

[ANNOUNCE][RFC] PlugSched-6.1 for 2.6.13

Source: <http://linux.derkeiler.com/Mailing-Lists/Kernel/2005-08/7786.html>

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This version contains a modified `spa_ws` scheduler with a more persistent bonus mechanism. Although the "bonus only at wake up" mechanism of the original worked well on the first systems it was tested on (an old SMP system and a 3GHz SMT system) subsequent tests on a 2GHz single processor system were disappointing. (Apart from a bug in the original implementation) the primary reason for this was that the X server was not always able to complete its work in the first time slice after waking and had to try and complete it without the benefit of the bonus which causes obvious delays when the system is loaded. The new mechanism is a simplification of the persistent interactive bonus mechanism in `zaphod`.

A patch for 2.6.13 is available at:

<<http://prdownloads.sourceforge.net/cpuse/plugsched-6.1-for-2.6.13.patch?download>>

Very Brief Documentation:

You can select a default scheduler at kernel build time. If you wish to boot with a scheduler other than the default it can be selected at boot time by adding:

```
cpusched=<scheduler>
```

to the boot command line where `<scheduler>` is one of: `ingosched`, `nicksched`, `staircase`, `spa_no_frills`, `spa_ws` or `zaphod`. If you don't change the default when you build the kernel the default scheduler will be `ingosched` (which is the normal scheduler).

The scheduler in force on a running system can be determined by the contents of:

```
/proc/scheduler
```

Control parameters for the scheduler can be read/set via files in:

```
/sys/cpusched/<scheduler>/
```

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"Learning, n. The kind of ignorance distinguishing the studious."

-- Ambrose Bierce

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