

# Re: Initial 6.1 questions

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*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/performance/2006-06/msg00021.html>

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  - *Date:* Tue, 13 Jun 2006 17:57:52 +0100 (BST)
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On Tue, 13 Jun 2006, Danial Thom wrote:

I didn't answer it because I don't know what output cpustat provides. What output does cpustat provide on DragonflyBSD?

Its a simple output such as:

```
CPU-0 state: 14.00% user, 0.00% nice, 2.00%
sys, 6.00% intr, 78.00% idle
CPU-1 state: 4.00% user, 0.00% nice, 17.00%
sys, 2.00% intr, 77.00% idle
```

Of course, hp-ux type output for top would be ideal:

```
Load averages: 0.27, 0.28, 0.28
203 processes: 186 sleeping, 17 running
Cpu states:
CPU LOAD USER NICE SYS IDLE BLOCK
SWAIT INTR SSYS
0 0.05 0.0% 0.0% 0.0% 100.0% 0.0%
0.0% 0.0% 0.0%
1 0.92 0.0% 0.0% 0.0% 100.0% 0.0%
0.0% 0.0% 0.0%
2 0.03 0.0% 0.0% 0.0% 100.0% 0.0%
0.0% 0.0% 0.0%
3 0.08 0.0% 0.0% 0.0% 100.0% 0.0%
0.0% 0.0% 0.0%
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avg 0.27 0.0% 0.0% 0.0% 100.0% 0.0%
0.0% 0.0% 0.0%
```

What is the plan for FreeBSD, as I don't see that top shows any distribution among cpus?

top displays some CPU information, especially with -S which shows you the level of activity for the idle

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thread on each CPU. The above looks useful, and should be fairly easy to add. I've been thinking about adding a few new pages to systat output:

- Kernel memory allocator stats, based on memstat/memtop (and similar to what vmstat -z and vmstat -m show).
- CPU statistics such as the above.

I think there are some patches floating around already that gather per-cpu cp\_time measurements, but Kris has commented to me that they reduce performance somewhat, so I'll have to investigate some. That may be a caching effect of some sort.

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