112
dev.pci.4.subbus: 112
dev.pci.4.wake: 0
dev.pci.5.%desc: ACPI PCI-PCI bridge
dev.pci.5.%driver: pci
dev.pci.5.%location: slot=3 function=1 handle=_SB_.PCI0.BR3B
dev.pci.5.%npninfo: vendor=0x8086 device=0x2f09 subvendor=0x1bcf subdevice=0x805a class=0x060400
dev.pci.5.%parent: pci0
dev.pci.5.domain: 0
dev.pci.5.pribus: 0
dev.pci.5.secbus: 113
dev.pci.5.subbus: 113
dev.pci.5.wake: 0
dev.pci.6.%desc: ACPI PCI-PCI bridge
dev.pci.6.%driver: pci
dev.pci.6.%location: slot=3 function=2 handle=_SB_.PCI0.BR3C
dev.pci.6.%npninfo: vendor=0x8086 device=0x2f0a subvendor=0x1bcf subdevice=0x805a class=0x060400
dev.pci.6.%parent: pci0
dev.pci.6.domain: 0
dev.pci.6.pribus: 0
dev.pci.6.secbus: 114
dev.pci.6.subbus: 114
dev.pci.6.wake: 0
dev.pci.7.%desc: ACPI PCI-PCI bridge
dev.pci.7.%driver: pci
dev.pci.7.%location: slot=3 function=3 handle=_SB_.PCI0.BR3D
dev.pci.7.%npninfo: vendor=0x8086 device=0x2f0b subvendor=0x1bcf subdevice=0x805a class=0x060400
dev.pci.7.%parent: pci0
dev.pci.7.domain: 0
dev.pci.7.pribus: 0
dev.pci.7.secbus: 115
dev.pci.7.subbus: 115
dev.pci.7.wake: 0
dev.pci.8.%desc: ACPI PCI-PCI bridge
dev.pci.8.%driver: pci
dev.pci.8.%location: slot=28 function=0 handle=_SB_.PCI0.RP01
dev.pci.8.%npninfo: vendor=0x8086 device=0x8d10 subvendor=0x1bcf subdevice=0x805a class=0x060400
dev.pci.8.%parent: pci0
dev.pci.8.domain: 0
dev.pci.8.pribus: 0
dev.pci.8.secbus: 116
dev.pci.8.subbus: 116
dev.pci.8.wake: 0

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dev.pci.9.%desc: ACPI PCI-PCI bridge
dev.pci.9.%driver: pci
dev.pci.9.%location: slot=28 function=2 handle=\_SB_.PCI0.RP03
dev.pci.9.%pnpinfo: vendor=0x8086 device=0x8d14 subvendor=0x1bcf subdevice=0x805a class=0x060400
dev.pci.9.%parent: pci0
dev.pci.9.domain: 0
dev.pci.9.pribus: 0
dev.pci.9.secbus: 125
dev.pci.9.subbus: 125
dev.pci.9.wake: 0
dev.pci.%parent:
dev.pci.255.%desc: ACPI PCI bus
dev.pci.255.%driver: pci
dev.pci.255.%location:
dev.pci.255.%pnpinfo:
dev.pci.255.%parent: pci0
dev.pci.0.%desc: ACPI PCI bus
dev.pci.0.%driver: pci
dev.pci.0.%location:
dev.pci.0.%pnpinfo:
dev.pci.0.%parent: pci1
dev.pci.1.%desc: ACPI PCI bus
dev.pci.1.%driver: pci
dev.pci.1.%location:
dev.pci.1.%pnpinfo:
dev.pci.1.%parent: pci2
dev.pci.1.wake: 0
dev.pci.64.%desc: ACPI PCI bus
dev.pci.64.%driver: pci
dev.pci.64.%location:
dev.pci.64.%pnpinfo:
dev.pci.64.%parent: pci3
dev.pci.64.wake: 0
dev.pci.112.%desc: ACPI PCI bus
dev.pci.112.%driver: pci
dev.pci.112.%location:
dev.pci.112.%pnpinfo:
dev.pci.112.%parent: pci4
dev.pci.112.wake: 0
dev.pci.113.%desc: ACPI PCI bus
dev.pci.113.%driver: pci
dev.pci.113.%location:
dev.pci.113.%pnpinfo:
dev.pci.113.%parent: pci5
dev.pci.113.wake: 0
dev.pci.114.%desc: ACPI PCI bus
dev.pci.114.%driver: pci
dev.pci.114.%location:
dev.pci.114.%pnpinfo:
dev.pci.114.%parent: pci6
dev.pci.114.wake: 0
dev.pci.115.%desc: ACPI PCI bus
dev.pci.115.%driver: pci
dev.pci.115.%location:
dev.pci.115.%pnpinfo:
dev.pci.115.%parent: pci7
dev.pci.115.wake: 0
dev.pci.116.%desc: ACPI PCI bus
dev.pci.116.%driver: pci
dev.pci.116.%location:
dev.pci.116.%pnpinfo:
dev.pci.116.%parent: pci8
dev.pci.116.wake: 0
dev.pci.125.%desc: ACPI PCI bus
dev.pci.125.%driver: pci
dev.pci.125.%location:
dev.pci.125.%pnpinfo:
dev.pci.125.%parent: pci9
dev.pci.125.wake: 0
dev.hostb.%parent:
dev.hostb.0.%desc: Host to PCI bridge
dev.hostb.0.%driver: hostb
dev.hostb.0.%location: slot=0 function=0 handle=\_SB_.PCI0.DMI0
dev.hostb.0.%pnpinfo: vendor=0x8086 device=0x2f00 subvendor=0x1bcf subdevice=0x805a class=0x060000
dev.hostb.0.%parent: pci0
dev.mrsas.%parent:
dev.mrsas.0.%desc: LSI Invader SAS Controller
dev.mrsas.0.%driver: mrsas
dev.mrsas.0.%location: slot=0 function=0 handle=\_SB_.PCI0.BR1A.H000
dev.mrsas.0.%pnpinfo: vendor=0x1000 device=0x005d subvendor=0x1000 subdevice=0x9364 class=0x010400
dev.mrsas.0.%parent: pci1
dev.mrsas.0.disable_ocr: 0
dev.mrsas.0.driver_version: 06.704.01.01-fbsd
dev.mrsas.0.reset_count: 0
dev.mrsas.0.fw_outstanding: 0
dev.mrsas.0.io_cmds_highwater: 895
dev.mrsas.0.mrsas_debug: 4
dev.mrsas.0.mrsas_io_timeout: 180000
dev.mrsas.0.mrsas_fw_fault_check_delay: 1
dev.mrsas.0.reset_in_progress: 0
dev.igb.%parent:
dev.igb.0.%desc: Intel(R) PRO/1000 Network Connection version - 2.4.0
dev.igb.0.%driver: igb
dev.igb.0.%location: slot=0 function=0 handle=\_SB_.PCI0.BR3A.LAN1

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dev.igb.0.%pnpinfo: vendor=0x8086 device=0x1521 subvendor=0x1bcf subdevice=0x805a class=0x020000
dev.igb.0.%parent: pci112
dev.igb.0.nvm: -1
dev.igb.0.enable_aim: 1
dev.igb.0.fc: 3
dev.igb.0.rx_processing_limit: 100
dev.igb.0.dmac: 0
dev.igb.0.eee_disabled: 0
dev.igb.0.link_irq: 1
dev.igb.0.dropped: 0
dev.igb.0.tx_dma_fail: 0
dev.igb.0.rx_overruns: 0
dev.igb.0.watchdog_timeouts: 0
dev.igb.0.device_control: 1209795137
dev.igb.0.rx_control: 67141634
dev.igb.0.interrupt_mask: 4
dev.igb.0.extended_int_mask: 2147484159
dev.igb.0.tx_buf_alloc: 0
dev.igb.0.rx_buf_alloc: 0
dev.igb.0.fc_high_water: 33168
dev.igb.0.fc_low_water: 33152
dev.igb.0.queue0.no_desc_avail: 0
dev.igb.0.queue0.tx_packets: 0
dev.igb.0.queue0.rx_packets: 0
dev.igb.0.queue0.rx_bytes: 0
dev.igb.0.queue0.lro_queued: 0
dev.igb.0.queue0.lro_flushed: 0
dev.igb.0.queue1.no_desc_avail: 0
dev.igb.0.queue1.tx_packets: 0
dev.igb.0.queue1.rx_packets: 0
dev.igb.0.queue1.rx_bytes: 0
dev.igb.0.queue1.lro_queued: 0
dev.igb.0.queue1.lro_flushed: 0
dev.igb.0.queue2.no_desc_avail: 0
dev.igb.0.queue2.tx_packets: 0
dev.igb.0.queue2.rx_packets: 0
dev.igb.0.queue2.rx_bytes: 0
dev.igb.0.queue2.lro_queued: 0
dev.igb.0.queue2.lro_flushed: 0
dev.igb.0.queue3.no_desc_avail: 0
dev.igb.0.queue3.tx_packets: 0
dev.igb.0.queue3.rx_packets: 0
dev.igb.0.queue3.rx_bytes: 0
dev.igb.0.queue3.lro_queued: 0
dev.igb.0.queue3.lro_flushed: 0
dev.igb.0.queue4.no_desc_avail: 0
dev.igb.0.queue4.tx_packets: 0
dev.igb.0.queue4.rx_packets: 0
dev.igb.0.queue4.rx_bytes: 0
dev.igb.0.queue4.lro_queued: 0
dev.igb.0.queue4.lro_flushed: 0
dev.igb.0.queue5.no_desc_avail: 0
dev.igb.0.queue5.tx_packets: 0
dev.igb.0.queue5.rx_packets: 0
dev.igb.0.queue5.rx_bytes: 0
dev.igb.0.queue5.lro_queued: 0
dev.igb.0.queue5.lro_flushed: 0
dev.igb.0.queue6.no_desc_avail: 0
dev.igb.0.queue6.tx_packets: 0
dev.igb.0.queue6.rx_packets: 0
dev.igb.0.queue6.rx_bytes: 0
dev.igb.0.queue6.lro_queued: 0
dev.igb.0.queue6.lro_flushed: 0
dev.igb.0.queue7.no_desc_avail: 0
dev.igb.0.queue7.tx_packets: 0
dev.igb.0.queue7.rx_packets: 0
dev.igb.0.queue7.rx_bytes: 0
dev.igb.0.queue7.lro_queued: 0
dev.igb.0.queue7.lro_flushed: 0
dev.igb.0.mac_stats.excess_coll: 0
dev.igb.0.mac_stats.single_coll: 0
dev.igb.0.mac_stats.multiple_coll: 0
dev.igb.0.mac_stats.late_coll: 0
dev.igb.0.mac_stats.collison_count: 0
dev.igb.0.mac_stats.symbol_errors: 0
dev.igb.0.mac_stats.sequence_errors: 0
dev.igb.0.mac_stats.defer_count: 0
dev.igb.0.mac_stats.missed_packets: 0
dev.igb.0.mac_stats.recv_no_buff: 0
dev.igb.0.mac_stats.recv_undersize: 0
dev.igb.0.mac_stats.recv_fragmented: 0
dev.igb.0.mac_stats.recv_oversize: 0
dev.igb.0.mac_stats.recv_jabber: 0
dev.igb.0.mac_stats.recv_errs: 0
dev.igb.0.mac_stats.crc_errs: 0
dev.igb.0.mac_stats.alignment_errs: 0
dev.igb.0.mac_stats.coll_ext_errs: 0
dev.igb.0.mac_stats.xon_recvd: 0
dev.igb.0.mac_stats.xon_txd: 0
dev.igb.0.mac_stats.xoff_recvd: 0
dev.igb.0.mac_stats.xoff_txd: 0
dev.igb.0.mac_stats.total_pkts_recvd: 0
dev.igb.0.mac_stats.good_pkts_recvd: 0
dev.igb.0.mac_stats.bcast_pkts_recvd: 0
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dev.igb.0.mac_stats.mcast_pkts_rcvd: 0
dev.igb.0.mac_stats.rx_frames_64: 0
dev.igb.0.mac_stats.rx_frames_65_127: 0
dev.igb.0.mac_stats.rx_frames_128_255: 0
dev.igb.0.mac_stats.rx_frames_256_511: 0
dev.igb.0.mac_stats.rx_frames_512_1023: 0
dev.igb.0.mac_stats.rx_frames_1024_1522: 0
dev.igb.0.mac_stats.good_octets_rcvd: 0
dev.igb.0.mac_stats.good_octets_txd: 0
dev.igb.0.mac_stats.total_pkts_txd: 0
dev.igb.0.mac_stats.good_pkts_txd: 0
dev.igb.0.mac_stats.bcast_pkts_txd: 0
dev.igb.0.mac_stats.mcast_pkts_txd: 0
dev.igb.0.mac_stats.tx_frames_64: 0
dev.igb.0.mac_stats.tx_frames_65_127: 0
dev.igb.0.mac_stats.tx_frames_128_255: 0
dev.igb.0.mac_stats.tx_frames_256_511: 0
dev.igb.0.mac_stats.tx_frames_512_1023: 0
dev.igb.0.mac_stats.tx_frames_1024_1522: 0
dev.igb.0.mac_stats.tso_txd: 0
dev.igb.0.mac_stats.tso_ctx_fail: 0
dev.igb.0.interrupts.asserts: 694913
dev.igb.0.interrupts.rx_pkt_timer: 0
dev.igb.0.interrupts.rx_abs_timer: 0
dev.igb.0.interrupts.tx_pkt_timer: 0
dev.igb.0.interrupts.tx_abs_timer: 0
dev.igb.0.interrupts.tx_queue_empty: 0
dev.igb.0.interrupts.tx_queue_min_thresh: 0
dev.igb.0.interrupts.rx_desc_min_thresh: 0
dev.igb.0.interrupts.rx_overrun: 0
dev.igb.0.host.breaker_tx_pkt: 0
dev.igb.0.host.host_tx_pkt_discard: 0
dev.igb.0.host.rx_pkt: 0
dev.igb.0.host.breaker_rx_pkts: 0
dev.igb.0.host.breaker_rx_pkt_drop: 0
dev.igb.0.host.tx_good_pkt: 0
dev.igb.0.host.breaker_tx_pkt_drop: 0
dev.igb.0.host.rx_good_bytes: 0
dev.igb.0.host.tx_good_bytes: 0
dev.igb.0.host.length_errors: 0
dev.igb.0.host.serdes_violation_pkt: 0
dev.igb.0.host.header_redir_missed: 0
dev.igb.1.%desc: Intel(R) PRO/1000 Network Connection version - 2.4.0
dev.igb.1.%driver: igb
dev.igb.1.%location: slot=0 function=1 handle=\_SB_.PCI0.BR3A.LAN2
dev.igb.1.%pnpinfo: vendor=0x8086 device=0x1521 subvendor=0x1bcf subdevice=0x805a class=0x020000
dev.igb.1.%parent: pci1112
dev.igb.1.nvm: -1
dev.igb.1.enable_aim: 1
dev.igb.1.fc: 3
dev.igb.1.rx_processing_limit: 100
dev.igb.1.dmac: 0
dev.igb.1.eee_disabled: 0
dev.igb.1.link_irq: 0
dev.igb.1.dropped: 0
dev.igb.1.tx_dma_fail: 0
dev.igb.1.rx_overruns: 0
dev.igb.1.watchdog_timeouts: 0
dev.igb.1.device_control: 136053313
dev.igb.1.rx_control: 0
dev.igb.1.interrupt_mask: 0
dev.igb.1.extended_int_mask: 2147483648
dev.igb.1.tx_buf_alloc: 0
dev.igb.1.rx_buf_alloc: 0
dev.igb.1.fc_high_water: 33168
dev.igb.1.fc_low_water: 33152
dev.igb.1.queue0.no_desc_avail: 0
dev.igb.1.queue0.tx_packets: 0
dev.igb.1.queue0.rx_packets: 0
dev.igb.1.queue0.rx_bytes: 0
dev.igb.1.queue0.lro_queued: 0
dev.igb.1.queue0.lro_flushed: 0
dev.igb.1.queue1.no_desc_avail: 0
dev.igb.1.queue1.tx_packets: 0
dev.igb.1.queue1.rx_packets: 0
dev.igb.1.queue1.rx_bytes: 0
dev.igb.1.queue1.lro_queued: 0
dev.igb.1.queue1.lro_flushed: 0
dev.igb.1.queue2.no_desc_avail: 0
dev.igb.1.queue2.tx_packets: 0
dev.igb.1.queue2.rx_packets: 0
dev.igb.1.queue2.rx_bytes: 0
dev.igb.1.queue2.lro_queued: 0
dev.igb.1.queue2.lro_flushed: 0
dev.igb.1.queue3.no_desc_avail: 0
dev.igb.1.queue3.tx_packets: 0
dev.igb.1.queue3.rx_packets: 0
dev.igb.1.queue3.rx_bytes: 0
dev.igb.1.queue3.lro_queued: 0
dev.igb.1.queue3.lro_flushed: 0
dev.igb.1.queue4.no_desc_avail: 0
dev.igb.1.queue4.tx_packets: 0
dev.igb.1.queue4.rx_packets: 0
dev.igb.1.queue4.rx_bytes: 0

