

# kwsapd chewing up all CPU

**Source:** <http://linux.derkeiler.com/Mailing-Lists/RedHat/2004-04/1070.html>

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To: redhat-list@redhat.com

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I have a redhat 9 server that seems to have kswapd chew up all the CPU and eventually lock up the system. From what I can tell there is still lots of memory free and the Server is not all that busy when it happens:

```
21:43:43 up 63 days, 18:24, 0 users, load average: 7.85, 5.35, 4.17
82 processes: 81 sleeping, 1 running, 0 zombie, 0 stopped
CPU0 states: 2.0% user 4.0% system 0.0% nice 0.0% iowait 93.0% idle
CPU1 states: 0.1% user 33.1% system 0.0% nice 0.0% iowait 65.0% idle
Mem: 1288752k av, 1066068k used, 222684k free, 0k shrd, 5616k buff
      145832k actv, 3352k in_d, 20324k in_c
Swap: 2096220k av, 24440k used, 2071780k free 147976k cached
```

```
PID USER PRI NI SIZE RSS SHARE STAT %CPU %MEM TIME CPU COMMAND
  7 root 25 0 0 0 0 SW 35.4 0.0 195:53 1 kswapd
1793 bb 24 0 1124 1124 800 R 0.8 0.0 0:00 1 top
  1 root 15 0 116 84 56 S 0.0 0.0 1:01 0 init
  2 root RT 0 0 0 0 SW 0.0 0.0 0:00 0 migration/0
  3 root RT 0 0 0 0 SW 0.0 0.0 0:00 1 migration/1
```

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Can anyone help me in determining what the problem could be. The system is a dual 1.4 GHz Zeon Server with 1 GB RAM and 2 GB Swap. Kernel Level is 2.4.20-30.9smp.

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