
Subject: [PATCH v5 18/18] Add slab-specific documentation about the kmem controller

Posted by [Glauber Costa](#) on Fri, 19 Oct 2012 14:20:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

Signed-off-by: Glauber Costa <glommer@parallels.com>

CC: Christoph Lameter <cl@linux.com>

CC: Pekka Enberg <penberg@cs.helsinki.fi>

CC: Michal Hocko <mhocko@suse.cz>

CC: Kamezawa Hiroyuki <kamezawa.hiroyu@jp.fujitsu.com>

CC: Johannes Weiner <hannes@cmpxchg.org>

CC: Suleiman Souhlal <suleiman@google.com>

CC: Tejun Heo <tj@kernel.org>

Documentation/cgroups/memory.txt | 7 +++++++

1 file changed, 7 insertions(+)

diff --git a/Documentation/cgroups/memory.txt b/Documentation/cgroups/memory.txt

index 206853b..9d9938d 100644

--- a/Documentation/cgroups/memory.txt

+++ b/Documentation/cgroups/memory.txt

@ @ -301,6 +301,13 @ @ to trigger slab reclaim when those limits are reached.

kernel memory, we prevent new processes from being created when the kernel memory usage is too high.

+* slab pages: pages allocated by the SLAB or SLUB allocator are tracked. A copy
+of each kmem_cache is created everytime the cache is touched by the first time
+from inside the memcg. The creation is done lazily, so some objects can still be
+skipped while the cache is being created. All objects in a slab page should
+belong to the same memcg. This only fails to hold when a task is migrated to a
+different memcg during the page allocation by the cache.

+

* sockets memory pressure: some sockets protocols have memory pressure thresholds. The Memory Controller allows them to be controlled individually per cgroup, instead of globally.

--

1.7.11.7