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dev.igb.1.queue4.lro_queued: 0
dev.igb.1.queue4.lro_flushed: 0
dev.igb.1.queue5.no_desc_avail: 0
dev.igb.1.queue5.tx_packets: 0
dev.igb.1.queue5.rx_packets: 0
dev.igb.1.queue5.rx_bytes: 0
dev.igb.1.queue5.lro_queued: 0
dev.igb.1.queue5.lro_flushed: 0
dev.igb.1.queue6.no_desc_avail: 0
dev.igb.1.queue6.tx_packets: 0
dev.igb.1.queue6.rx_packets: 0
dev.igb.1.queue6.rx_bytes: 0
dev.igb.1.queue6.lro_queued: 0
dev.igb.1.queue6.lro_flushed: 0
dev.igb.1.queue7.no_desc_avail: 0
dev.igb.1.queue7.tx_packets: 0
dev.igb.1.queue7.rx_packets: 0
dev.igb.1.queue7.rx_bytes: 0
dev.igb.1.queue7.lro_queued: 0
dev.igb.1.queue7.lro_flushed: 0
dev.igb.1.mac_stats.excess_coll: 0
dev.igb.1.mac_stats.single_coll: 0
dev.igb.1.mac_stats.multiple_coll: 0
dev.igb.1.mac_stats.late_coll: 0
dev.igb.1.mac_stats.collision_count: 0
dev.igb.1.mac_stats.symbol_errors: 0
dev.igb.1.mac_stats.sequence_errors: 0
dev.igb.1.mac_stats.defer_count: 0
dev.igb.1.mac_stats.missed_packets: 0
dev.igb.1.mac_stats.recv_no_buff: 0
dev.igb.1.mac_stats.recv_undersize: 0
dev.igb.1.mac_stats.recv_fragmented: 0
dev.igb.1.mac_stats.recv_oversize: 0
dev.igb.1.mac_stats.recv_jabber: 0
dev.igb.1.mac_stats.recv_errs: 0
dev.igb.1.mac_stats.crc_errs: 0
dev.igb.1.mac_stats.alignment_errs: 0
dev.igb.1.mac_stats.coll_ext_errs: 0
dev.igb.1.mac_stats.xon_recvd: 0
dev.igb.1.mac_stats.xon_txd: 0
dev.igb.1.mac_stats.xoff_recvd: 0
dev.igb.1.mac_stats.xoff_txd: 0
dev.igb.1.mac_stats.total_pkts_recvd: 0
dev.igb.1.mac_stats.good_pkts_recvd: 0
dev.igb.1.mac_stats.bcast_pkts_recvd: 0
dev.igb.1.mac_stats.mcast_pkts_recvd: 0
dev.igb.1.mac_stats.rx_frames_64: 0
dev.igb.1.mac_stats.rx_frames_65_127: 0
dev.igb.1.mac_stats.rx_frames_128_255: 0
dev.igb.1.mac_stats.rx_frames_256_511: 0
dev.igb.1.mac_stats.rx_frames_512_1023: 0
dev.igb.1.mac_stats.rx_frames_1024_1522: 0
dev.igb.1.mac_stats.good_octets_recvd: 0
dev.igb.1.mac_stats.good_octets_txd: 0
dev.igb.1.mac_stats.total_pkts_txd: 0
dev.igb.1.mac_stats.good_pkts_txd: 0
dev.igb.1.mac_stats.bcast_pkts_txd: 0
dev.igb.1.mac_stats.mcast_pkts_txd: 0
dev.igb.1.mac_stats.tx_frames_64: 0
dev.igb.1.mac_stats.tx_frames_65_127: 0
dev.igb.1.mac_stats.tx_frames_128_255: 0
dev.igb.1.mac_stats.tx_frames_256_511: 0
dev.igb.1.mac_stats.tx_frames_512_1023: 0
dev.igb.1.mac_stats.tx_frames_1024_1522: 0
dev.igb.1.mac_stats.tso_txd: 0
dev.igb.1.mac_stats.tso_ctx_fail: 0
dev.igb.1.interrupts.asserts: 0
dev.igb.1.interrupts.rx_pkt_timer: 0
dev.igb.1.interrupts.rx_abs_timer: 0
dev.igb.1.interrupts.tx_pkt_timer: 0
dev.igb.1.interrupts.tx_abs_timer: 0
dev.igb.1.interrupts.tx_queue_empty: 0
dev.igb.1.interrupts.tx_queue_min_thresh: 0
dev.igb.1.interrupts.rx_desc_min_thresh: 0
dev.igb.1.interrupts.rx_oversrun: 0
dev.igb.1.host.breaker_tx_pkt: 0
dev.igb.1.host.host_tx_pkt_discard: 0
dev.igb.1.host.rx_pkt: 0
dev.igb.1.host.breaker_rx_pkts: 0
dev.igb.1.host.breaker_rx_pkt_drop: 0
dev.igb.1.host.tx_good_pkt: 0
dev.igb.1.host.breaker_tx_pkt_drop: 0
dev.igb.1.host.rx_good_bytes: 0
dev.igb.1.host.tx_good_bytes: 0
dev.igb.1.host.length_errors: 0
dev.igb.1.host.serdes_violation_pkt: 0
dev.igb.1.host.header_redir_missed: 0
dev.igb.2.%desc: Intel(R) PRO/1000 Network Connection version - 2.4.0
dev.igb.2.%driver: igb
dev.igb.2.%location: slot=0 function=2 handle=_SB_.PCI0.BR3A.LAN3
dev.igb.2.%prpinfo: vendor=0x8086 device=0x1521 subvendor=0x1bcf subdevice=0x805a class=0x020000
dev.igb.2.%parent: pci112
dev.igb.2.nvm: -1
dev.igb.2.enable_aim: 1
```

dev.igb.2.fc: 3
dev.igb.2.rx_processing_limit: 100
dev.igb.2.dmac: 0
dev.igb.2.eee_disabled: 0
dev.igb.2.link_irq: 0
dev.igb.2.dropped: 0
dev.igb.2.tx_dma_fail: 0
dev.igb.2.rx_overruns: 0
dev.igb.2.watchdog_timeouts: 0
dev.igb.2.device_control: 136053313
dev.igb.2.rx_control: 0
dev.igb.2.interrupt_mask: 0
dev.igb.2.extended_int_mask: 2147483648
dev.igb.2.tx_buf_alloc: 0
dev.igb.2.rx_buf_alloc: 0
dev.igb.2.fc_high_water: 33168
dev.igb.2.fc_low_water: 33152
dev.igb.2.queue0.no_desc_avail: 0
dev.igb.2.queue0.tx_packets: 0
dev.igb.2.queue0.rx_packets: 0
dev.igb.2.queue0.rx_bytes: 0
dev.igb.2.queue0.lro_queued: 0
dev.igb.2.queue0.lro_flushed: 0
dev.igb.2.queue1.no_desc_avail: 0
dev.igb.2.queue1.tx_packets: 0
dev.igb.2.queue1.rx_packets: 0
dev.igb.2.queue1.rx_bytes: 0
dev.igb.2.queue1.lro_queued: 0
dev.igb.2.queue1.lro_flushed: 0
dev.igb.2.queue2.no_desc_avail: 0
dev.igb.2.queue2.tx_packets: 0
dev.igb.2.queue2.rx_packets: 0
dev.igb.2.queue2.rx_bytes: 0
dev.igb.2.queue2.lro_queued: 0
dev.igb.2.queue2.lro_flushed: 0
dev.igb.2.queue3.no_desc_avail: 0
dev.igb.2.queue3.tx_packets: 0
dev.igb.2.queue3.rx_packets: 0
dev.igb.2.queue3.rx_bytes: 0
dev.igb.2.queue3.lro_queued: 0
dev.igb.2.queue3.lro_flushed: 0
dev.igb.2.queue4.no_desc_avail: 0
dev.igb.2.queue4.tx_packets: 0
dev.igb.2.queue4.rx_packets: 0
dev.igb.2.queue4.rx_bytes: 0
dev.igb.2.queue4.lro_queued: 0
dev.igb.2.queue4.lro_flushed: 0
dev.igb.2.queue5.no_desc_avail: 0
dev.igb.2.queue5.tx_packets: 0
dev.igb.2.queue5.rx_packets: 0
dev.igb.2.queue5.rx_bytes: 0
dev.igb.2.queue5.lro_queued: 0
dev.igb.2.queue5.lro_flushed: 0
dev.igb.2.queue6.no_desc_avail: 0
dev.igb.2.queue6.tx_packets: 0
dev.igb.2.queue6.rx_packets: 0
dev.igb.2.queue6.rx_bytes: 0
dev.igb.2.queue6.lro_queued: 0
dev.igb.2.queue6.lro_flushed: 0
dev.igb.2.queue7.no_desc_avail: 0
dev.igb.2.queue7.tx_packets: 0
dev.igb.2.queue7.rx_packets: 0
dev.igb.2.queue7.rx_bytes: 0
dev.igb.2.queue7.lro_queued: 0
dev.igb.2.queue7.lro_flushed: 0
dev.igb.2.mac_stats.excess_coll: 0
dev.igb.2.mac_stats.single_coll: 0
dev.igb.2.mac_stats.multiple_coll: 0
dev.igb.2.mac_stats.late_coll: 0
dev.igb.2.mac_stats.collision_count: 0
dev.igb.2.mac_stats.symbol_errors: 0
dev.igb.2.mac_stats.sequence_errors: 0
dev.igb.2.mac_stats.defer_count: 0
dev.igb.2.mac_stats.missed_packets: 0
dev.igb.2.mac_stats.recv_no_buff: 0
dev.igb.2.mac_stats.recv_undersize: 0
dev.igb.2.mac_stats.recv_fragmented: 0
dev.igb.2.mac_stats.recv_oversize: 0
dev.igb.2.mac_stats.recv_jabber: 0
dev.igb.2.mac_stats.recv_errs: 0
dev.igb.2.mac_stats.crc_errs: 0
dev.igb.2.mac_stats.alignment_errs: 0
dev.igb.2.mac_stats.coll_ext_errs: 0
dev.igb.2.mac_stats.xon_recvd: 0
dev.igb.2.mac_stats.xon_txd: 0
dev.igb.2.mac_stats.xoff_recvd: 0
dev.igb.2.mac_stats.xoff_txd: 0
dev.igb.2.mac_stats.total_pkts_recvd: 0
dev.igb.2.mac_stats.good_pkts_recvd: 0
dev.igb.2.mac_stats.bcast_pkts_recvd: 0
dev.igb.2.mac_stats.mcast_pkts_recvd: 0
dev.igb.2.mac_stats.rx_frames_64: 0
dev.igb.2.mac_stats.rx_frames_65_127: 0
dev.igb.2.mac_stats.rx_frames_128_255: 0

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dev.igb.2.mac_stats.rx_frames_256_511: 0
dev.igb.2.mac_stats.rx_frames_512_1023: 0
dev.igb.2.mac_stats.rx_frames_1024_1522: 0
dev.igb.2.mac_stats.good_octets_rcvd: 0
dev.igb.2.mac_stats.good_octets_txd: 0
dev.igb.2.mac_stats.total_pkts_txd: 0
dev.igb.2.mac_stats.good_pkts_txd: 0
dev.igb.2.mac_stats.bcast_pkts_txd: 0
dev.igb.2.mac_stats.mcast_pkts_txd: 0
dev.igb.2.mac_stats.tx_frames_64: 0
dev.igb.2.mac_stats.tx_frames_65_127: 0
dev.igb.2.mac_stats.tx_frames_128_255: 0
dev.igb.2.mac_stats.tx_frames_256_511: 0
dev.igb.2.mac_stats.tx_frames_512_1023: 0
dev.igb.2.mac_stats.tx_frames_1024_1522: 0
dev.igb.2.mac_stats.tso_txd: 0
dev.igb.2.mac_stats.tso_ctx_fail: 0
dev.igb.2.interrupts.asserts: 0
dev.igb.2.interrupts.rx_pkt_timer: 0
dev.igb.2.interrupts.rx_abs_timer: 0
dev.igb.2.interrupts.tx_pkt_timer: 0
dev.igb.2.interrupts.tx_abs_timer: 0
dev.igb.2.interrupts.tx_queue_empty: 0
dev.igb.2.interrupts.tx_queue_min_thresh: 0
dev.igb.2.interrupts.rx_desc_min_thresh: 0
dev.igb.2.interrupts.rx_overrun: 0
dev.igb.2.host.breaker_tx_pkt: 0
dev.igb.2.host.host_tx_pkt_discard: 0
dev.igb.2.host.rx_pkt: 0
dev.igb.2.host.breaker_rx_pkts: 0
dev.igb.2.host.breaker_rx_pkt_drop: 0
dev.igb.2.host.tx_good_pkt: 0
dev.igb.2.host.breaker_tx_pkt_drop: 0
dev.igb.2.host.rx_good_bytes: 0
dev.igb.2.host.tx_good_bytes: 0
dev.igb.2.host.length_errors: 0
dev.igb.2.host.serdes_violation_pkt: 0
dev.igb.2.host.header_redir_missed: 0
dev.igb.3.%desc: Intel(R) PRO/1000 Network Connection version - 2.4.0
dev.igb.3.%driver: igb
dev.igb.3.%location: slot=0 function=3 handle=\_SB_.PCI0.BR3A.LAN4
dev.igb.3.%pnpinfo: vendor=0x8086 device=0x1521 subvendor=0x1bcf subdevice=0x805a class=0x020000
dev.igb.3.%parent: pci112
dev.igb.3.nvm: -1
dev.igb.3.enable_aim: 1
dev.igb.3.fc: 3
dev.igb.3.rx_processing_limit: 100
dev.igb.3.dmac: 0
dev.igb.3.eee_disabled: 0
dev.igb.3.link_irq: 0
dev.igb.3.dropped: 0
dev.igb.3.tx_dma_fail: 0
dev.igb.3.rx_overruns: 0
dev.igb.3.watchdog_timeouts: 0
dev.igb.3.device_control: 136053313
dev.igb.3.rx_control: 0
dev.igb.3.interrupt_mask: 0
dev.igb.3.extended_int_mask: 2147483648
dev.igb.3.tx_buf_alloc: 0
dev.igb.3.rx_buf_alloc: 0
dev.igb.3.fc_high_water: 33168
dev.igb.3.fc_low_water: 33152
dev.igb.3.queue0.no_desc_avail: 0
dev.igb.3.queue0.tx_packets: 0
dev.igb.3.queue0.rx_packets: 0
dev.igb.3.queue0.rx_bytes: 0
dev.igb.3.queue0.lro_queued: 0
dev.igb.3.queue0.lro_flushed: 0
dev.igb.3.queue1.no_desc_avail: 0
dev.igb.3.queue1.tx_packets: 0
dev.igb.3.queue1.rx_packets: 0
dev.igb.3.queue1.rx_bytes: 0
dev.igb.3.queue1.lro_queued: 0
dev.igb.3.queue1.lro_flushed: 0
dev.igb.3.queue2.no_desc_avail: 0
dev.igb.3.queue2.tx_packets: 0
dev.igb.3.queue2.rx_packets: 0
dev.igb.3.queue2.rx_bytes: 0
dev.igb.3.queue2.lro_queued: 0
dev.igb.3.queue2.lro_flushed: 0
dev.igb.3.queue3.no_desc_avail: 0
dev.igb.3.queue3.tx_packets: 0
dev.igb.3.queue3.rx_packets: 0
dev.igb.3.queue3.rx_bytes: 0
dev.igb.3.queue3.lro_queued: 0
dev.igb.3.queue3.lro_flushed: 0
dev.igb.3.queue4.no_desc_avail: 0
dev.igb.3.queue4.tx_packets: 0
dev.igb.3.queue4.rx_packets: 0
dev.igb.3.queue4.rx_bytes: 0
dev.igb.3.queue4.lro_queued: 0
dev.igb.3.queue4.lro_flushed: 0
dev.igb.3.queue5.no_desc_avail: 0
dev.igb.3.queue5.tx_packets: 0
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dev.igb.3.queue5.rx_packets: 0
dev.igb.3.queue5.rx_bytes: 0
dev.igb.3.queue5.lro_queued: 0
dev.igb.3.queue5.lro_flushed: 0
dev.igb.3.queue6.no_desc_avail: 0
dev.igb.3.queue6.tx_packets: 0
dev.igb.3.queue6.rx_packets: 0
dev.igb.3.queue6.rx_bytes: 0
dev.igb.3.queue6.lro_queued: 0
dev.igb.3.queue6.lro_flushed: 0
dev.igb.3.queue7.no_desc_avail: 0
dev.igb.3.queue7.tx_packets: 0
dev.igb.3.queue7.rx_packets: 0
dev.igb.3.queue7.rx_bytes: 0
dev.igb.3.queue7.lro_queued: 0
dev.igb.3.queue7.lro_flushed: 0
dev.igb.3.mac_stats.excess_coll: 0
dev.igb.3.mac_stats.single_coll: 0
dev.igb.3.mac_stats.multiple_coll: 0
dev.igb.3.mac_stats.late_coll: 0
dev.igb.3.mac_stats.collision_count: 0
dev.igb.3.mac_stats.symbol_errors: 0
dev.igb.3.mac_stats.sequence_errors: 0
dev.igb.3.mac_stats.defer_count: 0
dev.igb.3.mac_stats.missed_packets: 0
dev.igb.3.mac_stats.recv_no_buff: 0
dev.igb.3.mac_stats.recv_undersize: 0
dev.igb.3.mac_stats.recv_fragmented: 0
dev.igb.3.mac_stats.recv_oversize: 0
dev.igb.3.mac_stats.recv_jabber: 0
dev.igb.3.mac_stats.recv_errs: 0
dev.igb.3.mac_stats.crc_errs: 0
dev.igb.3.mac_stats.alignment_errs: 0
dev.igb.3.mac_stats.coll_ext_errs: 0
dev.igb.3.mac_stats.xon_rcvd: 0
dev.igb.3.mac_stats.xon_txd: 0
dev.igb.3.mac_stats.xoff_rcvd: 0
dev.igb.3.mac_stats.xoff_txd: 0
dev.igb.3.mac_stats.total_pkts_rcvd: 0
dev.igb.3.mac_stats.good_pkts_rcvd: 0
dev.igb.3.mac_stats.bcast_pkts_rcvd: 0
dev.igb.3.mac_stats.mcast_pkts_rcvd: 0
dev.igb.3.mac_stats.rx_frames_64: 0
dev.igb.3.mac_stats.rx_frames_65_127: 0
dev.igb.3.mac_stats.rx_frames_128_255: 0
dev.igb.3.mac_stats.rx_frames_256_511: 0
dev.igb.3.mac_stats.rx_frames_512_1023: 0
dev.igb.3.mac_stats.rx_frames_1024_1522: 0
dev.igb.3.mac_stats.good_octets_rcvd: 0
dev.igb.3.mac_stats.good_octets_txd: 0
dev.igb.3.mac_stats.total_pkts_txd: 0
dev.igb.3.mac_stats.good_pkts_txd: 0
dev.igb.3.mac_stats.bcast_pkts_txd: 0
dev.igb.3.mac_stats.mcast_pkts_txd: 0
dev.igb.3.mac_stats.tx_frames_64: 0
dev.igb.3.mac_stats.tx_frames_65_127: 0
dev.igb.3.mac_stats.tx_frames_128_255: 0
dev.igb.3.mac_stats.tx_frames_256_511: 0
dev.igb.3.mac_stats.tx_frames_512_1023: 0
dev.igb.3.mac_stats.tx_frames_1024_1522: 0
dev.igb.3.mac_stats.tso_txd: 0
dev.igb.3.mac_stats.tso_ctx_fail: 0
dev.igb.3.interrupts.asserts: 0
dev.igb.3.interrupts.rx_pkt_timer: 0
dev.igb.3.interrupts.rx_abs_timer: 0
dev.igb.3.interrupts.tx_pkt_timer: 0
dev.igb.3.interrupts.tx_abs_timer: 0
dev.igb.3.interrupts.tx_queue_empty: 0
dev.igb.3.interrupts.tx_queue_min_thresh: 0
dev.igb.3.interrupts.rx_desc_min_thresh: 0
dev.igb.3.interrupts.rx_ overrun: 0
dev.igb.3.host.breaker_tx_pkt: 0
dev.igb.3.host.host_tx_pkt_discard: 0
dev.igb.3.host.rx_pkt: 0
dev.igb.3.host.breaker_rx_pkts: 0
dev.igb.3.host.breaker_rx_pkt_drop: 0
dev.igb.3.host.tx_good_pkt: 0
dev.igb.3.host.breaker_tx_pkt_drop: 0
dev.igb.3.host.rx_good_bytes: 0
dev.igb.3.host.tx_good_bytes: 0
dev.igb.3.host.length_errors: 0
dev.igb.3.host.serdes_violation_pkt: 0
dev.igb.3.host.header_redir_missed: 0
dev.ioapic.%parent:
dev.ioapic.0.%desc: IO(x) APIC
dev.ioapic.0.%driver: ioapic
dev.ioapic.0.%location: slot=5 function=4
dev.ioapic.0.%npninfo: vendor=0x8086 device=0x2f2c subvendor=0x1bcf subdevice=0x805a class=0x080020
dev.ioapic.0.%parent: pci0
dev.xhci.%parent:
dev.xhci.0.%desc: XHCI (generic) USB 3.0 controller
dev.xhci.0.%driver: xhci
dev.xhci.0.%location: slot=20 function=0 handle=_SB_.PCI0.XHCI
dev.xhci.0.%npninfo: vendor=0x8086 device=0x8d31 subvendor=0x1bcf subdevice=0x805a class=0x0c0330

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dev.xhci.0.%parent: pci0
dev.usbus.%parent:
dev.usbus.0.%desc:
dev.usbus.0.%driver: usb
dev.usbus.0.%location:
dev.usbus.0.%pnpinfo:
dev.usbus.0.%parent: xhci0
dev.usbus.1.%desc:
dev.usbus.1.%driver: usb
dev.usbus.1.%location:
dev.usbus.1.%pnpinfo:
dev.usbus.1.%parent: ehci0
dev.usbus.2.%desc:
dev.usbus.2.%driver: usb
dev.usbus.2.%location:
dev.usbus.2.%pnpinfo:
dev.usbus.2.%parent: ehci1
dev.ehci.%parent:
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.EHC2
dev.ehci.0.%pnpinfo: vendor=0x8086 device=0x8d2d subvendor=0x1bcf subdevice=0x805a class=0x0c0320
dev.ehci.0.%parent: pci0
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.EHC1
dev.ehci.1.%pnpinfo: vendor=0x8086 device=0x8d26 subvendor=0x1bcf subdevice=0x805a class=0x0c0320
dev.ehci.1.%parent: pci0
dev.vgapci.%parent:
dev.vgapci.0.%desc: VGA-compatible display
dev.vgapci.0.%driver: vgapci
dev.vgapci.0.%location: slot=0 function=0 handle=_SB_.PCI0.RP03.D043
dev.vgapci.0.%pnpinfo: vendor=0x102b device=0x0522 subvendor=0x1bcf subdevice=0x805a class=0x030000
dev.vgapci.0.%parent: pci125
dev.isab.%parent:
dev.isab.0.%desc: PCI-ISA bridge
dev.isab.0.%driver: isab
dev.isab.0.%location: slot=31 function=0 handle=_SB_.PCI0.LPC0
dev.isab.0.%pnpinfo: vendor=0x8086 device=0x8d44 subvendor=0x1bcf subdevice=0x805a class=0x060100
dev.isa.%parent:
dev.isa.0.%desc: ISA bus
dev.isa.0.%driver: isa
dev.isa.0.%location:
dev.isa.0.%pnpinfo:
dev.isa.0.%parent: isab0
dev.ahci.%parent:
dev.ahci.0.%desc: Intel Wellsburg AHCI SATA controller
dev.ahci.0.%driver: ahci
dev.ahci.0.%location: slot=31 function=2 handle=_SB_.PCI0.SAT1
dev.ahci.0.%pnpinfo: vendor=0x8086 device=0x8d02 subvendor=0x1bcf subdevice=0x805a class=0x010601
dev.ahci.0.%parent: pci0
dev.ahcich.%parent:
dev.ahcich.0.%desc: AHCI channel
dev.ahcich.0.%driver: ahcich
dev.ahcich.0.%location: channel=0
dev.ahcich.0.%pnpinfo:
dev.ahcich.0.%parent: ahci0
dev.ahcich.1.%desc: AHCI channel
dev.ahcich.1.%driver: ahcich
dev.ahcich.1.%location: channel=1
dev.ahcich.1.%pnpinfo:
dev.ahcich.1.%parent: ahci0
dev.ahcich.2.%desc: AHCI channel
dev.ahcich.2.%driver: ahcich
dev.ahcich.2.%location: channel=2
dev.ahcich.2.%pnpinfo:
dev.ahcich.2.%parent: ahci0
dev.ahcich.3.%desc: AHCI channel
dev.ahcich.3.%driver: ahcich
dev.ahcich.3.%location: channel=3
dev.ahcich.3.%pnpinfo:
dev.ahcich.3.%parent: ahci0
dev.ahcich.4.%desc: AHCI channel
dev.ahcich.4.%driver: ahcich
dev.ahcich.4.%location: channel=4
dev.ahcich.4.%pnpinfo:
dev.ahcich.4.%parent: ahci0
dev.ahcich.5.%desc: AHCI channel
dev.ahcich.5.%driver: ahcich
dev.ahcich.5.%location: channel=5
dev.ahcich.5.%pnpinfo:
dev.ahcich.5.%parent: ahci0
dev.ahciem.%parent:
dev.ahciem.0.%desc: AHCI enclosure management bridge
dev.ahciem.0.%driver: ahciem
dev.ahciem.0.%location:
dev.ahciem.0.%pnpinfo:
dev.ahciem.0.%parent: ahci0
dev.acpi_button.%parent:
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

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dev.acpi_button.0.%parent: acpi0
dev.atdma.%parent:
dev.atdma.0.%desc: AT DMA controller
dev.atdma.0.%driver: atdma
dev.atdma.0.%location: handle=\_SB_.PCI0.LPC0.DMAC
dev.atdma.0.%npninfo: _HID=PNP0200 _UID=0
dev.atdma.0.%parent: acpi0
dev.fpupnp.%parent:
dev.fpupnp.0.%desc: Legacy ISA coprocessor support
dev.fpupnp.0.%driver: fpupnp
dev.fpupnp.0.%location: handle=\_SB_.PCI0.LPC0.FPU_
dev.fpupnp.0.%npninfo: _HID=PNP0C04 _UID=0
dev.fpupnp.0.%parent: acpi0
dev.uart.%parent:
dev.uart.0.%desc: 16550 or compatible
dev.uart.0.%driver: uart
dev.uart.0.%location: handle=\_SB_.PCI0.LPC0.UAR1
dev.uart.0.%npninfo: _HID=PNP0501 _UID=0
dev.uart.0.%parent: acpi0
dev.uart.1.%desc: 16550 or compatible
dev.uart.1.%driver: uart
dev.uart.1.%location: handle=\_SB_.PCI0.LPC0.UAR2
dev.uart.1.%npninfo: _HID=PNP0501 _UID=1
dev.uart.1.%parent: acpi0
dev.apic.%parent:
dev.apic.0.%desc: APIC resources
dev.apic.0.%driver: apic
dev.apic.0.%location:
dev.apic.0.%npninfo:
dev.apic.0.%parent: nexus0
dev.orm.%parent:
dev.orm.0.%desc: ISA Option ROMs
dev.orm.0.%driver: orm
dev.orm.0.%location:
dev.orm.0.%npninfo:
dev.orm.0.%parent: isa0
dev.sc.%parent:
dev.sc.0.%desc: System console
dev.sc.0.%driver: sc
dev.sc.0.%location:
dev.sc.0.%npninfo:
dev.sc.0.%parent: isa0
dev.vga.%parent:
dev.vga.0.%desc: Generic ISA VGA
dev.vga.0.%driver: vga
dev.vga.0.%location:
dev.vga.0.%npninfo:
dev.vga.0.%parent: isa0
dev.acpi_perf.%parent:
dev.acpi_perf.0.%desc:
dev.acpi_perf.0.%driver: acpi_perf
dev.acpi_perf.0.%location:
dev.acpi_perf.0.%npninfo:
dev.acpi_perf.0.%parent: cpu0
dev.acpi_perf.1.%desc:
dev.acpi_perf.1.%driver: acpi_perf
dev.acpi_perf.1.%location:
dev.acpi_perf.1.%npninfo:
dev.acpi_perf.1.%parent: cpu1
dev.acpi_perf.2.%desc:
dev.acpi_perf.2.%driver: acpi_perf
dev.acpi_perf.2.%location:
dev.acpi_perf.2.%npninfo:
dev.acpi_perf.2.%parent: cpu2
dev.acpi_perf.3.%desc:
dev.acpi_perf.3.%driver: acpi_perf
dev.acpi_perf.3.%location:
dev.acpi_perf.3.%npninfo:
dev.acpi_perf.3.%parent: cpu3
dev.acpi_perf.4.%desc:
dev.acpi_perf.4.%driver: acpi_perf
dev.acpi_perf.4.%location:
dev.acpi_perf.4.%npninfo:
dev.acpi_perf.4.%parent: cpu4
dev.acpi_perf.5.%desc:
dev.acpi_perf.5.%driver: acpi_perf
dev.acpi_perf.5.%location:
dev.acpi_perf.5.%npninfo:
dev.acpi_perf.5.%parent: cpu5
dev.acpi_perf.6.%desc:
dev.acpi_perf.6.%driver: acpi_perf
dev.acpi_perf.6.%location:
dev.acpi_perf.6.%npninfo:
dev.acpi_perf.6.%parent: cpu6
dev.acpi_perf.7.%desc:
dev.acpi_perf.7.%driver: acpi_perf
dev.acpi_perf.7.%location:
dev.acpi_perf.7.%npninfo:
dev.acpi_perf.7.%parent: cpu7
dev.acpi_perf.8.%desc:
dev.acpi_perf.8.%driver: acpi_perf
dev.acpi_perf.8.%location:
dev.acpi_perf.8.%npninfo:
dev.acpi_perf.8.%parent: cpu8

