Contribution ID: **42** Type: **not specified**

Phasing Out GSI Authentication in the CMS Submission Infrastructure

Tuesday 11 October 2022 16:50 (20 minutes)

The CMS Computing Submission Infrastructure group manages and exploits a set of HTCondor pools to satisfy the experiment computing needs. The biggest of those pools, the so-called CMS Global Pool, currently aggregates nearly 400k CPU cores dynamically from pledged and opportunistic WLCG resources.
Historically, authentication among the diverse components of the infrastructure used the Grid Security Infrastructure (GSI), based on identities and X509 certificates. However, more modern authentication standards based on capabilities and tokens have emerged over the years. The CMS Submission Infrastructure group is in the process of phasing out the GSI part of its authentication layers in favor of IDTokens and Scitokens. In this contribution we will report on the current status of this migration, and our plans for the final GSI phase out.

Desired slot length

Speaker release

Yes

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Session Classification: Workshop Session

Track Classification: HTCondor user presentations