

HARRY: Aggregate hardware usage metrics to optimise procurement of computing resources

Wednesday, 17 March 2021 10:00 (25 minutes)

Procuring new IT equipment for the CERN data centre requires optimizing the computing power and storage capacity while minimizing the costs. In order to achieve this, understanding how the existing hardware resources are used in production is key.

To that extent, leveraging traditional monitoring data seems to be the way to go.

This presentation will explain how we extract interesting signals from the hardware monitoring metrics and how we use them as a feedback loop when tendering for new hardware.

It will describe the underlying software project, named HARRY, based on open source tools.

Finally, it will show how we use HARRY as a long term trending tool for capacity planning purposes.

Speaker release

Yes

Desired slot length

15 minutes

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