Rucio @ ESCAPE

Martin Barisits

on behalf of the Rucio team

RUCIO
SCIENTIFIC DATA MANAGEMENT

Project communication

- Very active [Slack](#) community (Developers, Admins, Users)
  - 300 members, 10k messages per month
  - → Community support model
- Weekly [Developers meeting](#)
  - **Community DevOps roundtable**
    - Operational issues, deployment topics, integration with external applications, etc.
  - **Developers roundtable**
    - Priority follow up on milestones for the next feature release
    - Other development topics
- Feature release planning meeting to set milestones for each feature release
- Yearly [workshops](#)
- Yearly [coding camps](#)

Release plan

- Feature releases in 2020
    - **1.22**   "Green Donkey"   **February 2020**
    - **1.23 LTS**   "The Incredible Donkey"   **June 2020**
    - **1.24**   "Aquadonkey"   **November 2020**
- Feature releases in 2021
    - **1.25**   "Rat-Donkey"   **February 2021**
    - **1.26 LTS**   "Donkey League of La Mancha" **June 2021**
    - **1.27**   "Batdonkey v Superdonkey"   **November 2021**
- Patch releases within a release line every 2 weeks
- Long Term Support releases maintained with security/critical fixes for 2 years

Project organisation

- Rucio consists of 29 [components](#) (Vertical/horizontal slices through the architecture)
    - 1-3 persons responsible for the maintenance and development of a component
    - Point of contact in case of issues, coordinating development effort and contributions from the community
- Rucio is a community project; objective is to foster long-term community involvement not only one-off contributions → formally include other communities in the development and evolution of the project
    - Personpower, expertise, community "buy-in"
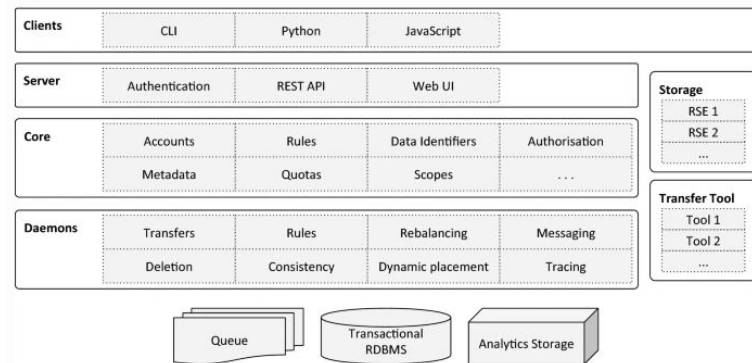
Contributions in 2020

- 30 different contributors
  - Mixture between very active and one-off contributors
- Lines of Code added
  - ATLAS ~35k LOC
  - Non-ATLAS ~19k LOC
  - Disclaimer: LOC not the best indicator in terms of feature-impact and effort, but still gives an insight of community involvement
- 131 github forks
- 39 people part of the github team (Repository permissions)

⊙ Watch 23   ☆ Star 119   ⅄ Fork 131

Documentation

- Migrating from readthedocs to a brand new docusaurus based documentation
  - https://rucio.cern.ch/documentation
- Simple markdown based editing in a separate repository
  - https://github.com/rucio/documentation
- Documentation contributions very welcome!

Community
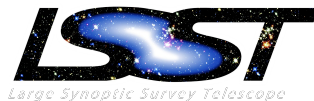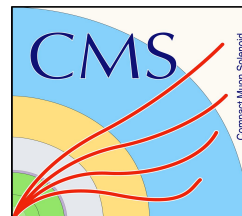
More information

Website		http://rucio.cern.ch
Documentation		https://rucio.readthedocs.io
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