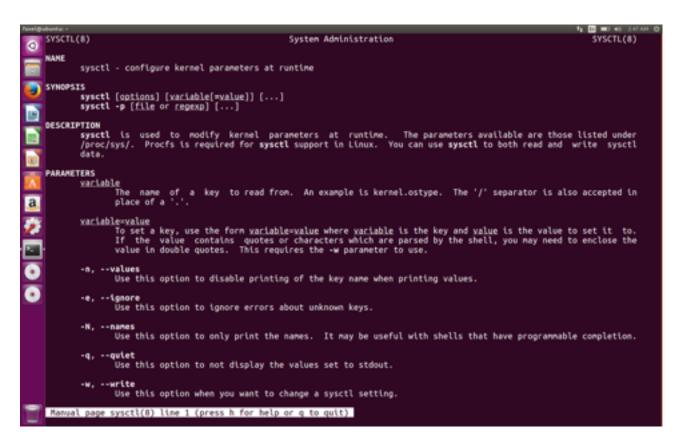
گام اول بخش ۱

۱-به دست آوردن برش های زمانی زمان بند:

https://doc.opensuse.org/documentation/leap/tuning/html/book.sle.tuning/cha.tuning.taskscheduler.html

با توجه به منبع بالا می توان از sysctl استفاده کرد . manpage برای این دستور به شکل زیر است:



محتوای /proc/sys/ به شکل زیر است

```
faxel@ubuntu:/proc/sys$ ls
abi debug dev fs kernel net vm
faxel@ubuntu:/proc/sys$
```

دستور زیر را وارد میکنیم:

sudo sysctl -A I grep "timeslice"

این دستور همه ی دایرکتوری های بالا را میگردد (به علت وجود A-) سپس هر خطی که در اَن timeslice نوشته شده باشد را حاب میکند:

```
Institutional process of the second of the s
```

همان طور که دیده میشود time slice برای RR به اندازه 25ms است.

دستور زیر اطلاعات بیشتری را نیز میدهد:

```
| Sudos synth: command not found | State | Sta
```

sched latency ns

Targeted preemption latency for CPU bound tasks. Increasing this variable increases a CPU bound task's timeslice. A task's timeslice is its weighted fair share of the scheduling period:

timeslice = scheduling period * (task's weight/total weight of tasks in the run queue)

The task's weight depends on the task's nice level and the scheduling policy. Minimum task weight for a SCHED_OTHER task is 15, corresponding to nice 19. The maximum task weight is 88761, corresponding to nice -20.

Timeslices become smaller as the load increases. When the number of runnable tasks exceeds sched_latency_ns/sched_min_granularity_ns, the slice becomes number_of_running_tasks * sched_min_granularity_ns. Prior to that, the slice is equal to sched_latency_ns.

This value also specifies the maximum amount of time during which a sleeping task is considered to be running for entitlement calculations. Increasing this variable increases the amount of time a waking task may consume before being preempted, thus increasing scheduler latency for CPU bound tasks. The default value is 6000000 (ns).

sched_child_runs_first

A freshly forked child runs before the parent continues execution. Setting this parameter to 1 is beneficial for an application in which the child performs an execution after fork. For example make -j<NO_CPUS> performs better when sched_child_runs_first is turned off. The default value is 0.

sched_time_avg_ms

This parameter sets the period over which the time spent running real-time tasks is averaged. That average assists CFS in making load-balancing decisions and gives an indication of how busy a CPU is with high-priority real-time tasks.

The optimal setting for this parameter is highly workload dependent and depends, among other things, on how frequently real-time tasks are running and for how long.