



Contribution ID: 1

Type: **not specified**

HTCondor and containers for Batch and Interactive use: (Mostly) a success story

Tuesday, 24 September 2019 17:00 (25 minutes)

An HTC cluster using HTCondor has been set up at Bonn University in 2017/2018.

All infrastructure is fully puppetised, including the HTCondor configuration.

Both interactive and batch jobs are run inside Singularity containers, and users only have to choose the desired OS via a job parameter from an offered collection of container images without setting up or building a container themselves.

The container images are rebuilt daily and are provided by a CernVM filesystem (CVMFS) along with various software packages. The data to be analysed is stored on a CephFS file system.

This talk presents the successful migration from a “classic” PBS cluster setup with separate login nodes providing an environment similar to the batch environment, causing many regular admin headaches, to a modern and flexible, HTCondor-based system offering the users several different environments both for interactive and batch usage. Both the successes and the several pitfalls and issues which were encountered will be discussed.

Desired slot length

20

Speaker release

Yes

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Session Classification: Workshop presentations

Track Classification: HTCondor presentations and tutorials