```

```

dev.acpi_perf.9.%desc:
dev.acpi_perf.9.%driver: acpi_perf
dev.acpi_perf.9.%location:
dev.acpi_perf.9.%pnpinfo:
dev.acpi_perf.9.%parent: cpu9
dev.acpi_perf.10.%desc:
dev.acpi_perf.10.%driver: acpi_perf
dev.acpi_perf.10.%location:
dev.acpi_perf.10.%pnpinfo:
dev.acpi_perf.10.%parent: cpu10
dev.acpi_perf.11.%desc:
dev.acpi_perf.11.%driver: acpi_perf
dev.acpi_perf.11.%location:
dev.acpi_perf.11.%pnpinfo:
dev.acpi_perf.11.%parent: cpu11
dev.est.%parent:
dev.est.0.%desc: Enhanced SpeedStep Frequency Control
dev.est.0.%driver: est
dev.est.0.%location:
dev.est.0.%pnpinfo:
dev.est.0.%parent: cpu0
dev.est.0.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.1.%desc: Enhanced SpeedStep Frequency Control
dev.est.1.%driver: est
dev.est.1.%location:
dev.est.1.%pnpinfo:
dev.est.1.%parent: cpu1
dev.est.1.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.2.%desc: Enhanced SpeedStep Frequency Control
dev.est.2.%driver: est
dev.est.2.%location:
dev.est.2.%pnpinfo:
dev.est.2.%parent: cpu2
dev.est.2.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.3.%desc: Enhanced SpeedStep Frequency Control
dev.est.3.%driver: est
dev.est.3.%location:
dev.est.3.%pnpinfo:
dev.est.3.%parent: cpu3
dev.est.3.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.4.%desc: Enhanced SpeedStep Frequency Control
dev.est.4.%driver: est
dev.est.4.%location:
dev.est.4.%pnpinfo:
dev.est.4.%parent: cpu4
dev.est.4.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.5.%desc: Enhanced SpeedStep Frequency Control
dev.est.5.%driver: est
dev.est.5.%location:
dev.est.5.%pnpinfo:
dev.est.5.%parent: cpu5
dev.est.5.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.6.%desc: Enhanced SpeedStep Frequency Control
dev.est.6.%driver: est
dev.est.6.%location:
dev.est.6.%pnpinfo:
dev.est.6.%parent: cpu6
dev.est.6.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.7.%desc: Enhanced SpeedStep Frequency Control
dev.est.7.%driver: est
dev.est.7.%location:
dev.est.7.%pnpinfo:
dev.est.7.%parent: cpu7
dev.est.7.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.8.%desc: Enhanced SpeedStep Frequency Control
dev.est.8.%driver: est
dev.est.8.%location:
dev.est.8.%pnpinfo:
dev.est.8.%parent: cpu8
dev.est.8.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.9.%desc: Enhanced SpeedStep Frequency Control
dev.est.9.%driver: est
dev.est.9.%location:
dev.est.9.%pnpinfo:
dev.est.9.%parent: cpu9
dev.est.9.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.10.%desc: Enhanced SpeedStep Frequency Control
dev.est.10.%driver: est
dev.est.10.%location:
dev.est.10.%pnpinfo:
dev.est.10.%parent: cpu10
dev.est.10.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.est.11.%desc: Enhanced SpeedStep Frequency Control

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dev.est.11.%driver: est
dev.est.11.%location:
dev.est.11.%pnpinfo:
dev.est.11.%parent: cpu11
dev.est.11.freq_settings: 2401/85000 2400/85000 2300/79832 2200/75599 2100/71449 2000/67378 1900/63387 1800/59476 1700/54859 1600/51114
1500/47447 1400/43855 1300/40341 1200/36901
dev.cpufreq.%parent:
dev.cpufreq.0.%desc:
dev.cpufreq.0.%driver: cpufreq
dev.cpufreq.0.%location:
dev.cpufreq.0.%pnpinfo:
dev.cpufreq.0.%parent: cpu0
dev.cpufreq.1.%desc:
dev.cpufreq.1.%driver: cpufreq
dev.cpufreq.1.%location:
dev.cpufreq.1.%pnpinfo:
dev.cpufreq.1.%parent: cpu1
dev.cpufreq.2.%desc:
dev.cpufreq.2.%driver: cpufreq
dev.cpufreq.2.%location:
dev.cpufreq.2.%pnpinfo:
dev.cpufreq.2.%parent: cpu2
dev.cpufreq.3.%desc:
dev.cpufreq.3.%driver: cpufreq
dev.cpufreq.3.%location:
dev.cpufreq.3.%pnpinfo:
dev.cpufreq.3.%parent: cpu3
dev.cpufreq.4.%desc:
dev.cpufreq.4.%driver: cpufreq
dev.cpufreq.4.%location:
dev.cpufreq.4.%pnpinfo:
dev.cpufreq.4.%parent: cpu4
dev.cpufreq.5.%desc:
dev.cpufreq.5.%driver: cpufreq
dev.cpufreq.5.%location:
dev.cpufreq.5.%pnpinfo:
dev.cpufreq.5.%parent: cpu5
dev.cpufreq.6.%desc:
dev.cpufreq.6.%driver: cpufreq
dev.cpufreq.6.%location:
dev.cpufreq.6.%pnpinfo:
dev.cpufreq.6.%parent: cpu6
dev.cpufreq.7.%desc:
dev.cpufreq.7.%driver: cpufreq
dev.cpufreq.7.%location:
dev.cpufreq.7.%pnpinfo:
dev.cpufreq.7.%parent: cpu7
dev.cpufreq.8.%desc:
dev.cpufreq.8.%driver: cpufreq
dev.cpufreq.8.%location:
dev.cpufreq.8.%pnpinfo:
dev.cpufreq.8.%parent: cpu8
dev.cpufreq.9.%desc:
dev.cpufreq.9.%driver: cpufreq
dev.cpufreq.9.%location:
dev.cpufreq.9.%pnpinfo:
dev.cpufreq.9.%parent: cpu9
dev.cpufreq.10.%desc:
dev.cpufreq.10.%driver: cpufreq
dev.cpufreq.10.%location:
dev.cpufreq.10.%pnpinfo:
dev.cpufreq.10.%parent: cpu10
dev.cpufreq.11.%desc:
dev.cpufreq.11.%driver: cpufreq
dev.cpufreq.11.%location:
dev.cpufreq.11.%pnpinfo:
dev.cpufreq.11.%parent: cpu11
dev.p4tcc.%parent:
dev.p4tcc.0.%desc: CPU Frequency Thermal Control
dev.p4tcc.0.%driver: p4tcc
dev.p4tcc.0.%location:
dev.p4tcc.0.%pnpinfo:
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.%location:
dev.p4tcc.1.%pnpinfo:
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
dev.p4tcc.2.%driver: p4tcc
dev.p4tcc.2.%location:
dev.p4tcc.2.%pnpinfo:
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.%location:
dev.p4tcc.3.%pnpinfo:
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

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dev.p4tcc.4.%location:
dev.p4tcc.4.%pnpinfo:
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.%location:
dev.p4tcc.5.%pnpinfo:
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.%location:
dev.p4tcc.6.%pnpinfo:
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.%location:
dev.p4tcc.7.%pnpinfo:
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.p4tcc.8.%desc: CPU Frequency Thermal Control
dev.p4tcc.8.%driver: p4tcc
dev.p4tcc.8.%location:
dev.p4tcc.8.%pnpinfo:
dev.p4tcc.8.%parent: cpu8
dev.p4tcc.8.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.9.%desc: CPU Frequency Thermal Control
dev.p4tcc.9.%driver: p4tcc
dev.p4tcc.9.%location:
dev.p4tcc.9.%pnpinfo:
dev.p4tcc.9.%parent: cpu9
dev.p4tcc.9.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.10.%desc: CPU Frequency Thermal Control
dev.p4tcc.10.%driver: p4tcc
dev.p4tcc.10.%location:
dev.p4tcc.10.%pnpinfo:
dev.p4tcc.10.%parent: cpu10
dev.p4tcc.10.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.p4tcc.11.%desc: CPU Frequency Thermal Control
dev.p4tcc.11.%driver: p4tcc
dev.p4tcc.11.%location:
dev.p4tcc.11.%pnpinfo:
dev.p4tcc.11.%parent: cpu11
dev.p4tcc.11.freq_settings: 10000/-1 8750/-1 7500/-1 6250/-1 5000/-1 3750/-1 2500/-1 1250/-1
dev.uhub.%parent:
dev.uhub.0.%desc: 0x8086 XHCI root HUB, class 9/0, rev 3.00/1.00, addr 1
dev.uhub.0.%driver: uhub
dev.uhub.0.%location:
dev.uhub.0.%pnpinfo:
dev.uhub.0.%parent: usb0
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.%location:
dev.uhub.1.%pnpinfo:
dev.uhub.1.%parent: usb1
dev.uhub.2.%desc: Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1
dev.uhub.2.%driver: uhub
dev.uhub.2.%location:
dev.uhub.2.%pnpinfo:
dev.uhub.2.%parent: usb2
dev.uhub.4.%desc: vendor 0x8087 product 0x800a, class 9/0, rev 2.00/0.05, addr 2
dev.uhub.4.%driver: uhub
dev.uhub.4.%location: bus=1 hubaddr=1 port=1 devaddr=2 interface=0
dev.uhub.4.%pnpinfo: vendor=0x8087 product=0x800a devclass=0x09 devsubclass=0x00 sernum="" release=0x0005 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.4.%parent: uhub1
dev.uhub.5.%desc: vendor 0x8087 product 0x8002, class 9/0, rev 2.00/0.05, addr 2
dev.uhub.5.%driver: uhub
dev.uhub.5.%location: bus=2 hubaddr=1 port=1 devaddr=2 interface=0
dev.uhub.5.%pnpinfo: vendor=0x8087 product=0x8002 devclass=0x09 devsubclass=0x00 sernum="" release=0x0005 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.5.%parent: uhub2
dev.uhub.3.%desc: vendor 0x0409 product 0x005a, class 9/0, rev 2.00/1.00, addr 6
dev.uhub.3.%driver: uhub
dev.uhub.3.%location: bus=0 hubaddr=1 port=1 devaddr=2 interface=0
dev.uhub.3.%pnpinfo: vendor=0x0409 product=0x005a devclass=0x09 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x09
intsubclass=0x00 intprotocol=0x00
dev.uhub.3.%parent: uhub0
dev.ukbd.%parent:
dev.ukbd.1.%desc: Keyboard Interface
dev.ukbd.1.%driver: ukbd
dev.ukbd.1.%location: bus=0 hubaddr=1 port=7 devaddr=4 interface=0
dev.ukbd.1.%pnpinfo: vendor=0x046b product=0xff10 devclass=0x00 devsubclass=0x00 sernum="" release=0x0100 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.1.%parent: uhub0
dev.ukbd.0.%desc: Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 7
dev.ukbd.0.%driver: ukbd
dev.ukbd.0.%location: bus=0 hubaddr=2 port=1 devaddr=3 interface=0
dev.ukbd.0.%pnpinfo: vendor=0x0853 product=0x0100 devclass=0x00 devsubclass=0x00 sernum="" release=0x0102 mode=host intclass=0x03
intsubclass=0x01 intprotocol=0x01
dev.ukbd.0.%parent: uhub3
dev.ums.%parent:

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dev.ums.0.%desc: Mouse Interface
dev.ums.0.%driver: ums
dev.ums.0.%location: bus=0 hubaddr=1 port=7 devaddr=4 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: uhub0
dev.ums.0.parseinfo: i1: Z:r0, p40, s8; B1:r0, p0, s1; B2:r0, p1, s1; B3:r0, p2, s1;
dev.umass.%parent:
hptmv.status: RocketRAID 18xx SATA Controller driver Version v1.16
```

