
Subject: Re: Where can we download the "vzstat" source code?

Posted by [gurtaj](#) on Thu, 11 Sep 2008 01:55:03 GMT

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Hello. I've found this message while looking for information about how to calculate the CPU usage percentage of a container (yeah... one more trying to do the same).

The fact is that I'm having some troubles, so I'd appreciate any help.

I started a container (# 109) and captured the following values:

VEID	user	nice	system	uptime	idle	strv	uptime	used	maxlat	totlat	numsched
109	9	0	30	225316	4494871181910	0	4494982391820	793267650	0	0	0

So, let's start with the calculations:

- if `jiffies_per_second = 1000` (as indicated by dev), the first uptime value equals 225.316 seconds.

Anyway, I was trying to match both uptime values, the one in jiffies and the one in cycles.

As far as I understand, the second value should be divided by `cycles_per_jiffy`:

CPU: Intel Core Duo T2450 @ 2.00 GHz

CPU MHz: 1995.115

$\text{cycles_per_jiffy} = 1995115 / 1000 = 1995.115$

(which seems pretty small compared with the one given by dev as example of his processor, which I guess it was a 1.86 GHz)

Now, if I divide the second uptime value by the previously obtained `cycles_per_jiffy`:

$\text{seconds} = \text{uptime} / \text{cycles_per_jiffy} = 4494982391820 / 1995.115 = 22527270349023.399653654$

... OK, the value starts similar, but they are quite different.

So... what I'm understanding wrong?

Thanks for the help!