

Workshop closing



Thank you

- Thank you for your participation in the workshop!
- Thanks to all the developers, contributors, testers, and users!
 - **Rucio would simply not be possible without you!**
- Unfortunately this still had to be a virtual workshop
 - Thanks to the program committee for organizing an excellent workshop!
 - Hopefully we can meet in person next year!
 - Rucio Coding Camp(s)
 - 5th Rucio Community Workshop!
- We are interested in hearing your feedback about the workshop
 - Balance between community talks / on-topic sessions / panels?
 - Enough time for discussions?
 - Did the panel format work?
 - rucio-workshop-2021-pc@cern.ch



Agenda

- Keynote “Pipe Dreams (and Nightmares)”
- 27 community presentations
- 3 panels
 - Rucio in a non-grid environment
 - Astronomy & Metadata
 - Transfer & Storage
- 3 topical sessions
 - WFMS
 - Astronomy
 - Long tail of science

All talk recordings will be available on Indico from tomorrow (Some already are)



Panel - Rucio in a non-grid world

- Two major possibilities
 - **1. Bring the grid-tools**
 - Complexity of the architecture
 - Single-click deployment/configuration/integration
 - Packaging for a multitude of systems
 - **2. Make our software compatible**
 - Large development efforts
 - Potentially a wild goose chase
- How to quickly make available some storage as an RSE?
- Support for personal user cloud storage
- Support for Windows (e.g., integrated IIS, Windows server shares, ...)
- **Absolutely needed:** Data management / Rucio for newbies document



Panel - Astronomy & Metadata

- Do we mean the same thing by Metadata in Astronomy and in HEP
 - In Astronomy, the use of public data products, with or without custom (planned) data products is quite different to a typical HEP use case
 - "The sky doesn't change" (well, not quite true, lots of things going "bang", but yes value is added by comparing astronomy data looking at same object at different time / different frequency / as seen with different telescope
 - So, yes and no - we should pay careful attention to which astro metadata types are needed for **data management** / **data discovery** / **data analysis**, as three different regimes
- Interplay between filesystem / hierarchical structures and rucio transfers
 - Tarballs..., component file amendments, can Rucio do magic?
- Proprietary data / data management and permissions lifecycles
- On-boarding non-HEP storage sites has some barriers - lots of (HEP) ecosystem knowledge and loads more queries that we didn't get to.



Panel - Storage & Transfer

- Tokens
 - Lots of progress was done in the last years, lots of work is still ahead of us
 - Most solutions are out there, we need to find the right way to bring them to our infrastructure
 - Clear directives is needed from AuthZ experts
 - Capabilities vs. identity
 - Need to move from fat-tokens to fine-grained auth workflows
 - What does it mean for Rucio to be the sole token issuer?
 - Security audit of our full-stack workflows will be needed
- Transfer protocols
 - WLCG moving to HTTP-TPC and root, what are others doing?
 - Should Rucio have more knowledge of protocol capabilities?



More information

Website



<http://rucio.cern.ch>

Documentation



<https://rucio.cern.ch/documentation>

Repository



<https://github.com/rucio/>

Images



<https://hub.docker.com/r/rucio/>

Online support



<https://rucio.slack.com/messages/#support/>

Developer contact



rucio-dev@cern.ch

Publications



<https://rucio.cern.ch/publications.html>

Twitter



<https://twitter.com/RucioData>