Subject: Re: Some observations from ploop testing
Posted by jjs - mainphrame on Sun, 25 Mar 2012 07:16:36 GMT
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Thanks for the update and the supplementary information!

Joe

On Sat, Mar 24, 2012 at 11:22 PM, Kirill Korotaev <dev@parallels.com> wrote:

> Exactly. It's fixed in next kernel version. Sorry for that.
>
> Btw, when comparing performance be aware that disk performance depends a
> lot on placement. Disk beginning is typically around 2x faster.
>
> Sent from my iPhonespam SPAMSPAM
>
> On 25.03.2012, at 0:21, "jjs - mainphrame" <jjs@mainphrame.com> wrote:
>
> I'm running slabtop every 30 seconds during a dbench run and the thing
> that is growing the fastest and taking the lion's share is biovec-256 - you
> can see it growing at 30 second intervals.
>
>   OBJS ACTIVE USE OBJ SIZE SLABS OBJ/SLAB CACHE SIZE NAME
>   88   58 65%   3.00K   44   2   352K biovec-2
>   134   96 71%   3.00K   67   2   536K biovec-2
>   152   100 65%   3.00K   76   2   608K biovec-2
>   112   74 66%   3.00K   56   2   448K biovec-2
>   140   94 67%   3.00K   70   2   560K biovec-2
>   74   56 75%   3.00K   37   2   296K biovec-2
>   144   102 70%   3.00K   72   2   576K biovec-2
>   114   82 71%   3.00K   57   2   456K biovec-2
>   154   116 75%   3.00K   77   2   616K biovec-2
>   80   60 75%   3.00K   40   2   320K biovec-2
>   164   122 74%   3.00K   82   2   656K biovec-2
>   152   114 75%   3.00K   76   2   608K biovec-2
>   70   46 65%   3.00K   35   2   280K biovec-2
>   1004 1004 100%   3.00K   502   2   4016K biovec-2
>   1952 1952 100%   3.00K   976   2   7808K biovec-2
>   2946 2946 100%   3.00K 1473   2   11784K biovec-2
>   3876 3876 100%   3.00K 1938   2   15504K biovec-2
>   4858 4858 100%   3.00K 2429   2   19432K biovec-2
>   5844 5844 100%   3.00K 2922   2   23376K biovec-2
>   6782 6782 100%   3.00K 3391   2   27128K biovec-2
>   7766 7766 100%   3.00K 3883   2   31064K biovec-2
>   8774 8774 100%   3.00K 4387   2   35096K biovec-2
>   9774 9774 100%   3.00K 4887   2   39096K biovec-2
> 10750 10750 100%   3.00K 5375   2   43000K biovec-2

```
> 11696 11696 100%    3.00K   5848      2   46784K biovec-2
> 12700 12700 100%    3.00K   6350      2   50800K biovec-2
> 13676 13676 100%    3.00K   6838      2   54704K biovec-2
> 14644 14644 100%    3.00K   7322      2   58576K biovec-2
> 15620 15620 100%    3.00K   7810      2   62480K biovec-2
> 16568 16568 100%    3.00K   8284      2   66272K biovec-2
> 17582 17582 100%    3.00K   8791      2   70328K biovec-2
> 18562 18562 100%    3.00K   9281      2   74248K biovec-2
> 19558 19558 100%    3.00K   9779      2   78232K biovec-2
> 20500 20500 100%    3.00K  10250      2   82000K biovec-2
> 21424 21424 100%    3.00K  10712      2   85696K biovec-2
> 22414 22414 100%    3.00K  11207      2   89656K biovec-2
> 23404 23404 100%    3.00K  11702      2   93616K biovec-2
> 25252 25252 100%    3.00K  12626      2  101008K biovec-2
> 27192 27192 100%    3.00K  13596      2  108768K biovec-2
> 29172 29172 100%    3.00K  14586      2  116688K biovec-2
> 31112 31112 100%    3.00K  15556      2  124448K biovec-2
> 33006 33006 100%    3.00K  16503      2  132024K biovec-2
> 34998 34926  99%    3.00K  17499      2  139992K biovec-2
> 36820 36820 100%    3.00K  18410      2  147280K biovec-2
> 38750 38750 100%    3.00K  19375      2  155000K biovec-2
> 40480 40480 100%    3.00K  20240      2  161920K biovec-2
> 42362 42362 100%    3.00K  21181      2  169448K biovec-2
> 44264 44264 100%    3.00K  22132      2  177056K biovec-2
> 46182 46182 100%    3.00K  23091      2  184728K biovec-2
> 48058 48058 100%    3.00K  24029      2  192232K biovec-2
> 49982 49974  99%    3.00K  24991      2  199928K biovec-2
> 51894 51894 100%    3.00K  25947      2  207576K biovec-2
> 53828 53808  99%    3.00K  26914      2  215312K biovec-2
> 55596 55596 100%    3.00K  27798      2  222384K biovec-2
> 57484 57484 100%    3.00K  28742      2  229936K biovec-2
> 59352 59352 100%    3.00K  29676      2  237408K biovec-2
> 61304 61286  99%    3.00K  30652      2  245216K biovec-2
>
> Joe
>
> On Sat, Mar 24, 2012 at 11:40 AM, Kirill Korotaev <dev@parallels.com>wrote:
>
>> Can you please report slabtop output? We've just fixed obe memory leak.
>> Thanks!
>>
>> Sent from my iPhonespam SPAMSPAM
>>
>> On 24.03.2012, at 21:57, "jjs - mainphrame" <jjs@mainphrame.com> wrote:
>>
>> > I've been creating simfs and ploop based containers and exercising them
>> in different ways. While the ploop-based containers are basically working,
>> in my testing a ploop-based CT seems to require more resources than an
```

>> equivalent simfs-based CT. On my modest 32 bit test rig with 1 GB RAM, I've
>> been running dbench on simfs based CTs and looking at performance with new
>> kernel versions. But when running dbench tests on a ploop based CT with the
>> same resources, it has not been able to finish because the machine runs out
>> of resources, performance slows to a crawl and even host processes are
>> killed off.
>> >
>> > I'll try to get some more memory for this machine for further testing.
>> >
>> > Regards,
>> >
>> > Joe
>> > <ATT00001.c>
>>
> <ATT00001.c>
>
>