



Custodian-Controlled Data Repository

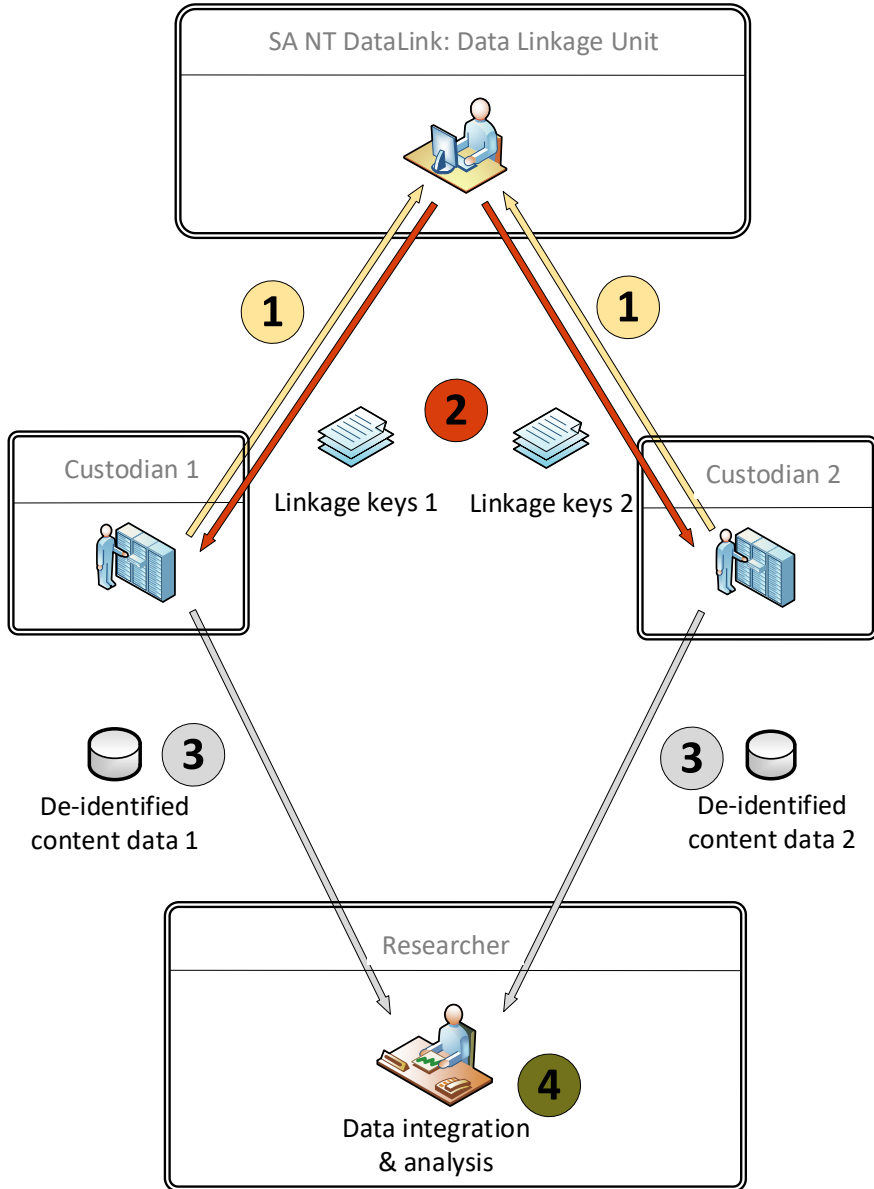
Supporting the timely, easy and cost effective access to high-quality linked data

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The Australian Government provides financial support to SA NT DataLink through the National Collaborative Research Infrastructure Strategy (NCRIS).

Existing data delivery model



1. Custodians provide personal identifiers

2. Data linkage unit produces linkage keys

3. Custodians de-identify data

4. Researcher undertakes integration and analysis

Business Challenge in safely and easily sharing data



Problem:

Reduced Data Custodian resources with increased work loads preventing quick data delivery



