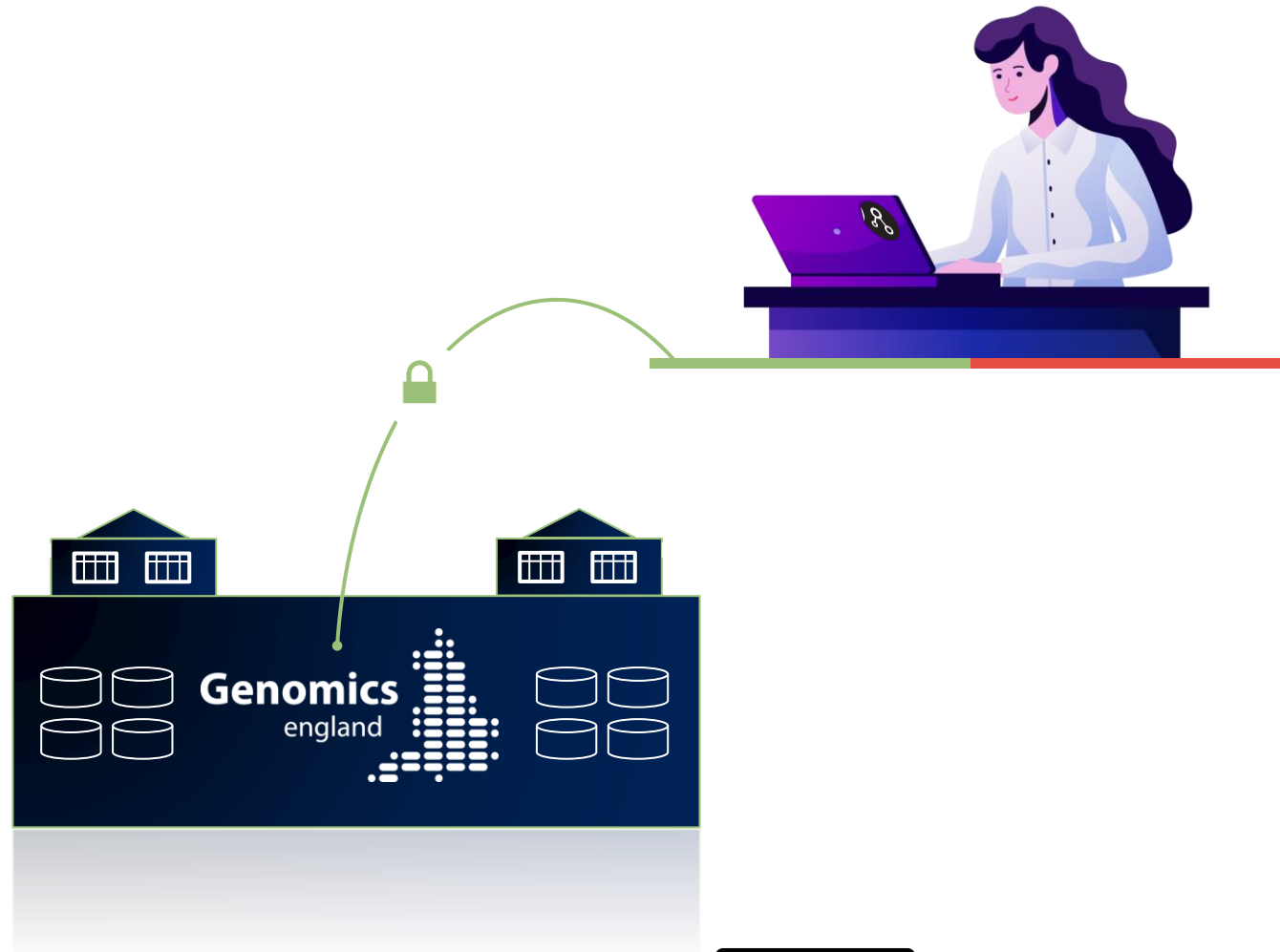


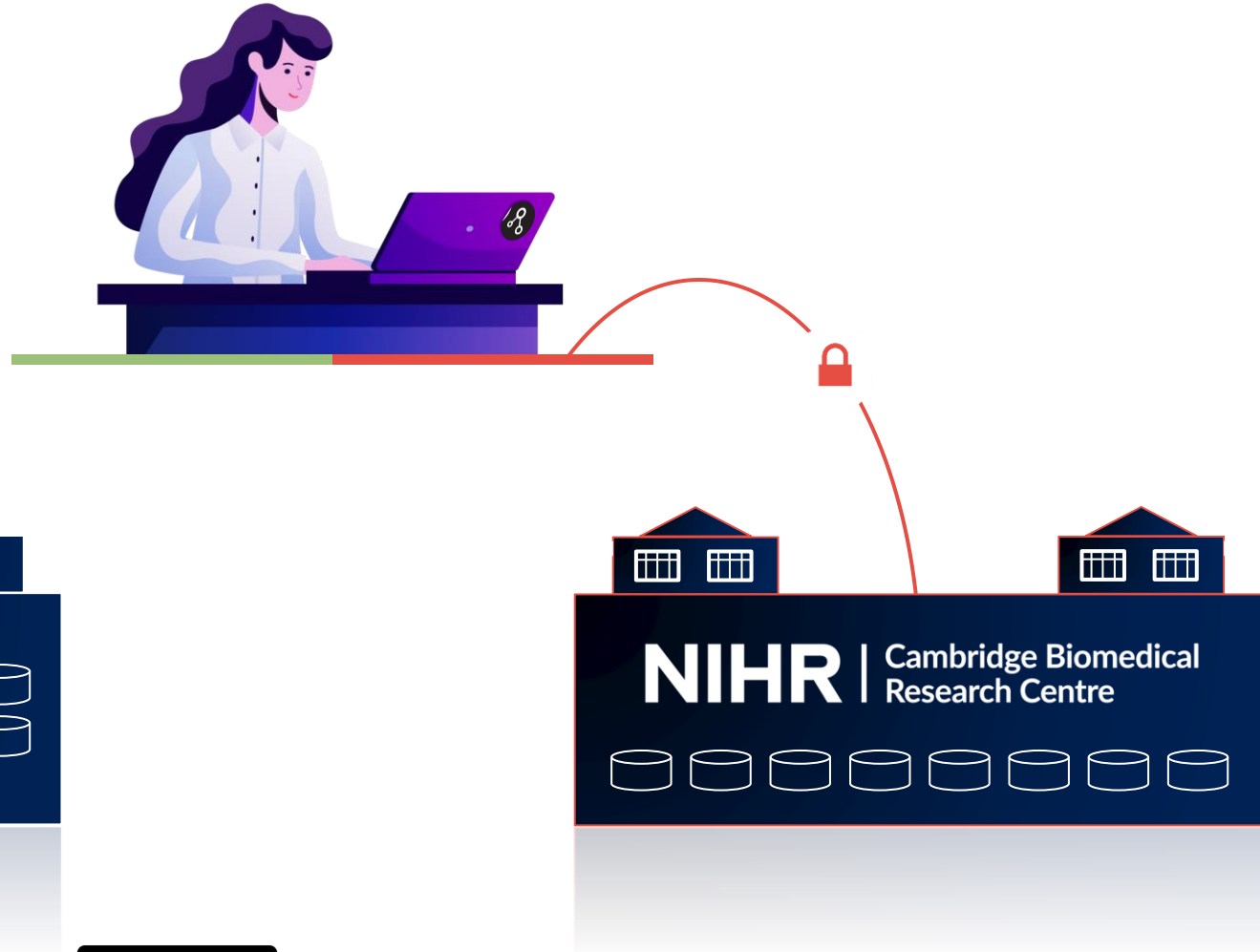
Multi-party trusted research environment federation: Establishing infrastructure for secure analysis across different clinical-genomic datasets

