NAME
sched_ule - ULE scheduler

SYNOPSIS
options SCHED_ULE

DESCRIPTION
The **sched_ule** scheduler provides a number of advanced scheduler features not present in sched_4bsd(4), the traditional system scheduler. These features address SMP and interactivity and include:

- Thread CPU affinity.
- CPU topology awareness, including for hyper-threading.
- Per-CPU run queues.
- Interactivity heuristics that detect interactive applications and schedules them preferentially under high load.

The following sysctls are relevant to the operation of **sched_ule**:

kern.sched.name
> This read-only sysctl reports the name of the active scheduler.

kern.sched.quantum
> This read-write sysctl reports or sets the length of the quantum (in micro-seconds) granted to a thread.

SEE ALSO
sched_4bsd(4), sysctl(8)

HISTORY
The **sched_ule** scheduler first appeared in FreeBSD 5.1.

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