

Australian Trust and Identity Roadmap for National Research Infrastructure

Connecting Australia's national digital research ecosystem simply and securely

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Acknowledgement of country



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In the spirit of reconciliation the Australian Access Federation (AAF) acknowledges the Traditional Custodians of country throughout Australia and their connections to land, sea and community.

We pay our respect to their Elders past and present and extend that respect to all Aboriginal and Torres Strait Islander peoples today.

The benefits of data access and use can only be realised if they are underpinned by trust that data is being handled safely and securely.

Globally connected, Australian controlled, Trust and Identity infrastructure



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25

NCRIS Facilities



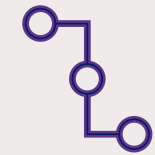
90,000

Researchers



380+

International service
connections



11M

Authentications

Transforming Australian research infrastructure through trust and identity

Vision

System-wide adoption of Trust and Identity enabling a more researcher centric national research infrastructure (NRI) for Australia.

Mission

We will deliver a seamless, privacy enhancing and cyber secure experience for end users of Australia's national research infrastructure through a system-wide framework for trust and identity.

The combination of policies and technology will build a connected research, innovation and translation network, and provide enhanced collaboration opportunities with support from a skilled workforce.



Strategic drivers



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Interoperability for collaboration

Infrastructure and resources for a more cohesive and connected NRI ecosystem which is easily and collaboratively accessed.



Amplified capability for efficiency

Faster access to the data and tools researchers need through a world leading suite of T&I tools, services and skills.



Connectivity for global participation

Australian researchers increasingly able to lead and participate in international research programs.



Thematic deployment for impact

Harnessing the full potential of the research infrastructure by deploying T&I solutions to national challenges, creating impactful collaborative partnerships across the NRI ecosystem.



Cyber security for trusted environments

A trusted and secure NRI ecosystem for improved national security, economic competitiveness, and scientific advancement.



Trust and identity for sustainability

Enable enduring and system-wide T&I improvements for NCRIS.

Challenges



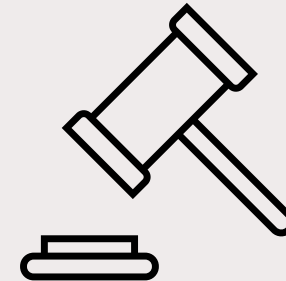
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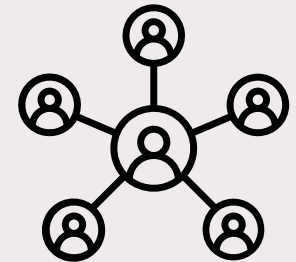
Cyber Security



**Research Data
Access**



**Digital
Governance**



**Collaboration
Complexity**

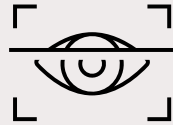
Solution: Trust and Identity Framework



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**Extending
trusted access
to all
researchers**



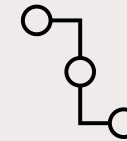
**Safe and
assured
researcher-
centred access**



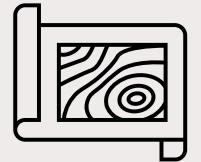
**Nationally and
internationally ali
gned T&I for
research**



**T&I enabled tools
for data, compute
and research
software**



**Strengthen
research impact
tracking**



**Discipline
specific support
for FAIR and
CARE and
sensitive data**



Amplify system-wide T&I skills

Resources and Policy Toolkits



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What issue are you seeking to solve?

We have listed below a series of common challenges that research infrastructure are facing in the implementation of trust and identity for research collaborations.

<p>Why do I need trust and identity?</p> <p>READ MORE</p>	<p>How does my organisation join the Federation?</p> <p>READ MORE</p>
<p>Seamless access management for between organisations</p> <p>READ MORE</p>	<p>How can trust and identity help with impact tracking?</p> <p>READ MORE</p>
<p>What policies do I need to run a research collaboration?</p> <p>READ MORE</p>	<p>Secure access to Australia's high performance computers</p> <p>READ MORE</p>

Common T&I policies, architecture blueprint and resources, enabling trusted and secure collaboration across multiple services and organisations.

Real-world impact



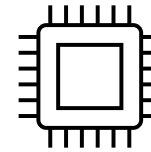
Australian Research Data Commons (ARDC)

Proving the system works at scale



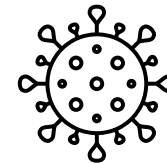
Microscopy Australia

Impact tracking through persistent identifiers



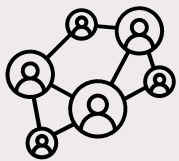
Pawsey Supercomputing Research Centre

One secure login across entire supercomputing network

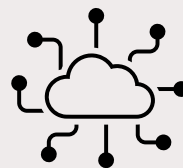


National Imaging Facility

Secure data sharing for medical breakthroughs



109 Connected Organisations



990+ Service Connections



80+ Global Federations

Benefits for NCRIS



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We're unlocking national research infrastructure through a shared understanding of a digital identity



Easier access to national research infrastructure through seamless services

Creating a more researcher-centric NRI ecosystem that reduces the time and complexity for researchers to access multiple services.



Better access to international research infrastructure

Working in step with global best practice developments in interoperability and collaboration.



A connected NRI ecosystem for better industry collaboration

Partnering with industry and global identity providers to build and implement the next generation of T&I solutions.



A safer and more secure NRI ecosystem

Ensuring the safety and security of our national assets by protecting them against cyber security risks.



Transformation across research themes

Opening up data and opportunities for collaboration across research themes such as environmental science, space, health sciences and more.



Impact tracking

Enabling tracking of data and resources, so researchers and facilities are recognised for their research impact.



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**We make it easy for researchers to
securely access national and international
research applications and datasets**

Visit: aaf.edu.au

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