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Sched MC

The scheduler is at the core of Linux performance. With different topologies and workloads, giving the user the best experience possible is challenging, from low latency to high throughput and from small power-constrained devices to HPC.

The following accomplishments have been made as a result of last year's micro-conference:

- Progress on proxy execution https://lore.kernel.org/lkml/20240224001153.2584030-1-jstultz@google.com/
- Progress on system pressure https://lore.kernel.org/lkml/170073688055.398.12687414937207369825.tip-bot2@tip-bot2/ https://lore.kernel.org/lkml/20240220145947.1107937-1-vincent.guittot@linaro.org/
- Progress in the DL server
- The EEVDF scheduler and improvements in latency nice
- Progress on adding tracepoints for IPI

Ideas of topics to be discussed include (but are not limited to):

- Improve responsiveness for CFS tasks
- The improvements on the EEVDF scheduler proposal
- Impact of new topology on CFS, including hybrid or heterogeneous system
- Taking into account task profile with IPCC or uclamp
- Locking improvements –e.g., proxy execution
- Improvements on SCHED_DEADLINE
- Tooling for debugging scheduling

It is fine if you have a new topic not on the list. People are encouraged to submit any topic related to real-time and scheduling.
The goal is to discuss open problems, preferably with patch set submissions already in discussion on LKML. The presentations are concise, and the central portion of the time should be given to the debate –thus, the importance of having an open and relevant problem with people in the community engaged in the solution.

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