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

Posted by [Balbir Singh](#) on Wed, 26 Mar 2008 18:54:42 GMT

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Balaji Rao wrote:

> This patch implements trivial statistics for the memory resource controller.

>

> Signed-off-by: Balaji Rao <balajirao@gmail.com>

> CC: Balbir Singh <balbir@linux.vnet.ibm.com>

> CC: Dhaval Giani <dhaval@linux.vnet.ibm.com>

>

>

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

> index eb681a6..84f3fe5 100644

> --- a/mm/memcontrol.c

> +++ b/mm/memcontrol.c

> @@ -45,6 +45,8 @@ 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_PGIN_COUNT, /* # of pages paged in */

> + MEM_CGROUP_STAT_PGOUT_COUNT, /* # of pages paged out */

>

> MEM_CGROUP_STAT_NSTATS,

> };

> @@ -196,6 +198,13 @@ 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_PGIN_COUNT, 1);

> + else

> + __mem_cgroup_stat_add_safe(stat,

> + MEM_CGROUP_STAT_PGOUT_COUNT, 1);

> }

>

> static struct mem_cgroup_per_zone *

> @@ -886,6 +895,8 @@ 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_PGIN_COUNT] = {"page_in_count", 1, },

> + [MEM_CGROUP_STAT_PGOUT_COUNT] = {"page_out_count", 1, },

> };

>

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

Looks simple and nice. Please see Paul's mail on the suggested name change as well

Acked-by: Balbir Singh <balbir@linux.vnet.ibm.com>

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Warm Regards,
Balbir Singh
Linux Technology Center
IBM, ISTL

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