Subject: Does 2.6.18 support/account io wait cpu time
Posted by rickb on Mon, 21 May 2007 12:01:19 GMT
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Hello. I have been upgrading my nodes from openvz 2.6.9 to 2.6.18. One of the major indicators of a nodes workload to me is the % of time spent in iowait over various time periods. I immediately noticed that 2.6.18 reported no iowait which I assumed was due to better fs caching, prioritization, per ve io fairness, etc. But, now I think that iowait is included in idle time. After running processes which undoubtedly introduce iowait (raid recovery, mkfs, bonnie++, etc) to a system, none is accounted.

Am I missing something, is this a bug?

sar, dstat, vmstat, etc all report 0% iowait (but I think theres some there!)

12:00:01 AM	CPU	%user	%nice	%system	%iowait	%idle	
12:10:01 AM	all	0.33	0.00	0.48	0.00	99.19	
12:20:01 AM	all	0.27	0.00	0.37	0.00	99.36	
12:30:01 AM	all	0.22	0.00	0.33	0.00	99.45	
12:40:01 AM	all	1.55	0.01	0.73	0.00	97.71	

Subject: Re: Does 2.6.18 support/account io wait cpu time
Posted by rickb on Tue, 22 May 2007 22:34:11 GMT
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Kir, dev, Vasily- can you give me your thoughts on this? Do you know if the 2.6.18 kernel records cpu accoutning differently and I need to update vmstat?

This is rather important to me, because now I feel like I do not know how much cpu idle time there really is (as it could all be iowait).

Thanks!
Rick

Subject: Re: Does 2.6.18 support/account io wait cpu time
Posted by Vasily Tarasov on Wed, 23 May 2007 08:10:48 GMT
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Hello Rick,

Sorry, I've somehow missed your message! I can approve that in current 2.6.18 OVZ kernel iowait statistic is broken, so I filled the bug report: http://bugzilla.openvz.org/show_bug.cgi?id=588

Thank you for the report,
Vasily