Prof Serena Nik-Zainal
Dr Pablo Prieto

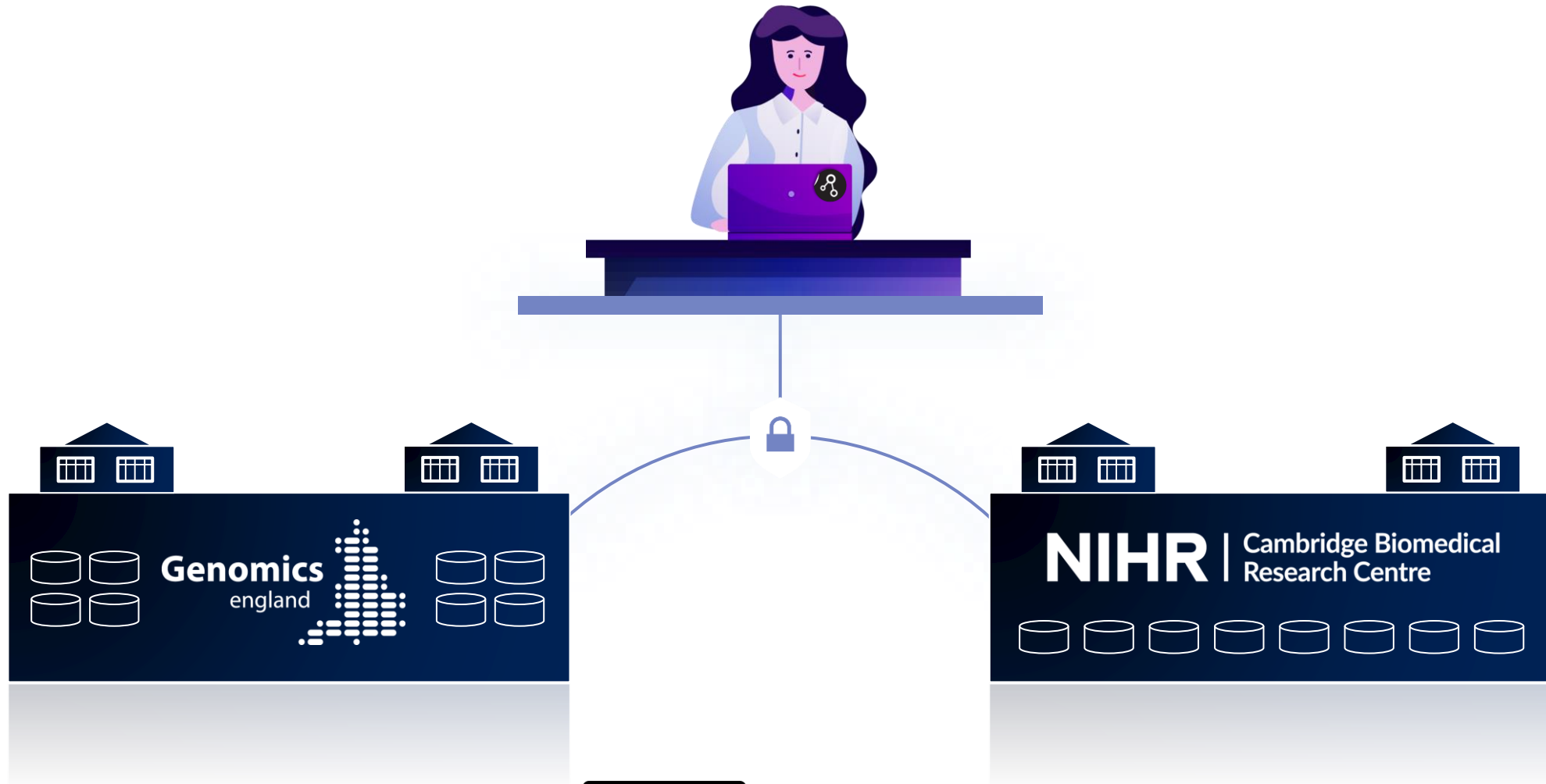
The problem..



The problem..