システム起動時メッセージ

```
Copyright (c) 1992-2014 The FreeBSD Project.
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FreeBSD is a registered trademark of The FreeBSD Foundation.
FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11 21:02:49 UTC 2014
  root@releng1.nyi.freebsd.org:/usr/obj/usr/src/sys/GENERIC amd64
FreeBSD clang version 3.4.1 (tags/RELEASE_34/dot1-final 208032) 20140512
CPU: Intel(R) Xeon(R) CPU E5-2620 v3 @ 2.40GHz (2400.05-MHz K8-class CPU)
  Origin = "GenuineIntel" Id = 0x306f2 Family = 0x6 Model = 0x3f Stepping = 2
  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=0x7ffefbfff<SSE3,PCLMULQDQ,DTES64,MON,DS_CPL,VMX,SMX,EST,TM2,SSSE3,
<b1>,FMA,CX16,xTPR,PDCM,PCID,DCA,SSE4.1,SSE4.2,x2APIC,MOVBE,POPCNT,TSCDLT,AESNI,XSAVE,OSXSAVE,AVX,F16C,RDRAND>
  AMD Features=0x2c100800<SYSCALL,NX,Page1GB,RDTSCP,LM>
  AMD Features2=0x21<LAHF,ABM>
  Structured Extended Features=0x37ab<FSGSBASE,TSCADJ,BMI1,AVX2,SMEP,BMI2,ERMS,INVPCID>
  VT-x: PAT,HLT,MTF,PAUSE,EPT,UG,VPID,VID,PostIntr
  TSC: P-state invariant, performance statistics
real memory = 34359738368 (32768 MB)
avail memory = 33183215616 (31645 MB)
Event timer "LAPIC" quality 600
ACPI APIC Table: <ALASKA A M I >
FreeBSD/SMP: Multiprocessor System Detected: 12 CPUs
FreeBSD/SMP: 1 package(s) x 6 core(s) x 2 SMT threads
cpu0 (BSP): APIC ID: 0
cpu1 (AP): APIC ID: 1
cpu2 (AP): APIC ID: 2
cpu3 (AP): APIC ID: 3
cpu4 (AP): APIC ID: 4
cpu5 (AP): APIC ID: 5
cpu6 (AP): APIC ID: 6
cpu7 (AP): APIC ID: 7
cpu8 (AP): APIC ID: 8
cpu9 (AP): APIC ID: 9
cpu10 (AP): APIC ID: 10
cpu11 (AP): APIC ID: 11
ioapic0 <Version 2.0> irqs 0-23 on motherboard
ioapic1 <Version 2.0> irqs 24-47 on motherboard
kbd1 at kbdmux0
random: <Software, Yarrow> initialized
acpi0: <ALASKA A M I > on motherboard
acpi0: Power Button (fixed)
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
cpu8: <ACPI CPU> on acpi0
cpu9: <ACPI CPU> on acpi0
cpu10: <ACPI CPU> on acpi0
cpu11: <ACPI CPU> on acpi0
atrtc0: <AT realtime clock> port 0x70-0x71,0x74-0x77 irq 8 on acpi0
Event timer "RTC" frequency 32768 Hz quality 0
attimer0: <AT timer> port 0x40-0x43,0x50-0x53 irq 0 on acpi0
Timecounter "i8254" frequency 1193182 Hz quality 0
Event timer "i8254" frequency 1193182 Hz quality 100
hpet0: <High Precision Event Timer> iomem 0xfed00000-0xfed003ff on acpi0
Timecounter "HPET" frequency 14318180 Hz quality 950
Event timer "HPET" frequency 14318180 Hz quality 350
Event timer "HPET1" frequency 14318180 Hz quality 340
Event timer "HPET2" frequency 14318180 Hz quality 340
Event timer "HPET3" frequency 14318180 Hz quality 340
Event timer "HPET4" frequency 14318180 Hz quality 340
Event timer "HPET5" frequency 14318180 Hz quality 340
Event timer "HPET6" frequency 14318180 Hz quality 340
Event timer "HPET7" frequency 14318180 Hz quality 340
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> on acpi0
pci255: <ACPI PCI bus> on pcib0
pcib1: <ACPI Host-PCI bridge> port 0xcf8-0xcff on acpi0
pci0: <ACPI PCI bus> on pcib1
pcib2: <ACPI PCI-PCI bridge> irq 27 at device 1.0 on pci0
pci1: <ACPI PCI bus> on pcib2
LSI MegaRAID SAS FreeBSD mrsas driver version: 06.704.01.01-fbsd
mrsas0: <LSI Invader SAS Controller> port 0xe000-0xe0ff mem 0xfbc00000-0xfbc0ffff,0xfbb00000-0xfbbfffff irq 26 at device 0.0 on pci1
mrsas0: Internal command timed out after 180 seconds.
pcib3: <ACPI PCI-PCI bridge> irq 33 at device 2.0 on pci0
pci64: <ACPI PCI bus> on pcib3
pcib4: <ACPI PCI-PCI bridge> irq 41 at device 3.0 on pci0
pci112: <ACPI PCI bus> on pcib4
igb0: <Intel(R) PRO/1000 Network Connection version - 2.4.0> port 0xd060-0xd07f mem 0xfbd60000-0xfbd7ffff,0xfbd8c000-0xfbd8ffff irq 40 at
device 0.0 on pci112
igb0: Using MSIX interrupts with 9 vectors
igb0: Ethernet address: fc:aa:14:1b:7e:b3
igb0: Bound queue 0 to cpu 0
```

```

igb0: Bound queue 1 to cpu 1
igb0: Bound queue 2 to cpu 2
igb0: Bound queue 3 to cpu 3
igb0: Bound queue 4 to cpu 4
igb0: Bound queue 5 to cpu 5
igb0: Bound queue 6 to cpu 6
igb0: Bound queue 7 to cpu 7
igb1: <Intel(R) PRO/1000 Network Connection version - 2.4.0> port 0xd040-0xd05f mem 0xfbd40000-0xfbd5ffff,0xfbd88000-0xfbd8bfff irq 44 at
device 0.1 on pci112
igb1: Using MSIX interrupts with 9 vectors
igb1: Ethernet address: fc:aa:14:1b:7e:b4
igb1: Bound queue 0 to cpu 8
igb1: Bound queue 1 to cpu 9
igb1: Bound queue 2 to cpu 10
igb1: Bound queue 3 to cpu 11
igb1: Bound queue 4 to cpu 0
igb1: Bound queue 5 to cpu 1
igb1: Bound queue 6 to cpu 2
igb1: Bound queue 7 to cpu 3
igb2: <Intel(R) PRO/1000 Network Connection version - 2.4.0> port 0xd020-0xd03f mem 0xfbd20000-0xfbd3ffff,0xfbd84000-0xfbd87fff irq 45 at
device 0.2 on pci112
igb2: Using MSIX interrupts with 9 vectors
igb2: Ethernet address: fc:aa:14:1b:7e:b5
igb2: Bound queue 0 to cpu 4
igb2: Bound queue 1 to cpu 5
igb2: Bound queue 2 to cpu 6
igb2: Bound queue 3 to cpu 7
igb2: Bound queue 4 to cpu 8
igb2: Bound queue 5 to cpu 9
igb2: Bound queue 6 to cpu 10
igb2: Bound queue 7 to cpu 11
igb3: <Intel(R) PRO/1000 Network Connection version - 2.4.0> port 0xd000-0xd01f mem 0xfbd00000-0xfbd1ffff,0xfbd80000-0xfbd83fff irq 46 at
device 0.3 on pci112
igb3: Using MSIX interrupts with 9 vectors
igb3: Ethernet address: fc:aa:14:1b:7e:b6
igb3: Bound queue 0 to cpu 0
igb3: Bound queue 1 to cpu 1
igb3: Bound queue 2 to cpu 2
igb3: Bound queue 3 to cpu 3
igb3: Bound queue 4 to cpu 4
igb3: Bound queue 5 to cpu 5
igb3: Bound queue 6 to cpu 6
igb3: Bound queue 7 to cpu 7
pcib5: <ACPI PCI-PCI bridge> irq 41 at device 3.1 on pci0
pci113: <ACPI PCI bus> on pcib5
pcib6: <ACPI PCI-PCI bridge> irq 41 at device 3.2 on pci0
pci114: <ACPI PCI bus> on pcib6
pcib7: <ACPI PCI-PCI bridge> irq 41 at device 3.3 on pci0
pci115: <ACPI PCI bus> on pcib7
pci0: <unknown> at device 17.0 (no driver attached)
xhci0: <XHCI (generic) USB 3.0 controller> mem 0xfbe00000-0xfbe0ffff irq 19 at device 20.0 on pci0
xhci0: 32 byte context size.
usb0 on xhci0
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 0xfbe34000-0xfbe343ff irq 18 at device 26.0 on pci0
usb0: EHCI version 1.0
usb0 on ehci0
pcib8: <ACPI PCI-PCI bridge> irq 16 at device 28.0 on pci0
pci116: <ACPI PCI bus> on pcib8
pcib9: <ACPI PCI-PCI bridge> irq 18 at device 28.2 on pci0
pcib9: failed to allocate initial memory window: 0xfbd00000-0xfbd9ffff
pci125: <ACPI PCI bus> on pcib9
vgapci0: <VGA-compatible display> mem 0xfaf00000-0xfaffffff,0xfbf00000-0xfbf7ffff irq 16 at device 0.0 on pci125
vgapci0: Boot video device
ehci1: <EHCI (generic) USB 2.0 controller> mem 0xfbe33000-0xfbe333ff irq 18 at device 29.0 on pci0
usb2: EHCI version 1.0
usb2 on ehci1
isab0: <PCI-ISA bridge> at device 31.0 on pci0
isa0: <ISA bus> on isab0
ahci0: <Intel Wellsburg AHCI SATA controller> port 0xf050-0xf057,0xf040-0xf043,0xf030-0xf037,0xf020-0xf023,0xf000-0xf01f mem
0xfbe32000-0xfbe327ff irq 16 at device 31.2 on pci0
ahci0: AHCI v1.30 with 6 6Gbps ports, Port Multiplier not supported
ahcich0: <AHCI channel> at channel 0 on ahci0
ahcich1: <AHCI channel> at channel 1 on ahci0
ahcich2: <AHCI channel> at channel 2 on ahci0
ahcich3: <AHCI channel> at channel 3 on ahci0
ahcich4: <AHCI channel> at channel 4 on ahci0
ahcich5: <AHCI channel> at channel 5 on ahci0
ahciem0: <AHCI enclosure management bridge> on ahci0
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 ROMs> at iomem 0xc0000-0xc7fff,0xd0000-0xd0fff 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

