

core.txt

Supporting multiple CPU idle levels in kernel

cpuidle

General Information:

Various CPUs today support multiple idle levels that are differentiated by varying exit latencies and power consumption during idle. cpuidle is a generic in-kernel infrastructure that separates idle policy (governor) from idle mechanism (driver) and provides a standardized infrastructure to support independent development of governors and drivers.

cpuidle resides under drivers/cpuidle.

Boot options:

"cpuidle_sysfs_switch"

enables current_governor interface in /sys/devices/system/cpu/cpuidle/, which can be used to switch governors at run time. This boot option is meant for developer testing only. In normal usage, kernel picks the best governor based on governor ratings.

SEE ALSO: sysfs.txt in this directory.