Subject: [PATCH 2/5] Fix minor bug in yield + add more debug o/p
Posted by Srivatsa Vaddagiri on Mon, 24 Sep 2007 16:29:41 GMT
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- Fix a minor bug in yield (seen for CONFIG_FAIR_GROUP_SCHED)
- Print nr_running and load information for cfs_rq in /proc/sched_debug
- Print &rq->cfs statistics as well (usefull for group scheduling)

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---
 kernel/sched_debug.c | 2 ++
 kernel/sched_fair.c | 3 ++-
 2 files changed, 4 insertions(+), 1 deletion(-)

Index: current/kernel/sched_debug.c
===
--- current.orig/kernel/sched_debug.c
+++ current/kernel/sched_debug.c
@@ -136,6 +136,8 @@ void print_cfs_rq(struct seq_file *m, in
    SPLIT_NS(spread0));
  SEQ_printf(m, " .%-30s: %ld\n", "spread0",
    cfs_rq->nr_sync_min_vruntime);
+ SEQ_printf(m, " .%-30s: %ld\n", "nr_running", cfs_rq->nr_running);
+ SEQ_printf(m, " .%-30s: %ld\n", "load", cfs_rq->load.weight);
 }

 static void print_cpu(struct seq_file *m, int cpu)
Index: current/kernel/sched_fair.c
===
--- current.orig/kernel/sched_fair.c
+++ current/kernel/sched_fair.c
@@ -726,7 +726,7 @@ static void dequeue_task_fair(struct rq
  */
 static void yield_task_fair(struct rq *rq)
 {
- struct cfs_rq *cfs_rq = &rq->cfs;
+ struct cfs_rq *cfs_rq = task_cfs_rq(rq->curr);
  struct rb_node **link = &cfs_rq->tasks_timeline.rb_node;
  struct sched_entity *rightmost, *se = &rq->curr->se;
  struct rb_node *parent;
@@ -1025,6 +1025,7 @@ static void print_cfs_stats(struct seq_f
 {
  struct cfs_rq *cfs_rq;

```
+ print_cfs_rq(m, cpu, &cpu_rq(cpu)->cfs);
  for_each_leaf_cfs_rq(cpu_rq(cpu), cfs_rq)
    print_cfs_rq(m, cpu, cfs_rq);
 }
```

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Regards,
vatsa

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