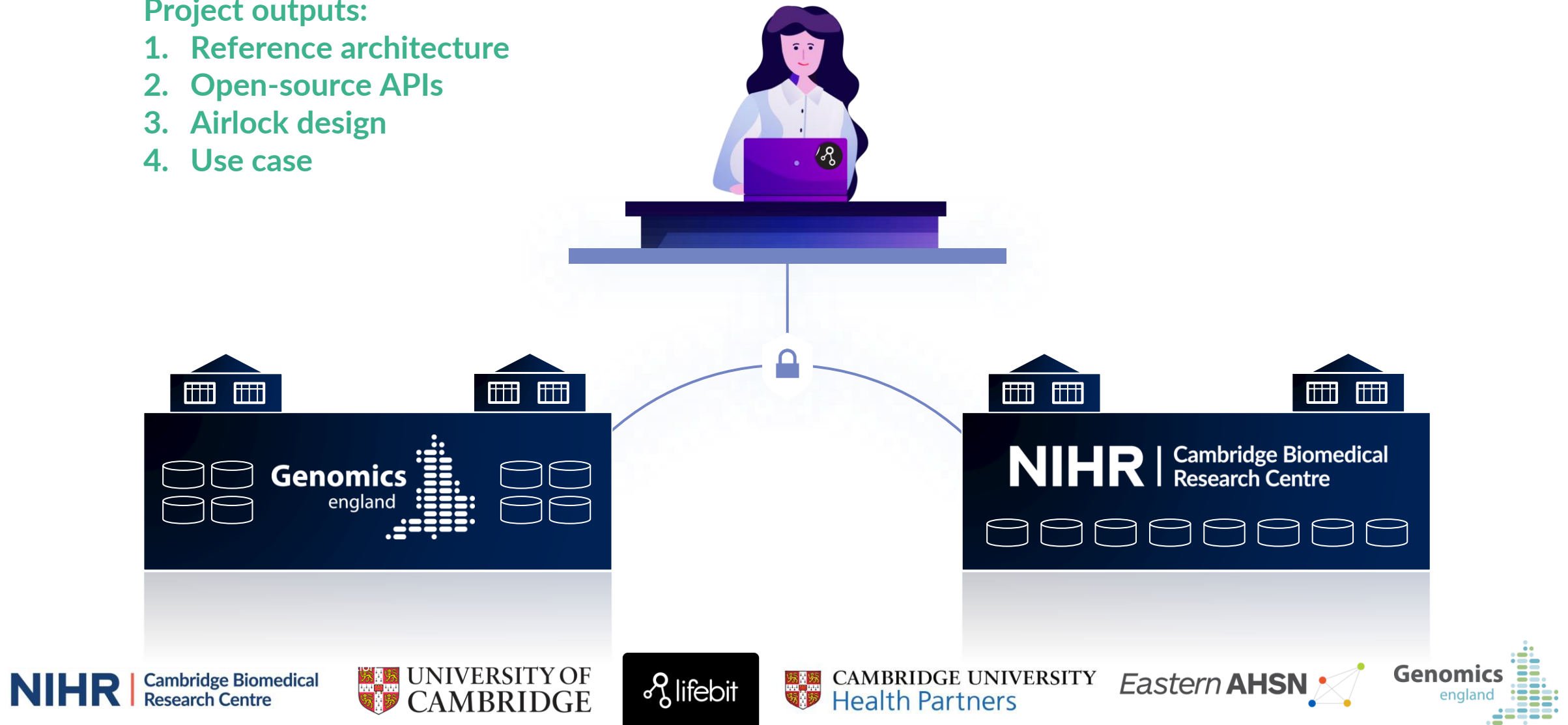
The solution



The solution

Project outputs:

1. Reference architecture
2. Open-source APIs
3. Airlock design
4. Use case



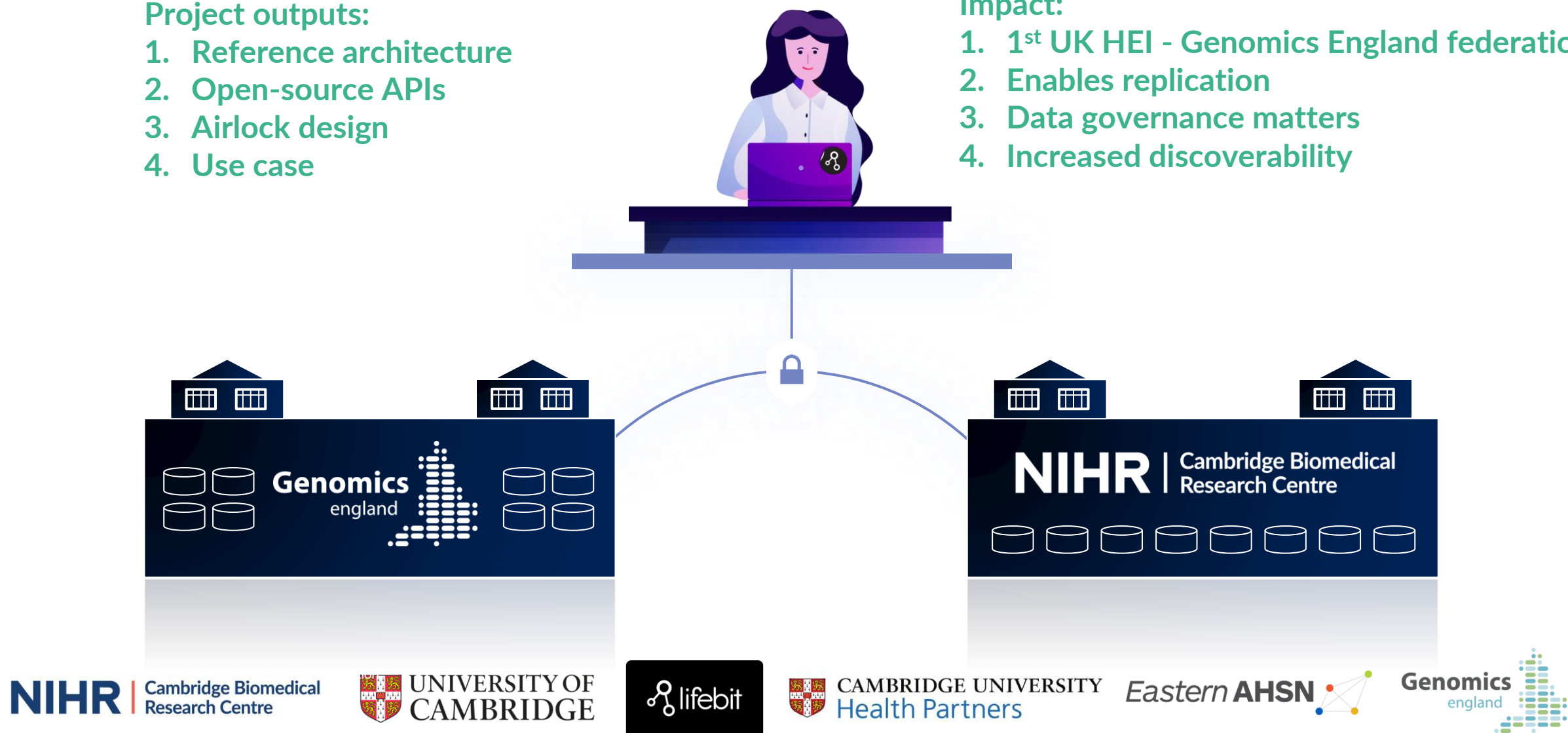
The solution

Project outputs:

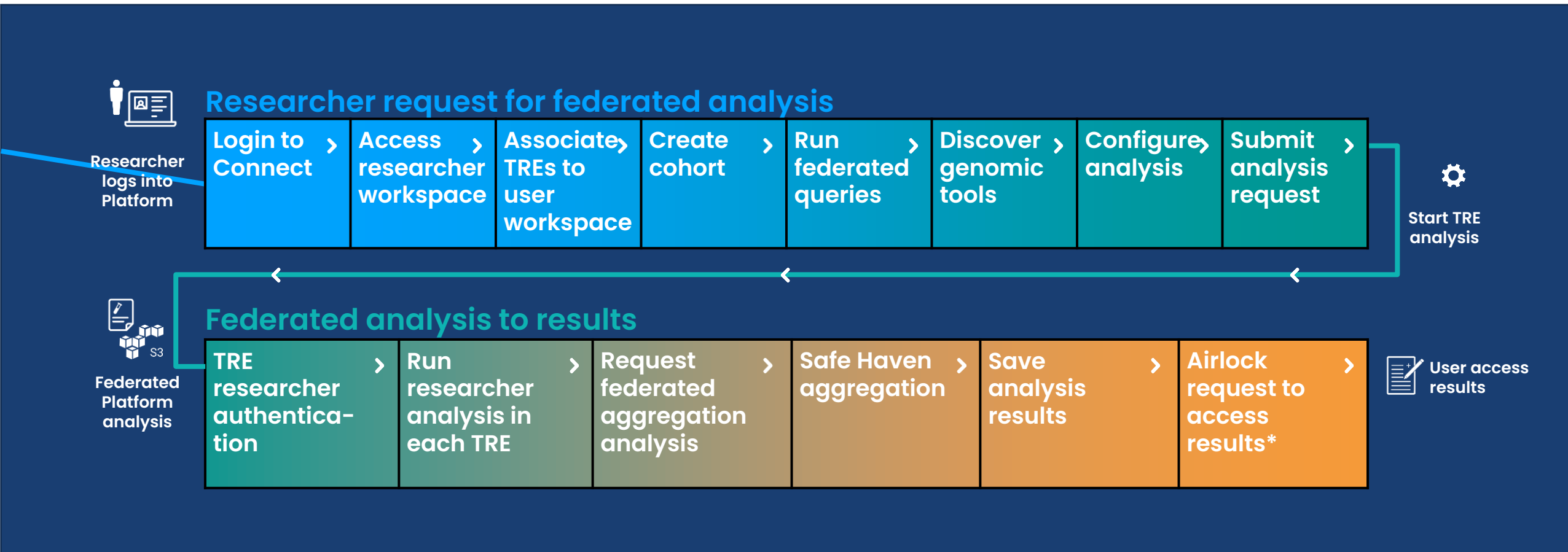
1. Reference architecture
2. Open-source APIs
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4. Use case

