



Edinburgh RUCIO developments

Current Status and Future Plans

What are we interested in at Edinburgh?



Want to contribute to RUCIO to make it easier for new communities to potentially deploy new instance.

This is targeting new communities such as LSST and DUNE who will benefit from doing storage management their way.
(i.e. Once they've outgrown a multi-VO environment)



Aim to contribute to core RUCIO development to add new functionality.

We would like to focus development effort to the RUCIO level as it benefits multiple experiments/users.

Current Status

- 2 people contributing to DUNE activity in the group
- Most work has been so-far targeted toward DUNE
- Teng, working on RUCIO monitoring for DUNE
- James, working on datastore support within core RUCIO
- Me, not much but will be interested in helping administrate

Future Plans

- +1 new FTE (Wenlong Yuan) joining us at end of August (possibly too late to join everyone at GridPP43)
- Initial plan is to work on improving metadata support within RUCIO.

This is not trying to make metadata work for everyone. Rather is about trying to more clearly separate user vs RUCIO metadata systems and to provide a more common API for external metadata catalogues using RUCIO.

Slightly DUNE focused development but benefits everyone.

Future Plans



Planning to contribute to RUCIO as part of storage development work within Edinburgh



1.5FTE of effort which can be focused toward RUCIO development with some additional best effort supporting this



Anything else?

Plan to support a development instance of RUCIO



As probably mentioned, this-morning, we plan to support a development instance of RUCIO for functionality testing.



Still some open questions:
(at the time of writing)



What is most useful to test with a 'live' RUCIO dev instance?

Can we use this to test/probe sites?

How do we make this setup as realistic as possible?

Areas where
there is potential
interest in
contributions to
RUCIO

Potentially contribute to improved object store support within RUCIO?

Quality of Service.
Different levels of data redundancy and how this is implemented within RUCIO.

Potentially make better use of caching within RUCIO?
(would this come under QOS work?)

RUCIO-UK
which
meetings
should we
be aware
of?

A short presentation at GridPP43
would probably be good.

RUCIO coding camp 15th-17th
October (CERN)

Any other dates?

| Anything
Else?



I THINK I COVERED
EVERYTHING?



IF SO, THANKS FOR
LISTENING 😊