## Subject: Re: [RFC][PATCH] another swap controller for cgroup Posted by vamamoto on Tue, 08 Apr 2008 03:29:37 GMT

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> YAMAMOTO Takashi wrote:
> > hi,
> >
> > i tried to reproduce the large swap cache issue, but no luck.
>> can you provide a little more detailed instruction?
> >
> This issue also happens on generic 2.6.25-rc3-mm1
> (with limitting only memory), so I think this issue is not
> related to your patch.
> I'm investigating this issue too.
> Below is my environment and how to reproduce.
>
> - System
> full virtualized xen guest based on RHEL5.1(x86_64).
    CPU: 2
    memory: 2GB
>
    swap: 1GB
  A config of the running kernel(2.6.25-rc3-mm1 with your patch)
  is attached.
> - how to reproduce
  - change swappines to 100
>
    echo 100 >/proc/sys/vm/swappiness
>
>
   - mount cgroup fs
>
>
    # mount -t cgroup -o memory,swap none /cgroup
>
>
   - make cgroup for test
>
>
    # mkdir /cgroup/02
>
    # echo -n 64M >/cgroup/02/memory.limit in bytes
>
    # echo -n `expr 128 \* 1024 \* 1024` >/cgroup/02/swap.limit in bytes
>
>
  - run test
>
>
    # echo $$ >/cgropu/02/tasks
>
    # while true; do make clean; make -j2; done
>
  In other terminals, I run some monitoring processes, top,
>
  "tail -f /var/log/messages", and displaying *.usage in bytes
  every seconds.
```

>

>

- > Thanks,
- > Daisuke Nishimura.

what i tried was essentially same.

for me, once vm\_swap\_full() got true, swap cache stopped growing as expected.

http://people.valinux.co.jp/~yamamoto/swap.png

it was taken by running while :;do swapon -s|tail -1;sleep 1;done > foo in an unlimited cgroup, and then plotted by gnuplot. plot "foo" u 4

as my system has 1GB swap configured, the vm\_swap\_full() threshold is around 500MB.

YAMAMOTO Takashi

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