
Subject: [RFC] memory controller : backgorund reclaim and avoid excessive locking
[0/5]

Posted by [KAMEZAWA Hiroyuki](#) on Thu, 14 Feb 2008 08:21:48 GMT

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Hi, these are patches on my stack, now.

I believe test is not enough. Maybe there is BUG.

Before updating patches, I'd like to hear guys' advice against my concept before going further.

TODO:

- test on NUMA (machine is not available in these days. but I will do)

This series includes 2 series of patches.

One is updated "back-ground reclaiming with high-low watermark".

One is for avoid locking.

Updated series.

[1/5] -- high-low watermark for resource counter.

[2/5] -- background reclaim with high-low watermark.

[3/5] -- throttle # of direct reclaim

This series tries to improve page reclaiming.

New ones.

[4/5] -- borrow resource for avoiding counter->lock

[5/5] -- bulk freeing page_cgroup

This series tries to reduce contention on counter->lock and mz->lru_lock.

This 2 are the top most contended lock in lock_stat.

Any commetns are welcome.

Regards,

-Kame

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