

hi,

```
> > @@ -250,6 +256,69 @@ unsigned long mem_cgroup_isolate_pages(u
> > return nr_taken;
> > }
> >
> > +static int
> > +mem_cgroup_need_reclaim(struct mem_cgroup *mem)
> > +{
> > + struct res_counter * const cnt = &mem->res;
> > + int doreclaim;
> > + unsigned long flags;
> > +
> > + /* XXX should be in res_counter */
> > + /* XXX should not hardcode a watermark */
>
> We could add the following API to resource counters
>
> res_counter_set_low_watermark
> res_counter_set_high_watermark
> res_counter_below_low_watermark
> res_counter_above_high_watermark
>
> and add
>
> low_watermark
> high_watermark
>
> members to the resource group. We could push out data
> upto the low watermark from the cgroup.
```

it sounds fine to me.

```
> > +static void
> > +mem_cgroup_reclaim(struct work_struct *work)
> > +{
> > + struct mem_cgroup * const mem =
> > + container_of(work, struct mem_cgroup, reclaim_work);
> > + int batch_count = 128; /* XXX arbitrary */
> > +
> > + for (; batch_count > 0; batch_count--) {
> > + if (!mem_cgroup_need_reclaim(mem))
> > + break;
> > + /*
```

```
> > + * XXX try_to_free_foo is not a correct mechanism to
> > + * use here. eg. ALLOCSTALL counter
> > + * revisit later.
> > + */
> > + if (!try_to_free_mem_cgroup_pages(mem, GFP_KERNEL))
>
> We could make try_to_free_mem_cgroup_pages, batch aware and pass that
> in scan_control.
```

in the comment above, i meant that it might be better to introduce something like `balance_pgdat` rather than using `try_to_free_mem_cgroup_pages`. with the current design of cgroup lru lists, probably it doesn't matter much except statistics, tho.

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