



mmtests benchmarking of cgroup code

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Plan

- (mmtests != memcg)
- mmtests = shellpacks + monitors
- rstat
 - benchmarks
 - static hierarchy * (cgroup + memcg)
 - css_rstat_updated callers
 - monitors
 - *.stat read latency, multithreaded
 - kernel reader css_rstat_flush
 - precision against reference
 - (writer paths, generic noise)
- mkdir & migration
 - benchmarks
 - sequential containers start
 - stationary start/stop process
 - monitors
 - mean latency
 - sustained throughput



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Questions

- Alternate approaches
 - selftest, LTP tests
 - bpftrace probes
 - perf-bench
- When to run it
 - lazily
 - CI?
- How to interpret it
 - tolerances
 - no regressions in any dimension (historical data maintenance)
 - compound & normalized invariants



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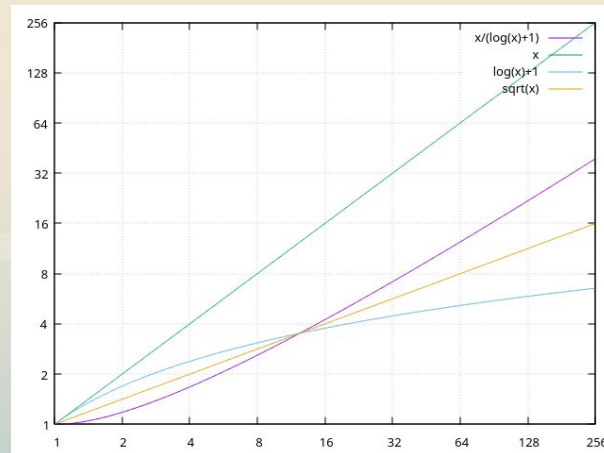
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References

- [LPC 2024: How is kernel getting along with many cgroups](#)
- [nr_cpus / \(log\(nr_cpus\) + 1\)](#)

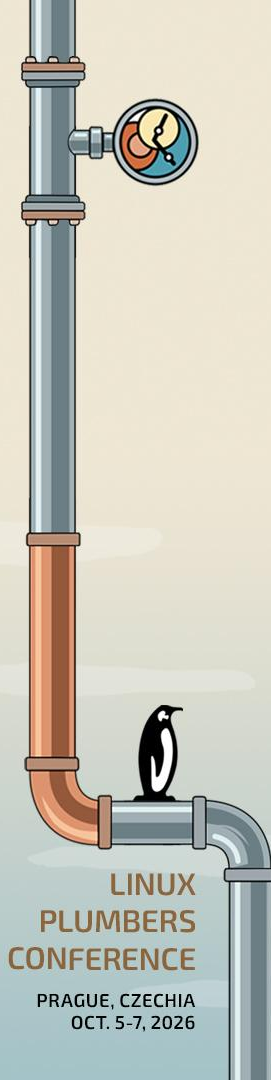


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Free discussion



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