```

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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
est8: <Enhanced SpeedStep Frequency Control> on cpu8
p4tcc8: <CPU Frequency Thermal Control> on cpu8
est9: <Enhanced SpeedStep Frequency Control> on cpu9
p4tcc9: <CPU Frequency Thermal Control> on cpu9
est10: <Enhanced SpeedStep Frequency Control> on cpu10
p4tcc10: <CPU Frequency Thermal Control> on cpu10
est11: <Enhanced SpeedStep Frequency Control> on cpu11
p4tcc11: <CPU Frequency Thermal Control> on cpu11
random: unblocking device.
usb0: 5.0Gbps Super Speed USB v3.0
Timecounters tick every 1.000 msec
usb1: 480Mbps High Speed USB v2.0
usb2: 480Mbps High Speed USB v2.0
ugen0.1: <0x8086> at usb0
uhub0: <0x8086 XHCI root HUB, class 9/0, rev 3.00/1.00, addr 1> on usb0
ugen1.1: <Intel> at usb1
uhub1: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb1
ugen2.1: <Intel> at usb2
uhub2: <Intel EHCI root HUB, class 9/0, rev 2.00/1.00, addr 1> on usb2
ses0 at ahciem0 bus 0 scbus8 target 0 lun 0
ses0: <AHCI SGPIO Enclosure 1.00 0001> SEMB S-E-S 2.00 device
ses0: SEMB SES Device
da0 at mrsas0 bus 0 scbus0 target 0 lun 0
da0: <LSI MR9362-8i 4.22> Fixed Direct Access SCSI-5 device
da0: Serial Number 0077e6ad020151041e20aa190ab00506
da0: 150.000MB/s transfers
da0: 237888MB (487194624 512 byte sectors: 255H 63S/T 30326C)
SMP: AP CPU #1 Launched!
SMP: AP CPU #9 Launched!
SMP: AP CPU #8 Launched!
SMP: AP CPU #4 Launched!
SMP: AP CPU #5 Launched!
SMP: AP CPU #2 Launched!
SMP: AP CPU #3 Launched!
SMP: AP CPU #10 Launched!
SMP: AP CPU #11 Launched!
SMP: AP CPU #7 Launched!
SMP: AP CPU #6 Launched!
Timecounter "TSC-low" frequency 1200023228 Hz quality 1000
Root mount waiting for: usb2 usb1 usb0
uhub1: 2 ports with 2 removable, self powered
uhub2: 2 ports with 2 removable, self powered
uhub0: 21 ports with 21 removable, self powered
Root mount waiting for: usb2 usb1 usb0
ugen0.2: <vendor 0x0409> at usb0
uhub3: <vendor 0x0409 product 0x005a, class 9/0, rev 2.00/1.00, addr 1> on usb0
ugen1.2: <vendor 0x8087> at usb1
uhub4: <vendor 0x8087 product 0x800a, class 9/0, rev 2.00/0.05, addr 2> on usb1
ugen2.2: <vendor 0x8087> at usb2
uhub5: <vendor 0x8087 product 0x8002, class 9/0, rev 2.00/0.05, addr 2> on usb2
uhub4: 6 ports with 6 removable, self powered
uhub5: 8 ports with 8 removable, self powered
Root mount waiting for: usb0
uhub3: 3 ports with 2 removable, bus powered
ugen0.3: <Topre Corporation> at usb0
ukbd0: <Topre Corporation HHKB Professional, class 0/0, rev 1.10/1.02, addr 2> on usb0
kbd0 at ukbd0
Root mount waiting for: usb0
ugen0.4: <American Megatrends Inc.> at usb0
ukbd1: <Keyboard Interface> on usb0
kbd2 at ukbd1
Trying to mount root from ufs:/dev/da0p2 [rw]...
ums0: <Mouse Interface> on usb0
ums0: 3 buttons and [Z] coordinates ID=0

```


カーネルデバイスツリー

```
nexus0
  apic0
  ram0
    I/O memory addresses:
      0x0-0x9ebff
      0x100000-0x7ada8fff
      0x7bd5d000-0x7bd5dfff
      0x7bde4000-0x7bfffffff
      0x100000000-0x87fffffff
  acpi0
    Interrupt request lines:
      0x9
    I/O ports:
      0x10-0x1f
      0x72-0x73
      0x80
      0x84-0x86
      0x88
      0x8c-0x8e
      0x90-0x9f
      0x400-0x47f
      0x500-0x57f
      0x580-0x59f
      0x600-0x61f
      0x800-0x81f
      0x880-0x883
    I/O memory addresses:
      0xfb800000-0xfb8fffff
      0xfb914000-0xfb914fff
      0xfed12000-0xfed1200f
      0xfed12010-0xfed1201f
      0xfed1b000-0xfed1bfff
      0xfed1c000-0xfed3ffff
      0xfed45000-0xfed8bfff
      0xfe000000-0xfeffffff
      0xff000000-0xffffffff
  pcib0
  pci255
  cpu0
    ACPI I/O ports:
      0x415
    acpi_perf0
    est0
    p4tcc0
    cpufreq0
  cpu1
    ACPI I/O ports:
      0x415
    acpi_perf1
    est1
    p4tcc1
    cpufreq1
  cpu2
    ACPI I/O ports:
      0x415
    acpi_perf2
    est2
    p4tcc2
    cpufreq2
  cpu3
    ACPI I/O ports:
      0x415
    acpi_perf3
    est3
    p4tcc3
    cpufreq3
  cpu4
    ACPI I/O ports:
      0x415
    acpi_perf4
    est4
    p4tcc4
    cpufreq4
  cpu5
    ACPI I/O ports:
      0x415
    acpi_perf5
    est5
    p4tcc5
    cpufreq5
  cpu6
    ACPI I/O ports:
      0x415
    acpi_perf6
    est6
    p4tcc6
    cpufreq6
  cpu7
```