Impact:

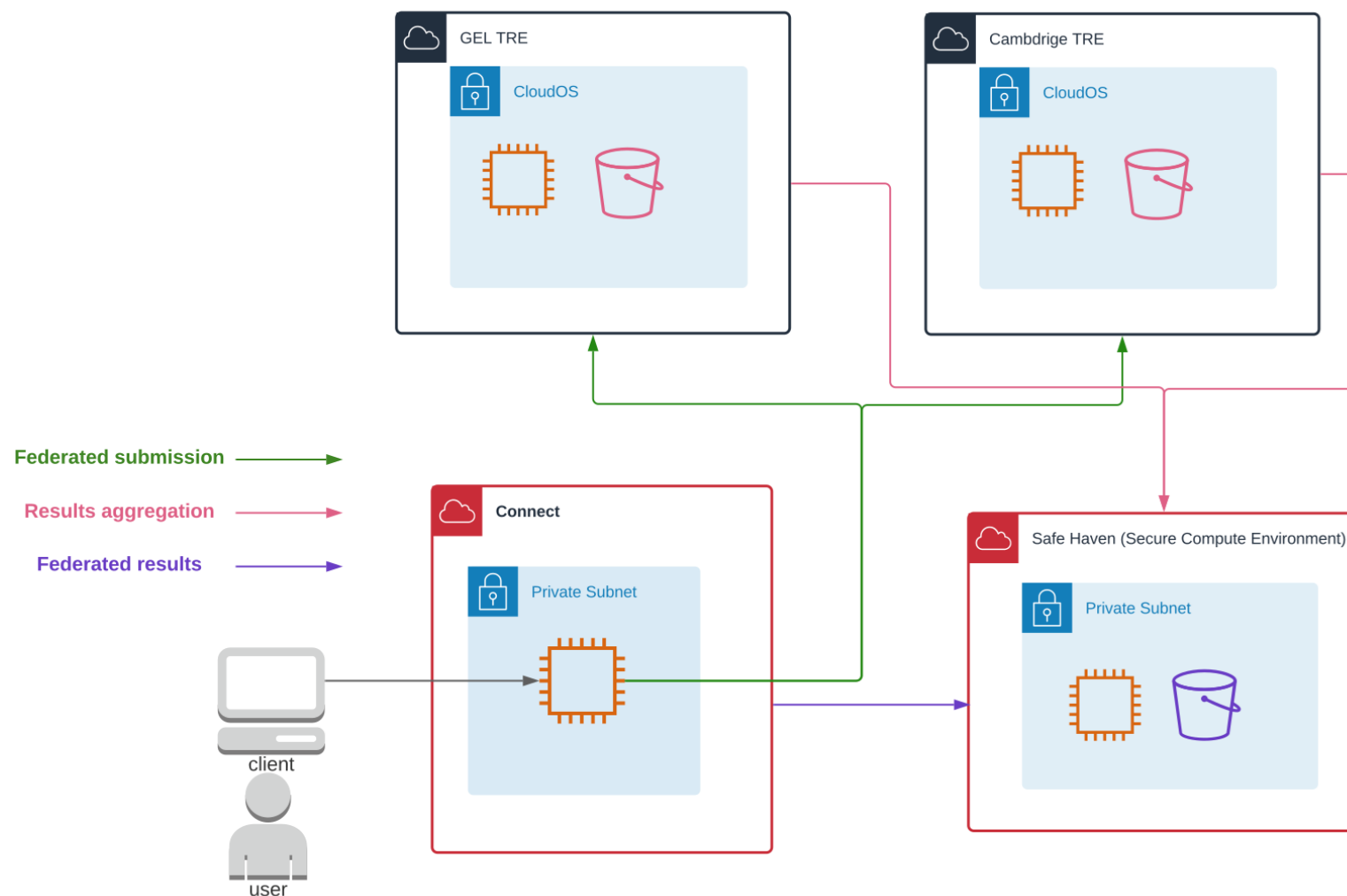
1. 1st UK HEI - Genomics England federation
2. Enables replication
3. Data governance matters
4. Increased discoverability



