



How to disable one CPU



Contents



CLASSIFICATION: PUBLIC / REVISION: 01 / 02

A quality version of this page, approved on *7 October 2019*, was based off this revision.



1 How to see the number of active CPU

```
root@st:~# cat /proc/cpuinfo
processor       : 0
model name    : ARMv7 Processor rev 0 (v7l)
BogoMIPS     : 2387.14
Features     : swp half thumb fastmult vfp edsp neon vfpv3 tls
CPU implementer : 0x41
CPU architecture: 7
CPU variant   : 0x3
CPU part     : 0xc09
CPU revision  : 0

processor     : 1
model name    : ARMv7 Processor rev 0 (v7l)
BogoMIPS     : 2393.70
Features     : swp half thumb fastmult vfp edsp neon vfpv3 tls
CPU implementer : 0x41
CPU architecture: 7
CPU variant   : 0x3
CPU part     : 0xc09
CPU revision  : 0

Hardware     : STi SoC with Flattened Device Tree
Revision    : 0000
Serial      : 0000000000000000
```



2 How to disable a CPU

On this example we disable CPU1

```
root@st:~# echo 0 > /sys/devices/system/cpu/cpu1/online
CPU1: shutdown
root@st:~# cat /proc/cpuinfo
processor       : 0
model name     : ARMv7 Processor rev 0 (v7l)
BogoMIPS      : 2387.14
Features      : swp half thumb fastmult vfp edsp neon vfpv3 tls
CPU implementer : 0x41
CPU architecture: 7
CPU variant    : 0x3
CPU part       : 0xc09
CPU revision   : 0

Hardware       : STi SoC with Flattened Device Tree
Revision      : 0000
Serial        : 0000000000000000
```



3 How to enable a disabled CPU

On this example we enable CPU1

```
root@st:~# echo 1 > /sys/devices/system/cpu/cpu1/online  
CPU1: shutdown
```

Central processing unit