

Positioning authentication technologies within the “Five Safes” framework

Effective use of sensitive research data

This project explores the options for access to sensitive data sets; what authentication technologies (e.g. multi-factor authentication) are needed to access sensitive data and secure compute environments. This project seeks to position choices around authentication technologies within the Five Safes framework for research use of sensitive data, proposed in 2003 by Felix Ritchie of the UK Office of National Statistics:

1. Safe Projects: is the proposed research use of the data appropriate?
2. Safe People: can the users be trusted to use the data in an appropriate manner?
3. Safe Settings: does the access facility limit unauthorised use?
4. Safe Data: is there a disclosure risk in the data itself?
5. Safe Outputs: are the research results non-disclosive i.e. they do not compromise privacy or breach confidentiality?

Start date

23 July 2019

Expected completion date

21 October 2019

Investment by ARDC

\$43,000

Co-investment partners

[University of New South Wales](#)

Lead node



2. Poster

Showcasing the project work and outcomes.

1. Report

Exploring options for access to sensitive data sets; what authentication technologies (e.g. multi-factor authentication) are needed to access sensitive data and secure compute environments.

3. Presentation

Ignite style talk at the Storage and Infrastructure Summit drawing together lessons learned from the project.

Core features



Community support and involvement



Ignite ideas and discussions

Who is this project for?

Infrastructure providers



What does this project enable?

Projects in this area will contribute to determining what vision, governance structure and implementation program are necessary to create an Australian research data commons.



Handy resources

- [Final Report](#)
- [Presentation](#)
- [Poster](#)



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