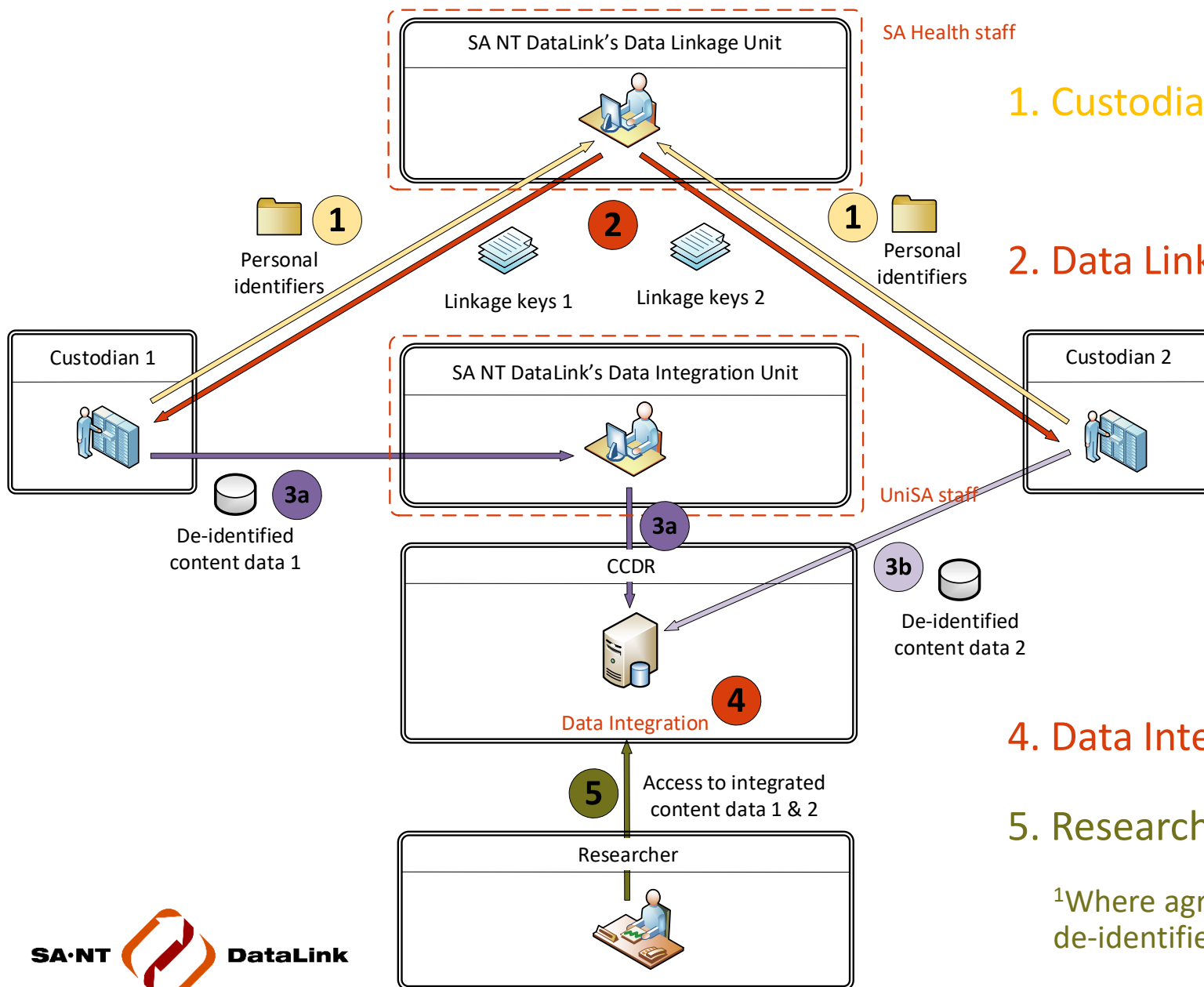
Result:

Improved timely delivery and access to approved de-identified data

Solution: Custodian-Controlled Data Repository

- **Unchanged data governance:**
 - Custodians remain data curators
 - Researchers only receive de-identified project data with custodian and ethics approvals
- **Opt-in:** Use of new model by custodians is voluntary
- **Process quality:** Aligned with Australian Government principles for data integration operating on Australian Government-approved infrastructure
- **Controlled access:** All access to data in relational database controlled by permissions
- **Centralised data:** De-identified data stored in Custodian-Controlled Data Repository (CCDR)
- **Centralised capacity:** Data Integration Unit staffed by SA NT DataLink

CCDR Workflow



1. Custodians provide personal identifiers

2. Data Linkage Unit produces linkage keys

3. Custodians provide de-identified data

a. into CCDR via Data Integration Unit

b. directly into CCDR

4. Data Integration Unit merges datasets

5. Researcher accesses integrated project data in CCDR¹

¹Where agreed with a custodian, researchers may also receive de-identified data directly from the custodian

Benefits

✓ **Less complex:**

- Custodians: less frequent provision of de-identified data
- Researchers: less custodians to liaise with for data delivery

✓ **More timely:**

- Researchers: less delays through support of data delivery by dedicated SA NT DataLink staff

✓ **More resource-efficient:**

- Custodians: less staff time required for data delivery

**Please contact us if you have any questions
or require more detailed information
on workflows and business processes
around the Custodian-Controlled Data Repository**

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