



Science and
Technology
Facilities Council

APEL development and INFRAEOSC, Discussion

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Proposed Innovation for INFRAEOSC

Supporting the growth in volume of accounting data with new use cases and communities.

- Research a system to store and display new types of accounting not already supported by the Accounting service - this could include more flexible ways of doing accounting (e.g. new benchmarks).
- Build a system that can serve bespoke accounting dashboards to different communities – development of work for IRIS.

Proposed Innovation for INFRAEOSC (cont.)

- Scale out the Repository through the use of database proxying and sharding – will require a certain amount of re-architecting.
- Hosted containerised accounting repositories to individual communities/regions to distribute processing load – more scalability.
- Enable less well-resourced communities to use the APEL accounting client by removing the need for a full standalone client database.

Best and Worst Cases?

Proposed Work

1. New types of accounting
2. Bespoke accounting dashboard system for different
3. Scaling out the Repository
4. Hosted containerised accounting repositories
5. Light weight client database option

EGI financial modelling

Best case: 1-5

Worst case: Everything except option for less well-resourced communities (5)

Other work

- Further production level integration with EGI Check-in is planned.
- The Accounting service must be compatible with the OIDC-based authentication solution that the WLCG community is moving towards.
- Bespoke accounting dashboard for IRIS (collaboration of STFC funded infrastructures) integrated with IRIS-IAM.