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Subject: Re: [-mm PATCH 0/9] Memory controller introduction (v6)  
Posted by [Dhaval Giani](#) on Fri, 17 Aug 2007 15:49:51 GMT  
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On Fri, Aug 17, 2007 at 02:12:28PM +0530, Balbir Singh wrote:  
Hi Andrew,

> The code was also tested on a power box with regular machine usage scenarios,  
> the config disabled and with a stress suite that touched all the memory  
> in the system and was limited in a container.

>  
> Dhaval ran several tests on v6 and gave his thumbs up to the controller  
> (a hard to achieve goal :-).  
>

I've been running v6 on x86 and there are a few things I've tried. Most  
of those results Balbir has already posted.

> Run kernbench stress  
> -----  
> Three simultaneously and with one inside a container of 800 MB.  
>

The idea here was to create pressure inside the container while having  
global pressure.

>  
> Kernbench results running within the container of 800 MB  
> -----

>  
> Thu Aug 16 22:34:59 IST 2007  
> 2.6.23-rc2-mm2-mem-v6  
> Average Half load -j 4 Run (std deviation):  
> Elapsed Time 466.548 (47.6014)  
> User Time 876.598 (10.5273)  
> System Time 223.136 (1.29247)  
> Percent CPU 237.2 (23.2744)  
> Context Switches 146351 (6539.91)  
> Sleeps 174003 (5031.94)  
>  
> Average Optimal load -j 32 Run (std deviation):  
> Elapsed Time 423.496 (60.625)  
> User Time 897.285 (23.0391)  
> System Time 228.836 (6.11205)  
> Percent CPU 257.1 (40.9022)  
> Context Switches 262134 (123397)  
> Sleeps 270815 (103597)  
>

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>
> Kernbench results running within the default container
> -----
>
> Thu Aug 16 22:34:33 IST 2007
> 2.6.23-rc2-mm2-mem-v6
> Average Half load -j 4 Run (std deviation):
> Elapsed Time 424.17 (3.45908)
> User Time 841.992 (5.40178)
> System Time 213.01 (0.706258)
> Percent CPU 248.2 (0.83666)
> Context Switches 134254 (9535.83)
> Sleeps 167359 (6858.45)
>
> Average Optimal load -j 32 Run (std deviation):
> Elapsed Time 407.092 (108.932)
> User Time 878.493 (38.6575)
> System Time 222.155 (9.77127)
> Percent CPU 278.4 (91.5826)
> Context Switches 253836 (127708)
> Sleeps 263760 (103468)
>
>
> Kernbench results running within the default container
> -----
>
> Thu Aug 16 22:34:52 IST 2007
> 2.6.23-rc2-mm2-mem-v6
> Average Half load -j 4 Run (std deviation):
> Elapsed Time 465.038 (48.5147)
> User Time 874.742 (5.86563)
> System Time 222.194 (0.561676)
> Percent CPU 237.2 (22.5211)
> Context Switches 144040 (7052.23)
> Sleeps 172130 (5608.73)
>
> Average Optimal load -j 32 Run (std deviation):
> Elapsed Time 426.25 (62.34)
> User Time 893.938 (20.6732)
> System Time 227.717 (5.87502)
> Percent CPU 255.6 (40.7163)
> Context Switches 259560 (122953)
> Sleeps 267402 (101801)
>

```

I've been running v6 for sometime and it has been stable (still not been able to break/crash it, whereas v4 was broken within 1 hour :-) )

Andrew, I feel these patches whould be included in mm so that it gets wider testing.

--

regards,  
Dhaval

I would like to change the world but they don't give me the source code!

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Containers mailing list  
Containers@lists.linux-foundation.org  
<https://lists.linux-foundation.org/mailman/listinfo/containers>

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