

## Efficient Power Management on Dell PowerEdge Servers with AMD Opteron Processors

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### Monitoring processor speed in Linux-based systems with `/proc/cpuinfo`

The following are example outputs from the `/proc/cpuinfo` command, which provides processor monitoring information for Linux-based systems.

#### System running at its fastest speed

```
processor      : 0
vendor_id     : AuthenticAMD
cpu family    : 15
model         : 65
model name    : Dual-Core AMD Opteron(tm) Processor 2210
stepping     : 2
cpu MHz       : 1800.617
cache size    : 1024 KB
physical id   : 0
siblings      : 2
core id       : 1
cpu cores     : 2
fdiv_bug     : no
hlt_bug      : no
f00f_bug     : no
coma_bug     : no
fpu          : yes
fpu_exception : yes
cpuid level   : 1
wp           : yes
flags         : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse
               sse2 ht syscall nx mmxext lm 3dnowext 3dnow pni
bogomips     : 3602.63
```

#### System running at its slowest speed

```
processor      : 0
vendor_id     : AuthenticAMD
cpu family    : 15
model         : 65
model name    : Dual-Core AMD Opteron(tm) Processor 2210
stepping     : 2
cpu MHz       : 1000.437
cache size    : 1024 KB
physical id   : 0
siblings      : 2
core id       : 1
cpu cores     : 2
fdiv_bug     : no
hlt_bug      : no
f00f_bug     : no
coma_bug     : no
fpu          : yes
fpu_exception : yes
cpuid level   : 1
wp           : yes
flags         : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36 clflush mmx fxsr sse
               sse2 ht syscall nx mmxext lm 3dnowext 3dnow pni
bogomips     : 2001.46
```