```

ACPI I/O ports:
  0x415
acpi_perf7
est7
p4tcc7
cpufreq7
cpu8
  ACPI I/O ports:
    0x415
acpi_perf8
est8
p4tcc8
cpufreq8
cpu9
  ACPI I/O ports:
    0x415
acpi_perf9
est9
p4tcc9
cpufreq9
cpu10
  ACPI I/O ports:
    0x415
acpi_perf10
est10
p4tcc10
cpufreq10
cpu11
  ACPI I/O ports:
    0x415
acpi_perf11
est11
p4tcc11
cpufreq11
pcib1
  I/O ports:
    0xcf8-0xcff
pci0
hostb0
pci2
  I/O ports:
    0xe000-0xefff
  I/O memory addresses:
    0xfba00000-0xfbcfffff
pci1
  mrsas0
    Interrupt request lines:
      0x1a
    pci2 I/O port window:
      0xe000-0xe0ff
    pci2 memory window:
      0xfbb00000-0xfbbffffff
      0xfbc00000-0xfbc0fffff
pci3
pci64
pci4
  I/O ports:
    0xd000-0xdfff
  I/O memory addresses:
    0xfbd00000-0xfbdffffff
pci112
  igb0
    Interrupt request lines:
      0x108
      0x109
      0x10a
      0x10b
      0x10c
      0x10d
      0x10e
      0x10f
      0x110
    pci4 I/O port window:
      0xd060-0xd07f
    pci4 memory window:
      0xfbd60000-0xfbd7fffff
      0xfbd8c000-0xfbd8fffff
  igb1
    Interrupt request lines:
      0x111
      0x112
      0x113
      0x114
      0x115
      0x116
      0x117
      0x118
      0x119
    pci4 I/O port window:
      0xd040-0xd05f
    pci4 memory window:
      0xfbd40000-0xfbd5fffff
      0xfbd88000-0xfbd8bffff
  igb2

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Interrupt request lines:
  0x11a
  0x11b
  0x11c
  0x11d
  0x11e
  0x11f
  0x120
  0x121
  0x122
pcib4 I/O port window:
  0xd020-0xd03f
pcib4 memory window:
  0xfbd20000-0xfbd3ffff
  0xfbd84000-0xfbd87fff
igb3
Interrupt request lines:
  0x123
  0x124
  0x125
  0x126
  0x127
  0x128
  0x129
  0x12a
  0x12b
pcib4 I/O port window:
  0xd000-0xd01f
pcib4 memory window:
  0xfbd00000-0xfbd1ffff
  0xfbd80000-0xfbd83fff
pcib5
pci113
pcib6
pci114
pcib7
pci115
ioapic0
  I/O memory addresses:
    0xfbe38000-0xfbe38fff
xhci0
Interrupt request lines:
  0x13
  I/O memory addresses:
    0xfbe00000-0xfbe0ffff
usb0
uhub0
ukbd1
ums0
uhub3
ukbd0
ehci0
Interrupt request lines:
  0x12
  I/O memory addresses:
    0xfbe34000-0xfbe343ff
usb1
uhub1
uhub4
pcib8
pci116
pcib9
  I/O memory addresses:
    0xfa000000-0xfaffffff
    0xfb000000-0xfb7fffff
pci125
vgapci0
  pcib9 memory window:
    0xfb000000-0xfb7fffff
  pcib9 prefetch window:
    0xfa000000-0xfaffffff
ehci1
Interrupt request lines:
  0x12
  I/O memory addresses:
    0xfbe33000-0xfbe333ff
usb2
uhub2
uhub5
isab0
isa0
sc0
vga0
  I/O ports:
    0x3c0-0x3df
  I/O memory addresses:
    0xa0000-0xbffff
orm0
  I/O memory addresses:
    0xc0000-0xc7fff
    0xd0000-0xd0fff
ahci0
Interrupt request lines:
  0x12c

```

```

I/O ports:
  0xf000-0xf01f
  0xf020-0xf023
  0xf030-0xf037
  0xf040-0xf043
  0xf050-0xf057
I/O memory addresses:
  0xfbe32000-0xfbe327ff
ahcich0
  I/O memory addresses:
  0xfbe32100-0xfbe3217f
ahcich1
  I/O memory addresses:
  0xfbe32180-0xfbe321ff
ahcich2
  I/O memory addresses:
  0xfbe32200-0xfbe3227f
ahcich3
  I/O memory addresses:
  0xfbe32280-0xfbe322ff
ahcich4
  I/O memory addresses:
  0xfbe32300-0xfbe3237f
ahcich5
  I/O memory addresses:
  0xfbe32380-0xfbe323ff
ahciem0
  I/O memory addresses:
  0xfbe32020-0xfbe32023
  0xfbe32580-0xfbe32587
atdma0
  DMA request lines:
  4
  I/O ports:
  0x0-0xf
  0x81-0x83
  0x87
  0x89-0x8b
  0x8f
  0xc0-0xdf
atrtc0
  Interrupt request lines:
  0x8
  I/O ports:
  0x70-0x71
  0x74-0x77
fpupnp0
  I/O ports:
  0xf0
attimer0
  Interrupt request lines:
  0x0
  I/O ports:
  0x40-0x43
  0x50-0x53
hpet0
  Interrupt request lines:
  0x100
  0x101
  0x102
  0x103
  0x104
  0x105
  0x106
  0x107
  I/O memory addresses:
  0xfed00000-0xfed003ff
acpi_sysresource0
acpi_sysresource1
uart0
  Interrupt request lines:
  0x4
  I/O ports:
  0x3f8-0x3ff
uart1
  Interrupt request lines:
  0x3
  I/O ports:
  0x2f8-0x2ff
acpi_sysresource2
acpi_button0
pci_link0
pci_link1
pci_link2
pci_link3
pci_link4
pci_link5
pci_link6
pci_link7
acpi_timer0
  ACPI I/O ports:
  0x408-0x40b

```

PCIバスデータ詳細一覧

```
none0@pci0:255:11:0: class=0x088000 card=0x805a1bcf chip=0x2f818086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none1@pci0:255:11:1: class=0x110100 card=0x805a1bcf chip=0x2f368086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none2@pci0:255:11:2: class=0x110100 card=0x805a1bcf chip=0x2f378086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none3@pci0:255:12:0: class=0x088000 card=0x805a1bcf chip=0x2fe08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none4@pci0:255:12:1: class=0x088000 card=0x805a1bcf chip=0x2fe18086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none5@pci0:255:12:2: class=0x088000 card=0x805a1bcf chip=0x2fe28086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none6@pci0:255:12:3: class=0x088000 card=0x805a1bcf chip=0x2fe38086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none7@pci0:255:12:4: class=0x088000 card=0x805a1bcf chip=0x2fe48086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none8@pci0:255:12:5: class=0x088000 card=0x805a1bcf chip=0x2fe58086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none9@pci0:255:15:0: class=0x088000 card=0x00000000 chip=0x2ff88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none10@pci0:255:15:1: class=0x088000 card=0x00000000 chip=0x2ff98086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none11@pci0:255:15:4: class=0x088000 card=0x805a1bcf chip=0x2ffc8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none12@pci0:255:15:5: class=0x088000 card=0x805a1bcf chip=0x2ffd8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none13@pci0:255:15:6: class=0x088000 card=0x805a1bcf chip=0x2ffe8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none14@pci0:255:16:0: class=0x088000 card=0x805a1bcf chip=0x2fd18086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none15@pci0:255:16:1: class=0x110100 card=0x805a1bcf chip=0x2f348086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none16@pci0:255:16:5: class=0x088000 card=0x805a1bcf chip=0x2f1e8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none17@pci0:255:16:6: class=0x110100 card=0x805a1bcf chip=0x2fd78086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none18@pci0:255:16:7: class=0x088000 card=0x805a1bcf chip=0x2f1f8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none19@pci0:255:18:0: class=0x088000 card=0x805a1bcf chip=0x2fa08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none20@pci0:255:18:1: class=0x110100 card=0x2f308086 chip=0x2f308086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = dasp
none21@pci0:255:19:0: class=0x088000 card=0x805a1bcf chip=0x2fa88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none22@pci0:255:19:1: class=0x088000 card=0x805a1bcf chip=0x2f718086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none23@pci0:255:19:2: class=0x088000 card=0x805a1bcf chip=0x2faa8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none24@pci0:255:19:3: class=0x088000 card=0x805a1bcf chip=0x2fab8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none25@pci0:255:19:4: class=0x088000 card=0x805a1bcf chip=0x2fac8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none26@pci0:255:19:5: class=0x088000 card=0x805a1bcf chip=0x2fad8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none27@pci0:255:19:6: class=0x088000 card=0x00000000 chip=0x2fae8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none28@pci0:255:19:7: class=0x088000 card=0x00000000 chip=0x2faf8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none29@pci0:255:20:0: class=0x088000 card=0x805a1bcf chip=0x2fb08086 rev=0x02 hdr=0x00
```

```

vendor = 'Intel Corporation'
class = base peripheral
none30@pci0:255:20:1: class=0x0888000 card=0x805a1bcf chip=0x2fb18086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none31@pci0:255:20:2: class=0x0888000 card=0x805a1bcf chip=0x2fb28086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none32@pci0:255:20:3: class=0x0888000 card=0x805a1bcf chip=0x2fb38086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none33@pci0:255:20:6: class=0x0888000 card=0x00000000 chip=0x2f8e8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none34@pci0:255:20:7: class=0x0888000 card=0x00000000 chip=0x2fbf8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none35@pci0:255:21:0: class=0x0888000 card=0x805a1bcf chip=0x2fb48086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none36@pci0:255:21:1: class=0x0888000 card=0x805a1bcf chip=0x2fb58086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none37@pci0:255:21:2: class=0x0888000 card=0x805a1bcf chip=0x2fb68086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none38@pci0:255:21:3: class=0x0888000 card=0x805a1bcf chip=0x2fb78086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none39@pci0:255:22:0: class=0x0888000 card=0x00000000 chip=0x2f688086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none40@pci0:255:22:6: class=0x0888000 card=0x00000000 chip=0x2f6e8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none41@pci0:255:22:7: class=0x0888000 card=0x00000000 chip=0x2f6f8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none42@pci0:255:23:0: class=0x0888000 card=0x00000000 chip=0x2fd08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none43@pci0:255:23:4: class=0x0888000 card=0x00000000 chip=0x2fb88086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none44@pci0:255:23:5: class=0x0888000 card=0x00000000 chip=0x2fb98086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none45@pci0:255:23:6: class=0x0888000 card=0x00000000 chip=0x2fba8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none46@pci0:255:23:7: class=0x0888000 card=0x00000000 chip=0x2fbb8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none47@pci0:255:30:0: class=0x0888000 card=0x805a1bcf chip=0x2f988086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none48@pci0:255:30:1: class=0x0888000 card=0x805a1bcf chip=0x2f998086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none49@pci0:255:30:2: class=0x0888000 card=0x805a1bcf chip=0x2f9a8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none50@pci0:255:30:3: class=0x0888000 card=0x805a1bcf chip=0x2fc08086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none51@pci0:255:30:4: class=0x0888000 card=0x805a1bcf chip=0x2f9c8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none52@pci0:255:31:0: class=0x0888000 card=0x00000000 chip=0x2f888086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
none53@pci0:255:31:2: class=0x0888000 card=0x00000000 chip=0x2f8a8086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
class = base peripheral
hostb0@pci0:0:0:0: class=0x0600000 card=0x805a1bcf chip=0x2f008086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
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
ecap 000b[300] = Vendor 1 ID 8
pcib2@pci0:0:1:0: class=0x0604000 card=0x805a1bcf chip=0x2f028086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x805a1bcf
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)

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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
ecap 000b[300] = Vendor 1 ID 8
pcib3@pci0:0:2:0: class=0x060400 card=0x805a1bcf chip=0x2f048086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x805a1bcf
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
ecap 000b[300] = Vendor 1 ID 8
pcib4@pci0:0:3:0: class=0x060400 card=0x805a1bcf chip=0x2f088086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x805a1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port slot max data 256(256) link x4(x4)
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
ecap 000b[300] = Vendor 1 ID 8
pcib5@pci0:0:3:1: class=0x060400 card=0x805a1bcf chip=0x2f098086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x805a1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x4)
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
ecap 000b[300] = Vendor 1 ID 8
pcib6@pci0:0:3:2: class=0x060400 card=0x805a1bcf chip=0x2f0a8086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x805a1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x4)
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
ecap 000b[300] = Vendor 1 ID 8
pcib7@pci0:0:3:3: class=0x060400 card=0x805a1bcf chip=0x2f0b8086 rev=0x02 hdr=0x01
vendor = 'Intel Corporation'
class = bridge
subclass = PCI-PCI
cap 0d[40] = PCI Bridge card=0x805a1bcf
cap 05[60] = MSI supports 2 messages, vector masks
cap 10[90] = PCI-Express 2 root port max data 128(256) link x0(x4)
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
ecap 000b[300] = Vendor 1 ID 8
none54@pci0:0:4:0: class=0x088000 card=0x805a1bcf chip=0x2f208086 rev=0x02 hdr=0x00
vendor = 'Intel Corporation'
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)

