

AE_NO_ACPI_TABLES: Is BIOS Update the First Step?

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To: freebsd-questions@freebsd.org

Hi,

My boss just put a new server in our colo. It has a Tyan Thunder K8SR motherboard with 2 Opterons. When I boot an SMP kernel, dmesg.boot includes the following:

```
CPU: AMD Opteron(tm) Processor 246 (1991.88-MHz K8-class CPU)
```

```
Origin = "AuthenticAMD" Id = 0xf58 Stepping = 8
```

```
Features=0x78bfbff<FPU,VME,DE,PSE,TSC,MSR,PAE,MCE,CX8,APIC,SEP,MTRR,PGE,MCA,CMOV,PAT,PSE36,CLFLUSH,MMX,FXSR,SSE,SSE2>
```

```
AMD Features=0xe0500800<SYSCALL,NX,MMX+,LM,3DNow+,3DNow>
```

```
real memory = 2147483648 (2048 MB)
```

```
avail memory = 2061676544 (1966 MB)
```

```
ACPI-0159: *** Error: AcpiLoadTables: Could not get RSDP, AE_NO_ACPI_TABLES
```

```
ACPI-0213: *** Error: AcpiLoadTables: Could not load tables: AE_NO_ACPI_TABLES
```

```
ES
```

```
ACPI: table load failed: AE_NO_ACPI_TABLES
```

My searches have indicated that the most prevalent causes of this are ACPI not being enabled or an out-of-date BIOS. The motherboard manual indicates that ACPI is enabled by default, so should our next step be just to update the BIOS and hope for the best?

Is there a clever way to determine our BIOS version without physically accessing the server?

TIA!

freebsd-questions@freebsd.org mailing list

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