What is a Data Vault?

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@JiscDataVault
Introducing the DataVault

• Practice paper:

  1. What is the DataVault
  2. Use cases
  3. How does it work
  4. Demo
  5. What do you think?
Research Data Management Services

Data Management Support

Data Management Planning
Active Data Infrastructure
Data Stewardship
Research Data Management Services

Data Management Support

Data Management Planning
Active Data Infrastructure
Data Stewardship
Data Stewardship

- DataVault
  - Long term archival storage
  - First envisaged a few years ago…
What is the DataVault - Analogies

https://www.flickr.com/photos/brookward/8457736952
What is the DataVault - Analogies

https://www.flickr.com/photos/timshelyn/4125480767
Where does it sit?

- Active Storage
- Lab Equipment
- Other Media
- Archival Storage
What is the DataVault?

• It’s a platform (a bit of web-based software), not a storage system
  • You still need an archival storage system

• It is provided via a RESTful API
  • But also comes with a default web user interface application

• It’s doesn’t undertake any active preservation activities
  • It does collect metadata and package the data for long-term storage
DataVault use cases

• Store golden-copy data so that it can’t be changed

• Storing finalised data that can’t be openly shared (or ‘everything else’)

• Retaining old data in case it can be re-analysed later on

• Retention to meet funder requirements
Information Architecture
Technical Architecture

Active Storage

DATA VAULT

Archival Storage

datavault-webapp

datavault-broker

RabbitMQ

datavault-worker(s)
Project funding

• Funded by Jisc

• DataSpring ‘Research at Risk’ programme

• Three phases

• Ideascale → pitches
Impact and Demand

THE UNIVERSITY of EDINBURGH

MANCHESTER 1824

The University of Manchester

UNIVERSITY OF BIRMINGHAM

LANCASTER UNIVERSITY

DATA VAULT

University of Reading

University of St Andrews

MONASH University

ROYAL HOLLOWAY UNIVERSITY OF LONDON
Impact and Demand
Phase 1 (3 months)
Phase 2 (4 months)
Phase 3 (6 months)
….and for 50% stake in our project we’re looking for investment of....
Demonstration time...

Data Vault
Keep your research data safe.

Welcome to the Data Vault!
Please use the 'Create new Vault' button below to get started...

Create new Vault
Demonstration time...

• Try it yourself...

http://demo.datavaultplatform.org/
What do you think?

• Do you agree with the use cases?
• Do you see a need for such a tool?
• Do you think the tool approaches preservation appropriately?
• Do you think it is missing any obvious features?

• Are you going to investigate it further!
  • Please talk to us!
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