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    cap 01[e0] = powerspec 3 supports D0 D3 current D0
none55@pci:0:4:1:    class=0x088000 card=0x805a1bcf chip=0x2f218086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    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:0:4:2:    class=0x088000 card=0x805a1bcf chip=0x2f228086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    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:0:4:3:    class=0x088000 card=0x805a1bcf chip=0x2f238086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    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:0:4:4:    class=0x088000 card=0x805a1bcf chip=0x2f248086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    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
none59@pci:0:4:5:    class=0x088000 card=0x805a1bcf chip=0x2f258086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    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
none60@pci:0:4:6:    class=0x088000 card=0x805a1bcf chip=0x2f268086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    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
none61@pci:0:4:7:    class=0x088000 card=0x805a1bcf chip=0x2f278086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    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
none62@pci:0:5:0:    class=0x088000 card=0x805a1bcf chip=0x2f288086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    class    = base peripheral
    cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
none63@pci:0:5:1:    class=0x088000 card=0x805a1bcf chip=0x2f298086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    class    = base peripheral
    cap 10[40] = PCI-Express 1 root endpoint max data 128(128) link x0(x0)
    cap 05[80] = MSI supports 1 message, 64 bit
    ecap 000b[100] = Vendor 1 ID 6
    ecap 000b[110] = Vendor 1 ID 6
    ecap 000b[120] = Vendor 1 ID 6
    ecap 000b[130] = Vendor 1 ID 6
none64@pci:0:5:2:    class=0x088000 card=0x805a1bcf chip=0x2f2a8086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    class    = base peripheral
    cap 10[40] = PCI-Express 2 root endpoint max data 128(128) link x0(x0)
ioapic0@pci:0:5:4:    class=0x080020 card=0x805a1bcf chip=0x2f2c8086 rev=0x02 hdr=0x00
    vendor    = 'Intel Corporation'
    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
none65@pci:0:17:0:    class=0xff0000 card=0x805a1bcf chip=0x8d7c8086 rev=0x05 hdr=0x00
    vendor    = 'Intel Corporation'
    cap 10[40] = PCI-Express 2 root endpoint 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
xhci0@pci:0:20:0:    class=0x0c0330 card=0x805a1bcf chip=0x8d318086 rev=0x05 hdr=0x00
    vendor    = 'Intel Corporation'
    class    = serial bus
    subclass = USB
    cap 01[70] = powerspec 2 supports D0 D3 current D0
none66@pci:0:22:0:    class=0x078000 card=0x805a1bcf chip=0x8d3a8086 rev=0x05 hdr=0x00
    vendor    = 'Intel Corporation'
    class    = simple comms
    cap 01[50] = powerspec 3 supports D0 D3 current D0
    cap 05[8c] = MSI supports 1 message, 64 bit
none67@pci:0:22:1:    class=0x078000 card=0x805a1bcf chip=0x8d3b8086 rev=0x05 hdr=0x00
    vendor    = 'Intel Corporation'
    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=0x805a1bcf chip=0x8d2d8086 rev=0x05 hdr=0x00

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vendor      = 'Intel Corporation'
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@pci0:0:28:0:      class=0x060400 card=0x805a1bcf chip=0x8d108086 rev=0xd5 hdr=0x01
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-PCI
cap 10[40] = PCI-Express 2 root port slot max data 128(128) link x0(x1)
              speed 0.0(5.0) ASPM disabled(L0s/L1)
cap 05[80] = MSI supports 1 message
cap 0d[90] = PCI Bridge card=0x805a1bcf
cap 01[a0] = powerspec 3 supports D0 D3 current D0
pcib9@pci0:0:28:2:      class=0x060400 card=0x805a1bcf chip=0x8d148086 rev=0xd5 hdr=0x01
vendor      = 'Intel Corporation'
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(L0s/L1)
cap 05[80] = MSI supports 1 message enabled with 1 message
cap 0d[90] = PCI Bridge card=0x805a1bcf
cap 01[a0] = powerspec 3 supports D0 D3 current D0
ehci1@pci0:0:29:0:      class=0x0c0320 card=0x805a1bcf chip=0x8d268086 rev=0x05 hdr=0x00
vendor      = 'Intel Corporation'
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
isab0@pci0:0:31:0:      class=0x060100 card=0x805a1bcf chip=0x8d448086 rev=0x05 hdr=0x00
vendor      = 'Intel Corporation'
class       = bridge
subclass    = PCI-ISA
cap 09[e0] = vendor (length 12) Intel cap 1 version 0
              features: AMT, 4 PCI-e x1 slots
ahci0@pci0:0:31:2:      class=0x010601 card=0x805a1bcf chip=0x8d028086 rev=0x05 hdr=0x00
vendor      = 'Intel Corporation'
class       = mass storage
subclass    = SATA
cap 05[80] = MSI supports 1 message enabled with 1 message
cap 01[70] = powerspec 3 supports D0 D3 current D0
cap 12[a8] = SATA Index-Data Pair
none68@pci0:0:31:3:      class=0x0c0500 card=0x805a1bcf chip=0x8d228086 rev=0x05 hdr=0x00
vendor      = 'Intel Corporation'
class       = serial bus
subclass    = SMBus
mrsas0@pci0:1:0:0:      class=0x010400 card=0x93641000 chip=0x005d1000 rev=0x02 hdr=0x00
vendor      = 'LSI Logic / Symbios Logic'
device      = 'MegaRAID SAS-3 3108 [Invader]'
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, vector masks
cap 11[c0] = MSI-X supports 97 messages
              Table in map 0x14[0xe000], PBA in map 0x14[0xf000]
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
igb0@pci0:112:0:0:      class=0x020000 card=0x805a1bcf chip=0x15218086 rev=0x01 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'I350 Gigabit Network Connection'
class       = network
subclass    = ethernet
cap 01[40] = powerspec 3 supports D0 D3 current D0
cap 05[50] = MSI supports 1 message, 64 bit, vector masks
cap 11[70] = MSI-X supports 10 messages, enabled
              Table in map 0x1c[0x0], PBA in map 0x1c[0x2000]
cap 10[a0] = PCI-Express 2 endpoint max data 256(512) FLR link x4(x4)
              speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 2 0 fatal 0 non-fatal 1 corrected
ecap 0003[140] = Serial 1 fcaa14ffff1b7eb3
ecap 000e[150] = ARI 1
ecap 0017[1a0] = TPH Requester 1
ecap 0018[1c0] = LTR 1
ecap 000d[1d0] = ACS 1
igb1@pci0:112:0:1:      class=0x020000 card=0x805a1bcf chip=0x15218086 rev=0x01 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'I350 Gigabit Network Connection'
class       = network
subclass    = ethernet
cap 01[40] = powerspec 3 supports D0 D3 current D0
cap 05[50] = MSI supports 1 message, 64 bit, vector masks
cap 11[70] = MSI-X supports 10 messages, enabled
              Table in map 0x1c[0x0], PBA in map 0x1c[0x2000]
cap 10[a0] = PCI-Express 2 endpoint max data 256(512) FLR link x4(x4)
              speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 2 0 fatal 0 non-fatal 1 corrected

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ecap 0003[140] = Serial 1 fcaa14ffff1b7eb3
ecap 000e[150] = ARI 1
ecap 0017[1a0] = TPH Requester 1
ecap 000d[1d0] = ACS 1
igb2@pci0:112:0:2:      class=0x020000 card=0x805a1bcf chip=0x15218086 rev=0x01 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'I350 Gigabit Network Connection'
class       = network
subclass    = ethernet
cap 01[40] = powerspec 3  supports D0 D3  current D0
cap 05[50] = MSI supports 1 message, 64 bit, vector masks
cap 11[70] = MSI-X supports 10 messages, enabled
             Table in map 0x1c[0x0], PBA in map 0x1c[0x2000]
cap 10[a0] = PCI-Express 2 endpoint max data 256(512) FLR link x4(x4)
             speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 2 0 fatal 0 non-fatal 1 corrected
ecap 0003[140] = Serial 1 fcaa14ffff1b7eb3
ecap 000e[150] = ARI 1
ecap 0017[1a0] = TPH Requester 1
ecap 000d[1d0] = ACS 1
igb3@pci0:112:0:3:      class=0x020000 card=0x805a1bcf chip=0x15218086 rev=0x01 hdr=0x00
vendor      = 'Intel Corporation'
device      = 'I350 Gigabit Network Connection'
class       = network
subclass    = ethernet
cap 01[40] = powerspec 3  supports D0 D3  current D0
cap 05[50] = MSI supports 1 message, 64 bit, vector masks
cap 11[70] = MSI-X supports 10 messages, enabled
             Table in map 0x1c[0x0], PBA in map 0x1c[0x2000]
cap 10[a0] = PCI-Express 2 endpoint max data 256(512) FLR link x4(x4)
             speed 5.0(5.0) ASPM disabled(L0s/L1)
ecap 0001[100] = AER 2 0 fatal 0 non-fatal 1 corrected
ecap 0003[140] = Serial 1 fcaa14ffff1b7eb3
ecap 000e[150] = ARI 1
ecap 0017[1a0] = TPH Requester 1
ecap 000d[1d0] = ACS 1
vgapci0@pci0:125:0:0:   class=0x030000 card=0x805a1bcf chip=0x0522102b rev=0x00 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

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ACPI電源管理データ詳細一覧

```
RSD PTR: OEM=ALASKA, ACPI_Rev=2.0x (2)
XSDT=0x7b379080, Length=36, cksum=26
XSDT: Length=132, Revision=1, Checksum=30,
OEMID=ALASKA, OEM Table ID=A M I, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
Entries={ 0x7b38f590, 0x7b38f6a0, 0x7b38f7a0, 0x7b38f840, 0x7b38f880, 0x7b38f8b8, 0x7b38f8e8, 0x7b390740, 0x7b3983a8, 0x7b399c90,
0x7b399cf8, 0x7b399dd0 }
FACP: Length=268, Revision=5, Checksum=153,
OEMID=ALASKA, OEM Table ID=A M I, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
FACS=0x7b8def80, DSDT=0x7b379198
INT_MODEL=APIC
Preferred_PM_Profile=Enterprise Server (4)
SCI_INT=9
SMT_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_ALARM=13, MON_ALARM=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}
RESET_REG=0x50d:0[8] (IO), RESET_VALUE=0xbf
FACS: Length=64, HwSig=0x0000000f, FirmWake_Vec=0x00000000
Global_Lock=
Flags=
Version=2
DSDT: Length=91123, Revision=2, Checksum=15,
OEMID=ALASKA, OEM Table ID=A M I, OEM Revision=0x1072009,
Creator ID=INTL, Creator Revision=0x20091013
APIC: Length=256, Revision=3, Checksum=230,
OEMID=ALASKA, OEM Table ID=A M I, 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=2
Flags={ENABLED}
APIC ID=2
Type=Local APIC
ACPI CPU=4
Flags={ENABLED}
APIC ID=4
Type=Local APIC
ACPI CPU=6
Flags={ENABLED}
APIC ID=6
Type=Local APIC
ACPI CPU=8
Flags={ENABLED}
APIC ID=8
Type=Local APIC
ACPI CPU=10
Flags={ENABLED}
APIC ID=10
Type=Local APIC
ACPI CPU=1
Flags={ENABLED}
APIC ID=1
Type=Local APIC
ACPI CPU=3
Flags={ENABLED}
APIC ID=3
Type=Local APIC
ACPI CPU=5
Flags={ENABLED}
APIC ID=5
Type=Local APIC
ACPI CPU=7
Flags={ENABLED}
APIC ID=7
Type=Local APIC
ACPI CPU=9
Flags={ENABLED}
APIC ID=9
Type=Local APIC
ACPI CPU=11
Flags={ENABLED}
APIC ID=11
```

```

Type=Local APIC NMI
ACPI CPU=0
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=4
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=8
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=10
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=3
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=7
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=9
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=Local APIC NMI
ACPI CPU=11
LINT Pin=1
Flags={Polarity=active-hi, Trigger=edge}
Type=IO APIC
APIC ID=8
INT BASE=0
ADDR=0x00000000fec00000
Type=IO APIC
APIC ID=9
INT BASE=24
ADDR=0x00000000fec01000
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}
FIDT: Length=156, Revision=1, Checksum=33,
OEMID=ALASKA, OEM Table ID=A M I, OEM Revision=0x1072009,
Creator ID=AMI, Creator Revision=0x10013
MCFG: Length=60, Revision=1, Checksum=138,
OEMID=AMI, OEM Table ID=068F, OEM Revision=0x1072009,
Creator ID=MSFT, Creator Revision=0x97
Base Address=0x0000000080000000
Segment Group=0x0000
Start Bus=0
End Bus=255
HPET: Length=56, Revision=1, Checksum=77,
OEMID=ALASKA, OEM Table ID=A M I, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x20091013
HPET Number=0
ADDR=0xfed00000:0[64] (Memory) HW Rev=0x1
Comparators=7
Counter Size=1
Legacy IRQ routing capable={TRUE}
PCI Vendor ID=0x8086
Minimal Tick=14318
SLIT: Length=45, Revision=1, Checksum=35,
OEMID=ALASKA, OEM Table ID=A M I, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x20091013
Locality Count=1
SRAT: Length=3672, Revision=3, Checksum=255,
OEMID=ALASKA, OEM Table ID=A M I, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x20091013
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=8
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=10
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=1
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=3
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=5
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=7
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=9
Proximity Domain=0
Type=CPU
Flags={ENABLED}
APIC ID=11
Proximity Domain=0
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=0
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=0
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=0
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=0
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=0
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=0
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=1
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=1
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=1
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=1
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=1
Type=CPU
Flags={DISABLED}

Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=3
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=3
Type=CPU
Flags={DISABLED}
APIC ID=255
Proximity Domain=3
Type=Memory
Flags={ENABLED}
Base Address=0x0000000000000000
Length=0x0000000080000000
Proximity Domain=0
Type=Memory
Flags={ENABLED}
Base Address=0x0000000100000000
Length=0x0000000780000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
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Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
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Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
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Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}
Base Address=0x0000000000000000
Length=0x0000000000000000
Proximity Domain=0
Type=Memory
Flags={DISABLED}


```

Creator ID=INTL, Creator Revision=0x20091013
Host Address Width=46
Flags={INTR_REMAP,X2APIC_OPT_OUT}
Type=DRHD
Length=40
Flags={INCLUDE_ALL}
Segment=0
Address=0xfbffc000
  Type=IOAPIC
  Length=8
  EnumerationId=8
  StartBusNumber=240
  Path={31:7}
  Type=IOAPIC
  Length=8
  EnumerationId=9
  StartBusNumber=0
  Path={5:4}
  Type=HPET
  Length=8
  EnumerationId=0
  StartBusNumber=240
  Path={15:0}
Type=RMRR
Length=48
Segment=0
BaseAddress=0x7bcc1000
LimitAddress=0x7bcd0fff
  Type=PCI Endpoint Device
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={20:0}
  Type=PCI Endpoint Device
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={26:0}
  Type=PCI Endpoint Device
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={29:0}
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={3:1}
  Type=PCI Sub-Hierarchy
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={3:2}
  Type=PCI Sub-Hierarchy
  Length=8
  EnumerationId=0
  StartBusNumber=0
  Path={3:3}
Type=RHSA
Length=20
BaseAddress=0xfbffc000
ProximityDomain=0x00000000
BERT: Length=48, Revision=1, Checksum=12,
OEMID=ALASKA, OEM Table ID=A M I, OEM Revision=0x1,
Creator ID=INTL, Creator Revision=0x1
  Store ("H2: 0xD6 ME WP != ME RP", Debug)
  Store ("H2: 0xD7 Command == 0 ", Debug)

```

ネットワークインターフェースデータ詳細一覧

