

RUCIO Data Management System: a Simple Archive or just a Distributed Storage System?

Thursday 27 February 2025 14:20 (20 minutes)

In this talk we will present the features of RUCIO DM.

This software, developed and maintained by CERN on which the storage of different national and international research projects is based, represents a technological solution capable of federating together different pools of storage distributed in various locations and, through the use of a centralized catalog, provides the most common access interfaces to this data as well as a series of management services to promote data redundancy and the possibility of connecting directly to Workload Management Systems for the automation of data processing.

We will show how it is possible to use RUCIO for a simple astronomical archive, but also how to use RUCIO directly as distributed storage, interfacing it to the capabilities of an external database to ensure greater performance in terms of reliability and availability.

Primary author: Dr GALLOZZI, Stefano (INAF/OAR)

Co-author: ZACHARIS, Georgios (INAF/OAR)

Presenter: ZACHARIS, Georgios (INAF/OAR)

Session Classification: Session 7 - Data Management Systems - part 2