Contribution ID: **304**   Type: **not specified**

Using DL servers for FIFO tasks starvation avoidance

Thursday 19 September 2024 17:46 (22 minutes)

FIFO tasks may starve other non-RT tasks, which is mitigated by RT throttling.

Deadline servers have been introduced and are still under development as an alternative to mitigate and avoid starvation of non-RT tasks.

There is, however, the chance that some other FIFO tasks will be starved and that could lead to system deadlock.

I would like to open the discussion about the possibility of using deadline servers as a mechanism to prevent such situations and what conditions and policies would be acceptable by the community for such an implementation.

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Session Classification: Real-time MC

Track Classification: Real-time MC