
Subject: [RFC][mm] [2/2] Simple stats for memory resource controller

Posted by [Balaji Rao](#) on Sat, 05 Apr 2008 18:10:02 GMT

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This patch implements trivial statistics for the memory resource controller.

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diff --git a/mm/memcontrol.c b/mm/memcontrol.c

index a860765..ca98b21 100644

--- a/mm/memcontrol.c

+++ b/mm/memcontrol.c

@@ -47,6 +47,8 @@ enum mem_cgroup_stat_index {
 */

MEM_CGROUP_STAT_CACHE, /* # of pages charged as cache */

MEM_CGROUP_STAT_RSS, /* # of pages charged as rss */

+ MEM_CGROUP_STAT_PGPIN_COUNT, /* # of pages paged in */

+ MEM_CGROUP_STAT_PGPGOUT_COUNT, /* # of pages paged out */

MEM_CGROUP_STAT_NSTATS,

};
@@ -198,6 +200,13 @@ static void mem_cgroup_charge_statistics(struct mem_cgroup *mem,
int flags,

__mem_cgroup_stat_add_safe(stat, MEM_CGROUP_STAT_CACHE, val);

else

__mem_cgroup_stat_add_safe(stat, MEM_CGROUP_STAT_RSS, val);

+

+ if (charge)

+ __mem_cgroup_stat_add_safe(stat,

+ MEM_CGROUP_STAT_PGPIN_COUNT, 1);

+ else

+ __mem_cgroup_stat_add_safe(stat,

+ MEM_CGROUP_STAT_PGPGOUT_COUNT, 1);

}

static struct mem_cgroup_per_zone *

@@ -897,6 +906,8 @@ static const struct mem_cgroup_stat_desc {
} mem_cgroup_stat_desc[] = {

[MEM_CGROUP_STAT_CACHE] = { "cache", PAGE_SIZE, },

[MEM_CGROUP_STAT_RSS] = { "rss", PAGE_SIZE, },

+ [MEM_CGROUP_STAT_PGPIN_COUNT] = { "pgpgin", 1, },

+ [MEM_CGROUP_STAT_PGPGOUT_COUNT] = { "pgpgout", 1, },

};

static int mem_control_stat_show(struct cgroup *cont, struct cftype *cft,

--

regards,
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Containers mailing list
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