
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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