

## Maple troubles with SMP

**Source:** <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/questions/2004-10/1089.html>

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To: [freebsd-questions@freebsd.org](mailto:freebsd-questions@freebsd.org)

Hello,

I'm running FreeBSD 4.10-STABLE on a hyperthreaded i386 processor. My kernel has SMP enabled, and with `sysctl machdep.hlt_logical_cpus=0`, `top` shows two logical cpu's up and running. Works fine.

Now I have some weird experiences running Maple 9.5 (with Linux emulation). When `sysctl machdep.hlt_logical_cpus` is set to 0, Maple won't start. I get the splash screen, but it hangs forever (`top` shows a java process eating all cpu time). It takes a `kill -9` to stop it.

When `machdep.hlt_logical_cpus` is set to 1 (single cpu), Maple starts fine, I can enter commands and everything works ok (except the help function, it crashes very often). When I set the `sysctl` back to 0, Maple gets very unstable when I enter further commands. Sometimes it hangs (without any cpu action like before), sometimes it crashes, very unpredictable behaviour really.

Does anyone have any clue about what is happening? And about who is to blame, FreeBSD's SMP code, Maple, or maybe the Linux emulation code?

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