Subject: [PATCH] memory cgroup enhancements take 4 [0/8] intro
Posted by KAMEZAWA Hiroyuki on Wed, 31 Oct 2007 10:22:13 GMT
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Hi, this set is for enhancements for memory cgroup I have now.
Tested on x86_64 and passed some tests.
All are against 2.6.23-mm1 + previous memory cgroup bugfix patches.

Any comments are welcome.

Patch contents:

[1/8] .... fix zone handling in try_to_free_mem_cgroup_page
  This is bug fix.

[2/8] .... force_empty interface for dropping all account in empty cgroup
  enhancements for easy deleting empty cgroup which was used
   for memory control. Without this, deleting will fail
  in many case.

[3/8] .... remember "a page is charged as page cache"
  record as what a page is charged.

[4/8] .... remember "a page is on active list of cgroup or not"
  for future use. (can be skipped.)
  will be useful for reclaim routine enhance

[5/8] .... add status accounting function for memory cgroup
  infrastructure for accounting.
  will be used in memory.stat file

[6/8] .... add memory.stat file
  showing # of RSS and CACHEes by memory.stat file
  and other *memory specific* data in future.

[7/8] .... pre destroy handler
  add cgroup pre_destroy handler before calling destroy handler.

[8/8] .... implicit force_empty at rmdir()
  call force_empty in pre_destroy handler.
  This allows rmdir() to success always if cgroup is empty.

Reflected all comments against take3 and dropped zonestat.

Thanks,
-Kame

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