

Rucio - S3-compatible access interface



IRIS-HEP Fellow Intro talk

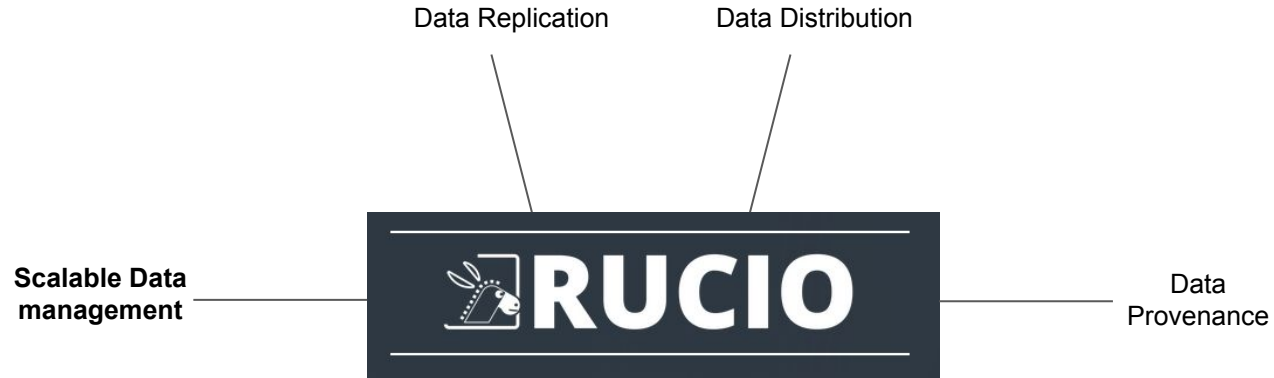
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What is Rucio?

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S3-compatible access interface

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S3 - Simple
Storage
Service



↓

Portable way to share some
experiment data!



S3

Imagined capabilities

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```
rucio s3 make-bucket user.lheinric:someuniqueusername
```

```
rucio s3 credentials > ~/.mc/config.json
```



External s3 clients

```
mc ls user.lheinric:someuniqueusername
```

```
mc cp file.root user.lheinric:someuniqueusername/file.root
```



Back to Rucio

```
rucio download user.lheinric:someuniqueusername/file.root
```

Progress and timeline

Weeks 1-3: Explore Rucio, MinIO's "mc" tool, S3 API. Prepare development environment.

Weeks 4-5: Implement basic data transfer capabilities between Rucio and S3.

Weeks 5-7: Integration testing, credentials extraction.

Weeks 7-10: Additional features: access sharing, quotas, ...

Weeks 10-12: close GitHub Issues, refine docs, prepare final presentation.



July 3 - September 22

**Thank you
for your
attention!**

