

NAME

pmccontrol - control hardware performance monitoring counters

SYNOPSIS

pmccontrol [-c *cpu* | -d *pmc* | -e *pmc*] ...

pmccontrol -l

pmccontrol -L

pmccontrol -s

DESCRIPTION

The **pmccontrol** utility controls the operation of the system's hardware performance monitoring counters.

OPTIONS

The **pmccontrol** utility processes options in command line order, so later options modify the effect of earlier ones. The following options are available:

-c *cpu* Subsequent enable and disable options affect the CPU denoted by argument *cpu*. The argument *cpu* is a number denoting a CPU in the system, or "*", denoting all unhalted CPUs in the system.

-d *pmc*

Disable PMC number *pmc* on the CPU specified by **-c**, preventing it from being used till subsequently re-enabled. The argument *pmc* is a number denoting a specific PMC, or "*" denoting all the PMCs on the specified CPU.

Only idle PMCs may be disabled.

-e *pmc*

Enable PMC number *pmc*, on the CPU specified by **-c**, allowing it to be used in the future. The argument *pmc* is a number denoting a specific PMC, or "*" denoting all the PMCs on the specified CPU. If PMC *pmc* is already enabled, this option has no effect.

-l List available hardware performance counters and their current disposition.

-L List available hardware performance counter classes and their supported event names.

-s Print driver statistics maintained by hwpmc(4).

EXAMPLES

To disable all PMCs on all CPUs, use the command:

```
pmccontrol -d*
```

To enable all PMCs on all CPUs, use:

```
pmccontrol -e*
```

To disable PMCs 0 and 1 on CPU 2, use:

```
pmccontrol -c2 -d0 -d1
```

To disable PMC 0 of CPU 0 only, and enable all other PMCS on all other CPUs, use:

```
pmccontrol -c* -e* -c0 -d0
```

DIAGNOSTICS

The **pmccontrol** utility exits 0 on success, and >0 if an error occurs.

SEE ALSO

pmc(3), pmclog(3), hwpmc(4), pmcstat(8), sysctl(8)

HISTORY

The **pmccontrol** utility first appeared in FreeBSD 6.0.

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