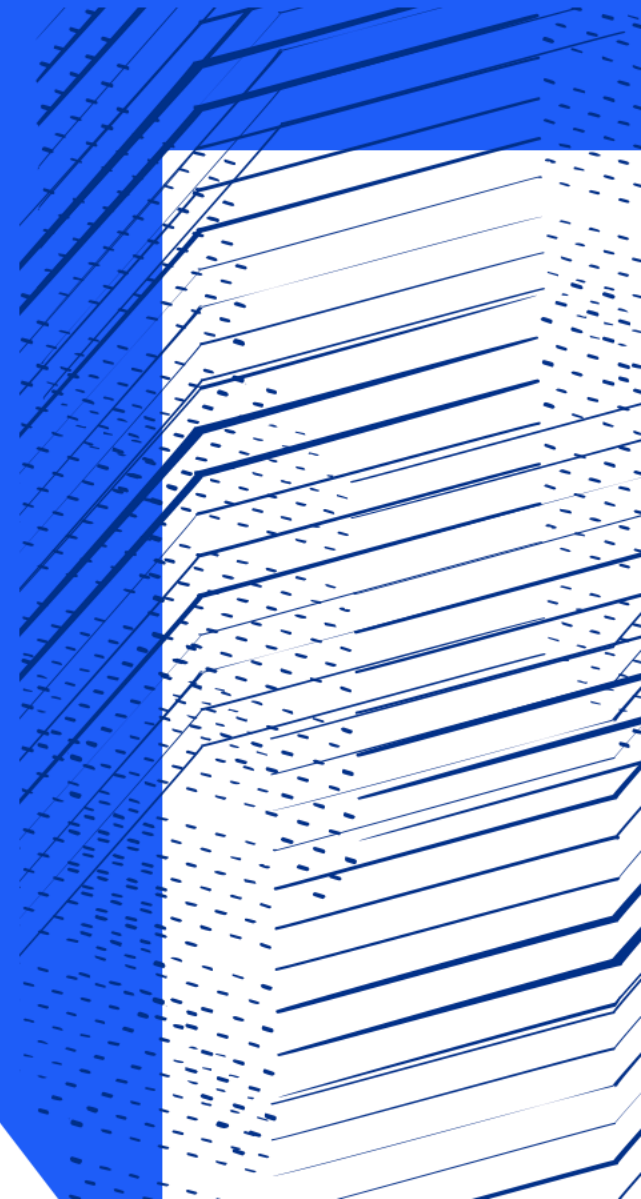




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Site update of FTS at RAL

Rose Cooper
rose.cooper@stfc.ac.uk



Overview

1 Overview of FTS

2 Current status

3 Changes to the use case of FTS at RAL

4 Future plans





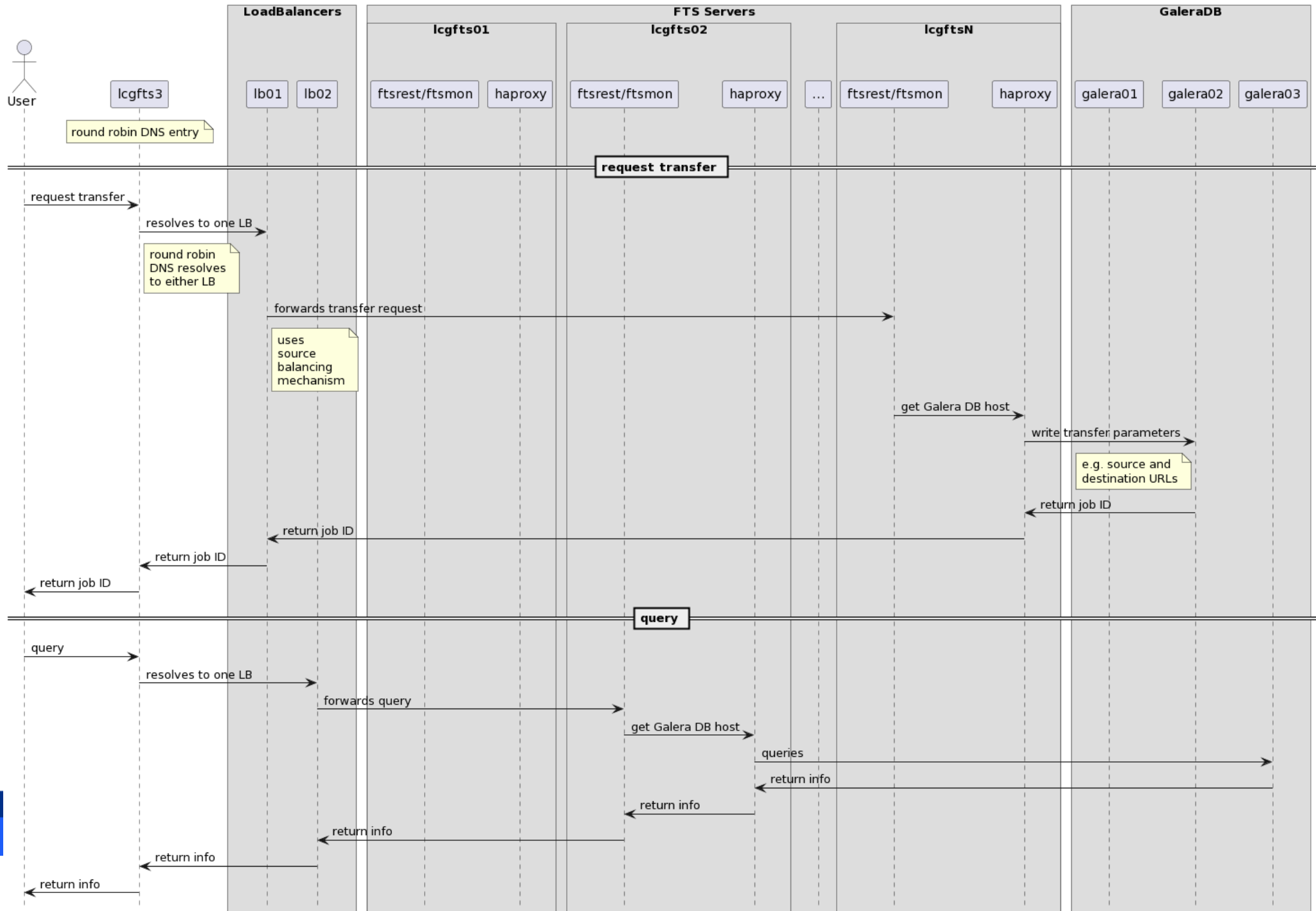
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Overview of FTS



Overview of FTS at RAL

- In the process of pivoting from being a Tier1 service to instead support other user communities
 - already being used by EGI
 - Beginning involvement with SKA
 - Plans to propose involvement with IRIS
- Currently running two configurations of the service in production
 - In the process of migrating the databases





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Current status



Production instances

- Currently running two production services
 - lcgfts3 – used by Tier1 experiments
 - fts3egi – used by EGI community
- In the process of planning the migration of the databases for FTS
 - lcgfts3 has databases run by the FTS team
 - fts3egi has databases run by the RAL database services team

Test and development instances

- In the process of deploying a new FTS instance to be used by SKA, currently still being configured but will be deployed soon to be tested
- Also still running a test instance (fts-test)
 - test upgrades and config changes before deploying to production
 - Users can test access and usability the service (authorisation, accessing storage endpoints, transfer rate, etc.)

FTS at RAL

- Upgraded to latest version of FTS in November 2022
- In the process of configuring and enabling IPv6 transfers on the production and test FTS instances