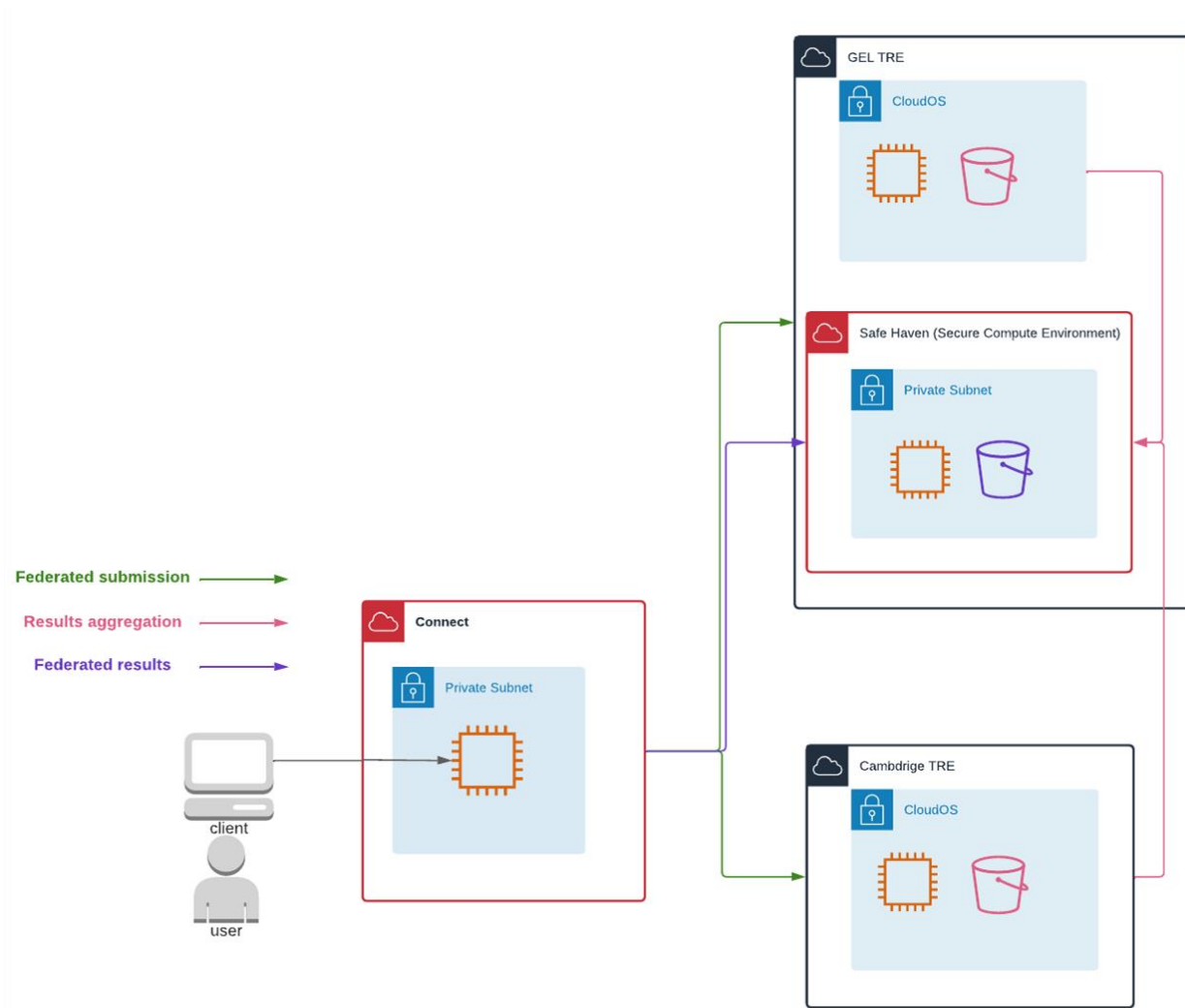
Federated Analysis Journeys



High level architecture



Revised High level architecture



Patient & public involvement

- Patient partner
 - Contributed to writing the bid
 - Sits on our Sprint Strategic Partnership Board
 - Attends technical workshops
 - Reviews documentation
- Q&A session held in February with a patient panel
 - FAQ document to help explain the project produced, in final review
- A combined patient & public panel from Genomics England and Cambridge University Hospitals took part in a discussion around models for Data Access Review

End