
Subject: [PATCH 0/1, v9] cgroup/freezer: add per freezer duty ratio control
Posted by [jacob.jun.pan](#) on Tue, 15 Feb 2011 22:09:09 GMT
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From: Jacob Pan <jacob.jun.pan@linux.intel.com>

Fixing subject in cover letter, should be v4 instead of v3

Changelog:

v9: - merged duty ratio related data structs

- removed toggling bit, replaced with freezer->state
- consolidated toggling mode cancellation function
- use spin lock to protect duty ratio parameter writes
- use second as period
- allow 0% and 100% frozen time, aligned behavior with freezer_write()

v8: - minor clean up

- v7: - use delayed workqueue instead of per cgroup kernel thread to manage toggling
- make freezer.state higher priority than duty ratio setting
 - small correction in documentation

v6: - remove check for duty ratio == 100 case

- v5: - improve error handling in duty ratio/ period writes
- fix the logic to avoid kthread creation when ratio and period are invalid.
 - 100% frozen is not permitted in duty ratio set up

- v4: - limit kthread creation only when valid duty ratio parameters are given.
- changed period back to milisecond
 - consolidated paramter write functions

v3: - added documentation

v2:

- use read_u64/write_u64 instead of string read/write
- use period in second instead of ms
- renamed duty_ratio to duty_ratio_pct, be more specific
- removed locking around period and duty_ratio reads

Jacob Pan (1):

cgroup/freezer: add per freezer duty ratio control

Documentation/cgroups/freezer-subsystem.txt | 23 ++++++
kernel/cgroup_freezer.c | 109 ++++++-----
2 files changed, 130 insertions(+), 2 deletions(-)

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