
Subject: [PATCH v3 00/16] slab accounting for memcg
Posted by [Glauber Costa](#) on Tue, 18 Sep 2012 14:11:54 GMT
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This is a followup to the previous kmem series. I divided them logically so it gets easier for reviewers. But I believe they are ready to be merged together (although we can do a two-pass merge if people would prefer)

Throwaway git tree found at:

`git://git.kernel.org/pub/scm/linux/kernel/git/glommer/memcg. git kmemcg-slab`

There are mostly bugfixes since last submission.

For a detailed explanation about this series, please refer to my previous post (Subj: [PATCH v3 00/13] kmem controller for memcg.)

Glauber Costa (16):

- slab/slub: struct memcg_params
- slub: use free_page instead of put_page for freeing kmalloc allocation
- slab: Ignore the cflgs bit in cache creation
- provide a common place for initcall processing in kmem_cache
- consider a memcg parameter in kmem_create_cache
- memcg: infrastructure to match an allocation to the right cache
- memcg: skip memcg kmem allocations in specified code regions
- slab: allow enable_cpu_cache to use preset values for its tunables
- sl[au]b: always get the cache from its page in kfree
- sl[au]b: Allocate objects from memcg cache
- memcg: destroy memcg caches
- memcg/sl[au]b Track all the memcg children of a kmem_cache.
- slab: slab-specific propagation changes.
- slub: slub-specific propagation changes.
- memcg/sl[au]b: shrink dead caches
- Add documentation about the kmem controller

Documentation/cgroups/memory.txt | 73 ++++++-
include/linux/memcontrol.h | 60 ++++++
include/linux/sched.h | 1 +
include/linux/slab.h | 23 +++
include/linux/slab_def.h | 4 +
include/linux/slub_def.h | 18 +-
init/Kconfig | 2 +-
mm/memcontrol.c | 403 ++++++
mm/slab.c | 70 ++++++
mm/slab.h | 72 ++++++
mm/slab_common.c | 85 ++++++--

mm/slob.c | 5 +
mm/slub.c | 54 +++++--
13 files changed, 829 insertions(+), 41 deletions(-)

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1.7.11.4