 - already enabled on the EGI instance as it was deployed last year.



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Planned changes to the service



SKA & UKSRC

- Starting to use FTS at RAL, will be one of our main users once running at full data taking capacity
- Still in initial stages set up stages :
 - networking still being established
 - FTS instance in the latter stages of deployment
- Once deployed can begin testing of transfer rates and any link requirements.

IRIS

- Plan to propose a use case for FTS within IRIS community
 - distributed community, currently using Rucio but not FTS as a separate service
 - Likely to involve moving a smaller volume of data than the likes of the Tier1 and SKA
 - Would be a good candidate for WebFTS use case

Token authentication

- EGI Check-in
 - In the process of integrating with EGI Check-in to begin testing
- IAM
 - Planning to integrate the SKA FTS instance with IAM
 - Also possible to authenticate EGI Check-in through IAM, so will investigate that as an option as well



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Future plans



Future plans

- Deploy SKA instance, begin testing transfers with it to get config right before scaling up to meet their need.
- Enable IPv6 on all production and test FTS instances
- Complete token integration
 - Planning to integrate EGI instance with EGI Check-in and SKA instance with the SKA-IAM.
- Rework architecture of service
 - migrating databases to new infrastructure
 - make the architecture of the FTS instances more consistent



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Thank you

Questions?



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