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Prototyping an Analysis Facility at CERN

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In recent times, experiment analysis frameworks and physics data formats of the LHC experiments have been evolving in a direction that makes interactive analysis with short turnaround times much more feasible. In parallel, many sites have set up Analysis Facilities to provide users with tools and interfaces to computing and storage that are optimised for interactive analysis. At CERN we conducted detailed performance and scalability measurements using distributed analysis workloads to assess the readiness of the local computing and storage infrastructure, and more recently we launched a pilot for an analysis facility where real users will be able to run, in order to collect information about how CERN could provide such service. This prototype is based on well proven services, like SWAN, DASK, HTCondor and EOS. In this contribution we will show the results obtained so far.

Desired slot length

Speaker release

Yes

Authors: Dr SCIABÀ, Andrea (CERN); JONES, Ben (CERN); TEJEDOR SAAVEDRA, Enric (CERN); MCCANCE, Gavin (CERN); SCHULZ, Markus (CERN)

Presenter: Dr SCIABÀ, Andrea (CERN)

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