## Subject: Re: [RFC/PATCH] cgroup swap subsystem Posted by Hirokazu Takahashi on Wed, 05 Mar 2008 21:51:53 GMT

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Hi,

```
>> #ifdef CONFIG CGROUP MEM CONT
> > +/*
>> + * A page cgroup page is associated with every page descriptor. The
>> + * page cgroup helps us identify information about the cgroup
> > + */
>> +struct page cgroup {
> > + struct list_head lru; /* per cgroup LRU list */
> > + struct page *page;
> > + struct mem_cgroup *mem_cgroup;
> > +#ifdef CONFIG_CGROUP_SWAP_LIMIT
>> + struct mm struct *pc mm;
> > +#endif
>> + atomic t ref cnt; /* Helpful when pages move b/w */
       /* mapped and cached states
> + int flags;
> > +};
> >
> As first impression, I don't like to increase size of this...but have no alternative
> idea.
```

If you really want to make the swap space subsystem and the memory subsystem work independently each other, you can possibly introduce a new data structure that binds pages in the swapcache and swap\_cgroup.

It would be enough since only a small part of the pages are in the swapcache.

Thanks, Hirokazu Takahashi.

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