Contribution ID: **347**   Type: **Poster**

Data Management interfaces for CMS experiment: building an improved user experience

Tuesday 25 October 2022 16:10 (30 minutes)

After a successful adoption of Rucio following its inception in 2018 as the new data management system, a subsequent step is to advertise this to the users among other stakeholders. In this perspective, one of the objectives is to keep improving the tooling around Rucio. As Rucio introduces a new data management paradigm w.r.t the previous model, we begin by tackling the challenges arising from such a shift in the data model, while trying to alleviate the impact on users. Thus we focus on building a monitoring system capable of answering questions that do not naturally fit the current paradigm while also providing new features and services for the users to naturally push further the adoption and the benefits of the new implementation. In this regard, we present the process of development and evolution path of a set of new interfaces dedicated to the extension of the current monitoring infrastructure and the integration of a user-dedicated CLI capable of granting users an almost seamless transition and enhancement for their daily data management activity. We try to maintain minimum dependencies and ensure decoupling to these tools making them of potential use for other experiments. These will form a set of extensions to the Rucio API that is intended at automating a series of most frequent use cases. Eventually enhancing the user experience and lowering the barriers for newcomers.

Experiment context, if any

CMS

References

Significance

Primary author: CHAUHAN, Rahul (CERN)

Presenter: CHAUHAN, Rahul (CERN)

Session Classification: Poster session with coffee break