

Hi, Andrew,

Here's version 7 of the memory controller (against 2.6.23-rc2-mm2). I was told "7" is a lucky number, so I am hopeful this version of the patchset will get merged ;)

The salient features of the patches are

- a. Provides *zero overhead* for non memory controller users
- b. Enable control of both RSS (mapped) and Page Cache (unmapped) pages
- c. The infrastructure allows easy addition of other types of memory to control
- d. Provides a double LRU: global memory pressure causes reclaim from the global LRU; a container on hitting a limit, reclaims from the per container LRU

The documentation accompanying this patch has more details on the design and usage.

Changelog since version 6

- 1. Port to 2.6.23-rc3-mm1
- 2. Add new documentation

Tested the patches (with config disabled) and kernbench, Imbench on an x86_64 box.

For more detailed test results, comments on usage and detailed changelog please see version 6 of the patches

<http://lwn.net/Articles/246140/>

series

mem-control-res-counters-infrastructure
mem-control-setup
mem-control-accounting-setup
mem-control-accounting
mem-control-task-migration
mem-control-lru-and-reclaim
mem-control-out-of-memory
mem-control-choose-rss-vs-rss-and-pagecache
mem-control-per-container-page-referenced
mem-control-documentation

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Warm Regards,
Balbir Singh
Linux Technology Center
IBM, ISTL

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