```
igb0: flags=8843<UP,BROADCAST,RUNNING,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=403bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TS04, TS06, VLAN_HWTSO>
ether fc:aa:14:1b:7e:b3
nd6 options=29<PERFORMNUD,IFDISABLED,AUTO_LINKLOCAL>
media: Ethernet autoselect
status: no carrier
igb1: flags=8c02<BROADCAST,ACTIVE,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=403bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TS04, TS06, VLAN_HWTSO>
ether fc:aa:14:1b:7e:b4
nd6 options=29<PERFORMNUD,IFDISABLED,AUTO_LINKLOCAL>
media: Ethernet autoselect
status: no carrier
igb2: flags=8c02<BROADCAST,ACTIVE,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=403bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TS04, TS06, VLAN_HWTSO>
ether fc:aa:14:1b:7e:b5
nd6 options=29<PERFORMNUD,IFDISABLED,AUTO_LINKLOCAL>
media: Ethernet autoselect
status: no carrier
igb3: flags=8c02<BROADCAST,ACTIVE,SIMPLEX,MULTICAST> metric 0 mtu 1500
options=403bb<RXCSUM, TXCSUM, VLAN_MTU, VLAN_HWTAGGING, JUMBO_MTU, VLAN_HWCSUM, TS04, TS06, VLAN_HWTSO>
ether fc:aa:14:1b:7e:b6
nd6 options=29<PERFORMNUD,IFDISABLED,AUTO_LINKLOCAL>
media: Ethernet autoselect
status: no carrier
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 0xffff0000
nd6 options=21<PERFORMNUD,AUTO_LINKLOCAL>
```

デバイス認識詳細一覧

2	1 dr-xr-xr-x	17 root	wheel	512 Dec 22 00:45	/dev
105	0 lrwxr-xr-x	1 root	wheel	12 Dec 21 15:46	/dev/log -> /var/run/log
138	0 lrwxr-xr-x	1 root	wheel	10 Dec 22 00:45	/dev/dumpdev ->
/dev/da0p3					
3	0 crw-----	1 root	wheel	0x3 Dec 21 15:46	/dev/console
4	0 crw-r-----	1 root	operator	0x4 Dec 21 15:45	/dev/geom.ctl
5	0 cr--r--r--	1 root	wheel	0x5 Dec 21 15:45	/dev/sndstat
6	0 crw-----	1 root	wheel	0x6 Dec 21 15:45	/dev/devctl
7	0 crw-----	1 root	wheel	0x7 Dec 21 15:45	/dev/kbdmux0
8	0 lrwxr-xr-x	1 root	wheel	7 Dec 21 15:45	/dev/kbd1 -> kbdmux0
9	0 crw-r-----	1 root	kmem	0x9 Dec 21 15:45	/dev/mem
10	0 crw-r-----	1 root	kmem	0xa Dec 21 15:45	/dev/kmem
11	0 crw-rw-rw-	1 root	wheel	0xb Dec 21 15:45	/dev/tty
12	0 crw-----	1 root	wheel	0xc Dec 21 15:45	/dev/bpf
13	0 lrwxr-xr-x	1 root	wheel	3 Dec 21 15:45	/dev/bpf0 -> bpf
14	0 crw-----	1 root	wheel	0xe Dec 21 15:45	/dev/fido
15	0 crw-rw-rw-	1 root	wheel	0xf Dec 22 15:57	/dev/null
16	0 crw-rw-rw-	1 root	wheel	0x10 Dec 21 15:45	/dev/zero
17	0 crw-r--r--	1 root	wheel	0x11 Dec 21 15:45	/dev/pci
18	0 crw-----	1 root	kmem	0x12 Dec 21 15:45	/dev/nfslock
19	0 crw-----	1 root	kmem	0x13 Dec 21 15:45	/dev/audit
20	0 crw-rw-rw-	1 root	wheel	0x14 Dec 22 00:45	/dev/random
21	0 lrwxr-xr-x	1 root	wheel	6 Dec 21 15:45	/dev/urandom -> random
132	1 dr-xr-xr-x	2 root	wheel	512 Dec 21 15:45	/dev/fd
22	0 crw-rw-rw-	1 root	wheel	0x16 Dec 21 15:45	/dev/fd/0
24	0 crw-rw-rw-	1 root	wheel	0x18 Dec 21 15:45	/dev/fd/1
26	0 crw-rw-rw-	1 root	wheel	0x1a Dec 21 15:45	/dev/fd/2
23	0 lrwxr-xr-x	1 root	wheel	4 Dec 21 15:45	/dev/stdin -> fd/0
25	0 lrwxr-xr-x	1 root	wheel	4 Dec 21 15:45	/dev/stdout -> fd/1
27	0 lrwxr-xr-x	1 root	wheel	4 Dec 21 15:45	/dev/stderr -> fd/2
28	0 crw-----	1 root	wheel	0x1c Dec 21 15:45	/dev/io
29	0 crw-rw-rw-	1 root	wheel	0x1d Dec 21 15:45	/dev/midstat
30	0 crw-----	1 root	wheel	0x1e Dec 21 15:45	/dev/sysmouse
31	0 crw-----	1 root	wheel	0x1f Dec 21 15:45	/dev/klog
32	0 crw-r--r--	1 root	wheel	0x20 Dec 21 15:45	/dev/acpi
33	0 crw-rw-rw-	1 root	operator	0x21 Dec 21 15:45	/dev/apmctl
34	0 crw-rw-rw-	1 root	operator	0x22 Dec 21 15:45	/dev/apm
35	0 crw-rw-rw-	1 root	operator	0x23 Dec 21 15:45	/dev/mrsas0
133	1 dr-xr-xr-x	2 root	wheel	512 Dec 21 15:45	/dev/led
36	0 crw-----	1 root	wheel	0x24 Dec 21 15:45	/dev/led/igb0
37	0 crw-----	1 root	wheel	0x25 Dec 21 15:45	/dev/led/igb1
38	0 crw-----	1 root	wheel	0x26 Dec 21 15:45	/dev/led/igb2
39	0 crw-----	1 root	wheel	0x27 Dec 21 15:45	/dev/led/igb3
40	0 crw-----	1 root	wheel	0x28 Dec 21 15:45	/dev/led/ahci0.0.locate
41	0 crw-----	1 root	wheel	0x29 Dec 21 15:45	/dev/led/ahci0.0.fault
42	0 crw-----	1 root	wheel	0x2a Dec 21 15:45	/dev/led/ahci0.1.locate
43	0 crw-----	1 root	wheel	0x2b Dec 21 15:45	/dev/led/ahci0.1.fault
44	0 crw-----	1 root	wheel	0x2c Dec 21 15:45	/dev/led/ahci0.2.locate
45	0 crw-----	1 root	wheel	0x2d Dec 21 15:45	/dev/led/ahci0.2.fault
46	0 crw-----	1 root	wheel	0x2e Dec 21 15:45	/dev/led/ahci0.3.locate
47	0 crw-----	1 root	wheel	0x2f Dec 21 15:45	/dev/led/ahci0.3.fault
48	0 crw-----	1 root	wheel	0x30 Dec 21 15:45	/dev/led/ahci0.4.locate
49	0 crw-----	1 root	wheel	0x31 Dec 21 15:45	/dev/led/ahci0.4.fault
50	0 crw-----	1 root	wheel	0x32 Dec 21 15:45	/dev/led/ahci0.5.locate
51	0 crw-----	1 root	wheel	0x33 Dec 21 15:45	/dev/led/ahci0.5.fault
52	0 crw-----	1 root	wheel	0x34 Dec 21 15:45	/dev/tty0
53	0 crw-----	1 root	wheel	0x35 Dec 21 15:45	/dev/tty0.init
54	0 crw-----	1 root	wheel	0x36 Dec 21 15:45	/dev/tty0.lock
55	0 crw-rw-rw-	1 uucp	dialer	0x37 Dec 21 15:45	/dev/cua0
56	0 crw-rw-rw-	1 uucp	dialer	0x38 Dec 21 15:45	/dev/cua0.init
57	0 crw-rw-rw-	1 uucp	dialer	0x39 Dec 21 15:45	/dev/cua0.lock
58	0 crw-----	1 root	wheel	0x3a Dec 21 15:45	/dev/tty1
59	0 crw-----	1 root	wheel	0x3b Dec 21 15:45	/dev/tty1.init
60	0 crw-----	1 root	wheel	0x3c Dec 21 15:45	/dev/tty1.lock
61	0 crw-rw-rw-	1 uucp	dialer	0x3d Dec 21 15:45	/dev/cua1
62	0 crw-rw-rw-	1 uucp	dialer	0x3e Dec 21 15:45	/dev/cua1.init
63	0 crw-rw-rw-	1 uucp	dialer	0x3f Dec 21 15:45	/dev/cua1.lock
64	0 crw-----	1 root	tty	0x40 Dec 22 15:59	/dev/tty0
65	0 crw-----	1 root	wheel	0x41 Dec 21 15:46	/dev/tty1
66	0 crw-----	1 root	wheel	0x42 Dec 21 15:46	/dev/tty2
67	0 crw-----	1 root	wheel	0x43 Dec 21 15:46	/dev/tty3
68	0 crw-----	1 root	wheel	0x44 Dec 21 15:46	/dev/tty4
69	0 crw-----	1 root	wheel	0x45 Dec 21 15:46	/dev/tty5
70	0 crw-----	1 root	wheel	0x46 Dec 21 15:46	/dev/tty6
71	0 crw-----	1 root	wheel	0x47 Dec 21 15:46	/dev/tty7
72	0 crw-----	1 root	wheel	0x48 Dec 21 15:45	/dev/tty8
73	0 crw-----	1 root	wheel	0x49 Dec 21 15:45	/dev/tty9
74	0 crw-----	1 root	wheel	0x4a Dec 21 15:45	/dev/ttya
75	0 crw-----	1 root	wheel	0x4b Dec 21 15:45	/dev/ttyb
76	0 crw-----	1 root	wheel	0x4c Dec 21 15:45	/dev/ttyc
77	0 crw-----	1 root	wheel	0x4d Dec 21 15:45	/dev/ttyd
78	0 crw-----	1 root	wheel	0x4e Dec 21 15:45	/dev/ttye
79	0 crw-----	1 root	wheel	0x4f Dec 21 15:45	/dev/ttyf
80	0 crw-----	1 root	wheel	0x50 Dec 21 15:45	/dev/consolectl
81	0 crw-----	1 root	wheel	0x51 Dec 21 15:45	/dev/mdctl
134	1 dr-xr-xr-x	2 root	wheel	512 Dec 21 15:45	/dev/usb
82	0 crw-----	1 root	operator	0x52 Dec 21 15:45	/dev/usb/0.1.0
89	0 crw-----	1 root	operator	0x59 Dec 21 15:45	/dev/usb/1.1.0

91	0 crw-----	1 root	operator	0x5b Dec 21 15:45 /dev/usb/2.1.0
93	0 crw-----	1 root	operator	0x5d Dec 21 15:45 /dev/usb/0.1.1
94	0 crw-----	1 root	operator	0x5e Dec 21 15:45 /dev/usb/1.1.1
95	0 crw-----	1 root	operator	0x5f Dec 21 15:45 /dev/usb/2.1.1
115	0 crw-----	1 root	operator	0x73 Dec 21 15:45 /dev/usb/1.2.0
117	0 crw-----	1 root	operator	0x75 Dec 21 15:45 /dev/usb/2.2.0
119	0 crw-----	1 root	operator	0x77 Dec 21 15:45 /dev/usb/1.2.1
120	0 crw-----	1 root	operator	0x78 Dec 21 15:45 /dev/usb/2.2.1
126	0 crw-----	1 root	operator	0x7e Dec 21 15:45 /dev/usb/0.4.0
128	0 crw-----	1 root	operator	0x80 Dec 21 15:45 /dev/usb/0.4.1
129	0 crw-----	1 root	operator	0x81 Dec 21 15:45 /dev/usb/0.4.2
110	0 crw-----	1 root	operator	0x6e Dec 22 15:57 /dev/usb/0.2.0
112	0 crw-----	1 root	operator	0x70 Dec 22 15:57 /dev/usb/0.2.1
113	0 crw-----	1 root	operator	0x71 Dec 22 15:57 /dev/usb/0.3.0
121	0 crw-----	1 root	operator	0x79 Dec 22 15:57 /dev/usb/0.3.1
83	0 lrwxr-xr-x	1 root	wheel	9 Dec 21 15:45 /dev/ugen0.1 ->
usb/0.1.0				
84	0 crw-----	1 root	wheel	0x54 Dec 21 15:45 /dev/ufssuspend
87	0 crw-r--r--	1 root	operator	0x57 Dec 21 15:45 /dev/usbctl
88	0 crw-----	1 root	operator	0x58 Dec 21 15:45 /dev/xpt0
90	0 lrwxr-xr-x	1 root	wheel	9 Dec 21 15:45 /dev/ugen1.1 ->
usb/1.1.0				
92	0 lrwxr-xr-x	1 root	wheel	9 Dec 21 15:45 /dev/ugen2.1 ->
usb/2.1.0				
96	0 cr--r--r--	1 root	wheel	0x60 Dec 21 15:45 /dev/devstat
97	0 crw-----	1 root	operator	0x61 Dec 21 15:45 /dev/pass0
98	0 crw-----	1 root	operator	0x62 Dec 21 15:45 /dev/pass1
99	0 crw-----	1 root	operator	0x63 Dec 21 15:45 /dev/ses0
100	0 crw-r-----	1 root	operator	0x64 Dec 21 15:45 /dev/da0
102	0 crw-r-----	1 root	operator	0x66 Dec 21 15:45 /dev/da0p1
103	0 crw-r-----	1 root	operator	0x67 Dec 22 00:45 /dev/da0p2
104	0 crw-r-----	1 root	operator	0x68 Dec 22 00:45 /dev/da0p3
136	1 dr-xr-xr-x	2 root	wheel	512 Dec 21 15:45 /dev/gptid
108	0 crw-r-----	1 root	operator	0x6c Dec 21 15:45 /dev/gptid/3d1f4370-
a415-11e5-b331-fcaa141b7eb3				
116	0 lrwxr-xr-x	1 root	wheel	9 Dec 21 15:45 /dev/ugen1.2 ->
usb/1.2.0				
118	0 lrwxr-xr-x	1 root	wheel	9 Dec 21 15:45 /dev/ugen2.2 ->
usb/2.2.0				
127	0 lrwxr-xr-x	1 root	wheel	9 Dec 21 15:45 /dev/ugen0.4 ->
usb/0.4.0				
130	0 crw-----	1 root	wheel	0x82 Dec 21 15:45 /dev/ukbd1
131	0 lrwxr-xr-x	1 root	wheel	5 Dec 21 15:45 /dev/kbd2 -> ukbd1
101	0 crw-r--r--	1 root	operator	0x65 Dec 21 15:45 /dev/ums0
111	0 lrwxr-xr-x	1 root	wheel	9 Dec 22 15:57 /dev/ugen0.2 ->
usb/0.2.0				
114	0 lrwxr-xr-x	1 root	wheel	9 Dec 22 15:57 /dev/ugen0.3 ->
usb/0.3.0				
122	0 crw-----	1 root	wheel	0x7a Dec 22 15:57 /dev/ukbd0
123	0 lrwxr-xr-x	1 root	wheel	5 Dec 22 15:57 /dev/kbd0 -> ukbd0

更新履歷

更新履歴

- 2015年12月22日 FreeBSD動作検証レポート2015年12月21日版作成

FreeBSD動作検証レポート

E120f-M / 10.1-RELEASE

対象ハードウェア

maker:NEC, product:Express5800/E120f-M
[N8100-2230Y], serial:4Z00107, version:FR1.2

対象OSバージョン

FreeBSD 10.1-RELEASE #0 r274401: Tue Nov 11
21:02:49 UTC 2014

2015年12月21日版

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