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User and "queue" caps in HTCondor

Thursday 3 April 2025 14:20 (15 minutes)

At Nikhef, we've based much of our "fairness" policy implementation around User, group, and job-class (e.g. queue) "caps", that is, setting upper limits on the number of simultaneous jobs (or used cores). One of the main use cases for such caps is to prevent one or two users from acquiring the whole cluster for days at a time, blocking all other usage.

When we started using HTCondor, there was no obvious way to implement these caps. We recently discovered a native HTCondor functionality that allowed us to implement these caps with minimal extra configuration. This talk will explain.

Desired slot length

15 min

Speaker release

Yes

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