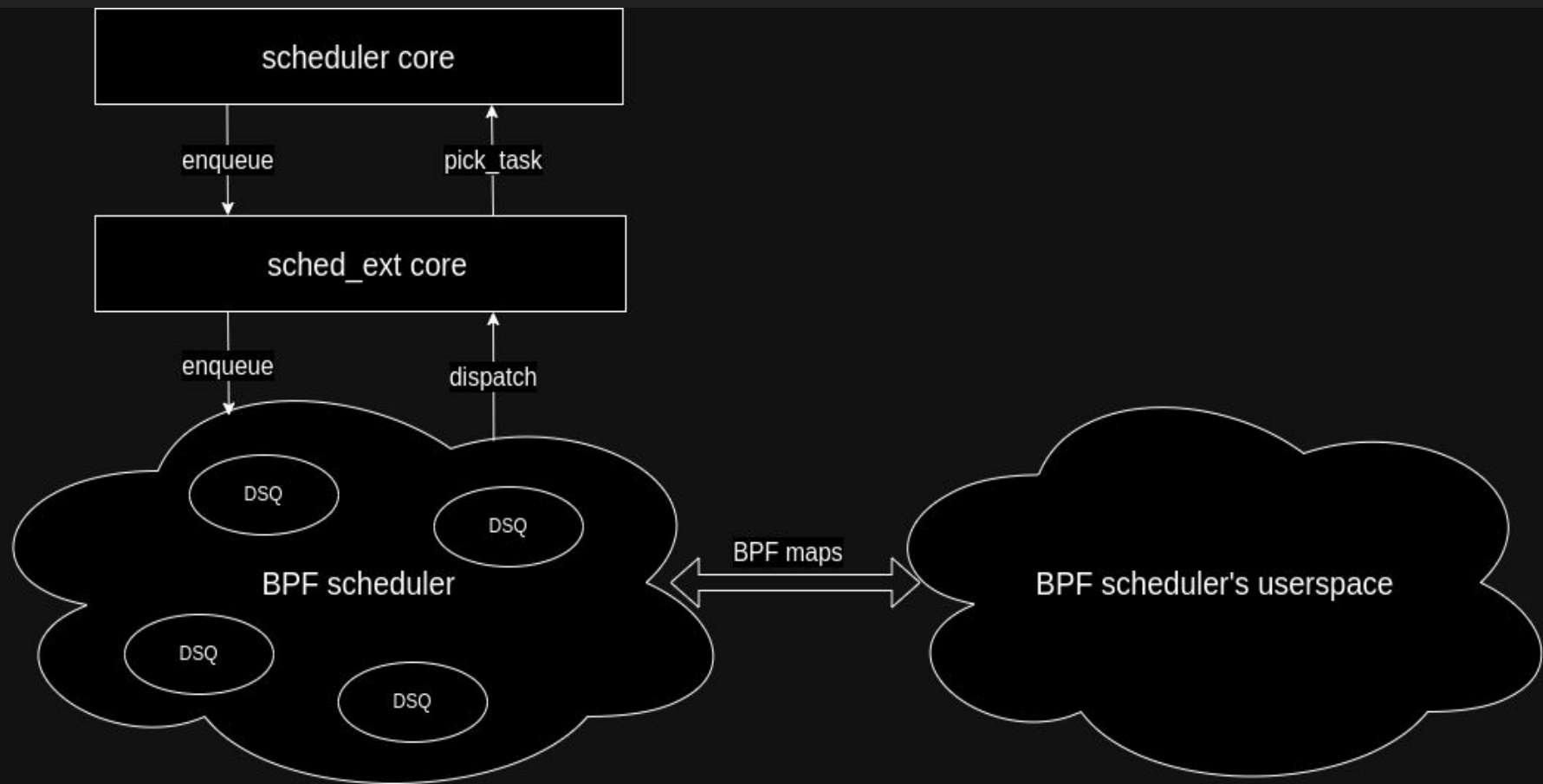


sched_ext status and plans



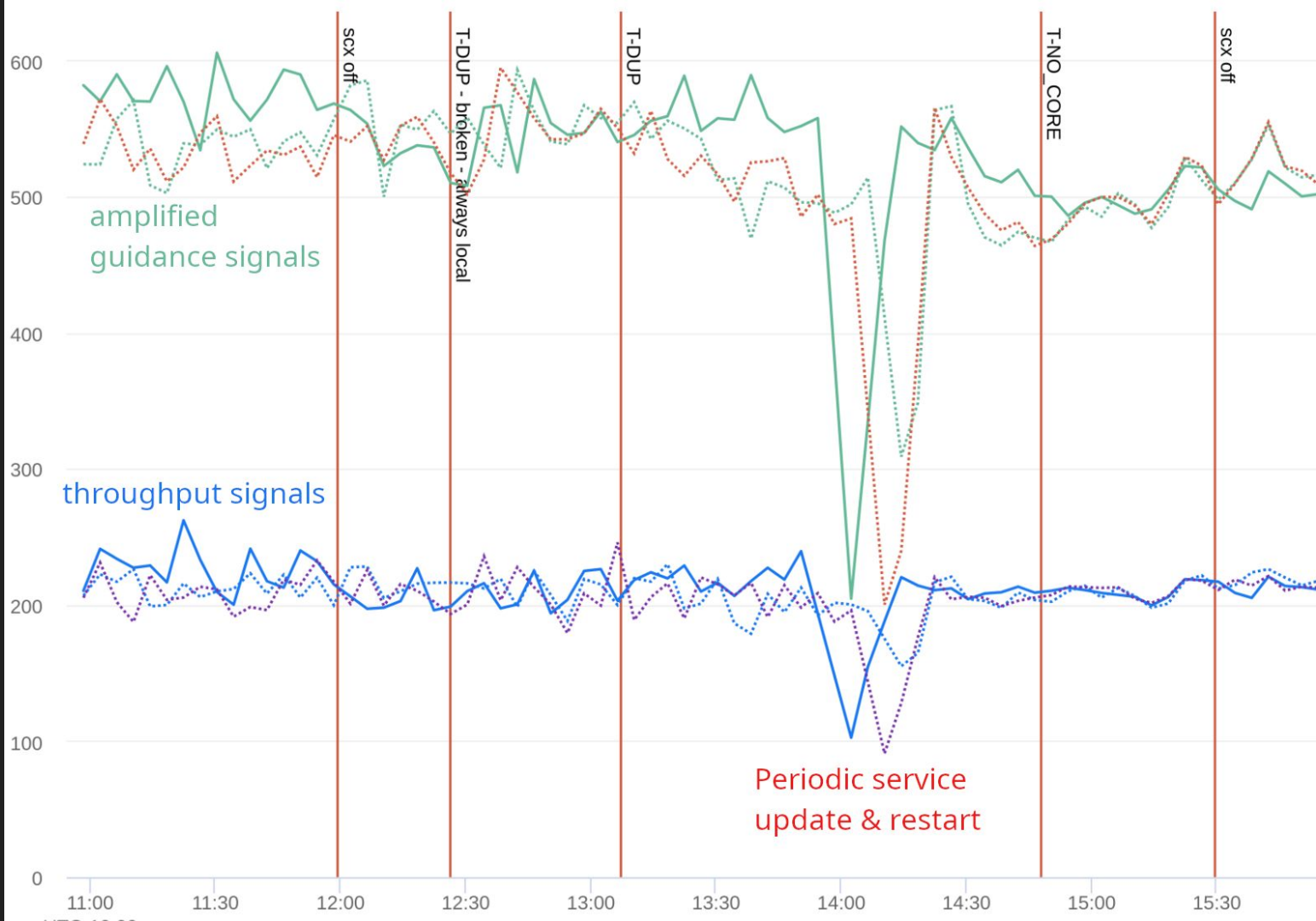
Kernel support

- https://git.kernel.org/pub/scm/linux/kernel/git/tj/sched_ext.git/
- Pending for merge for 6.12
 - Scheduling
 - CPU frequency scaling
 - CPU hotplug
 - Basic cgroup
 - Debug dump

SCX schedulers

- <https://github.com/sched-ext/scx>
- Still very early days

- Interactivity focused: `scx_lavd`, `scx_bpfland`
- Userspace scheduling: `scx_rustland`, `scx_rlfifo`
- For complex topologies: `scx_rusty`
- Customizable soft-partitioning: `scx_layered`



What we're doing now

- Keep building up and learning
- Accumulate practical wins
 - scx_lavd in steamdeck
 - scx_bpfland for laptops and desktops
 - scx_layered deployed in 1M+ machines with significant perf gains
- Build community
 - Distro support: cachyOS, arch, ubuntu, fedora, nix, openSUSE
 - <https://github.com/sched-ext/scx>
 - https://join.slack.com/t/schedextworkspace/shared_invite/zt-2gsxcctcj-BbjlwJE3_reIQYHHeIEu8w
 - Weekly office hour

Longer-term TODOs

- Composability
 - across timeline / load balancing / soft partitioning boundaries.
- Implement popular out-of-tree schedulers in sched_ext
- Stacking schedulers along the cgroup hierarchy

Questions?