

Faster than a..... How to move your data fast and secure

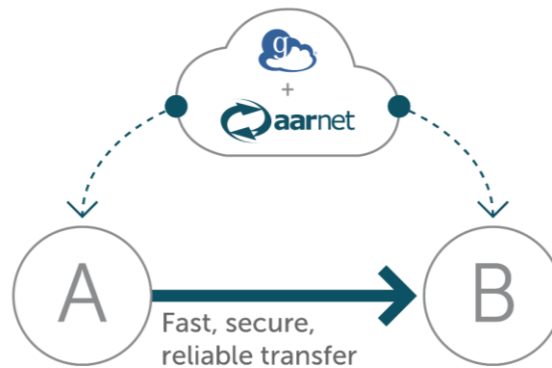
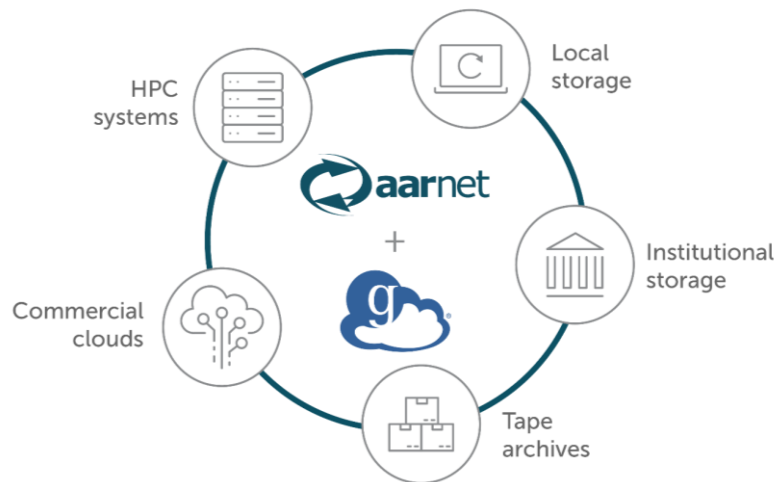
AARNet + Globus

eResearch 2022

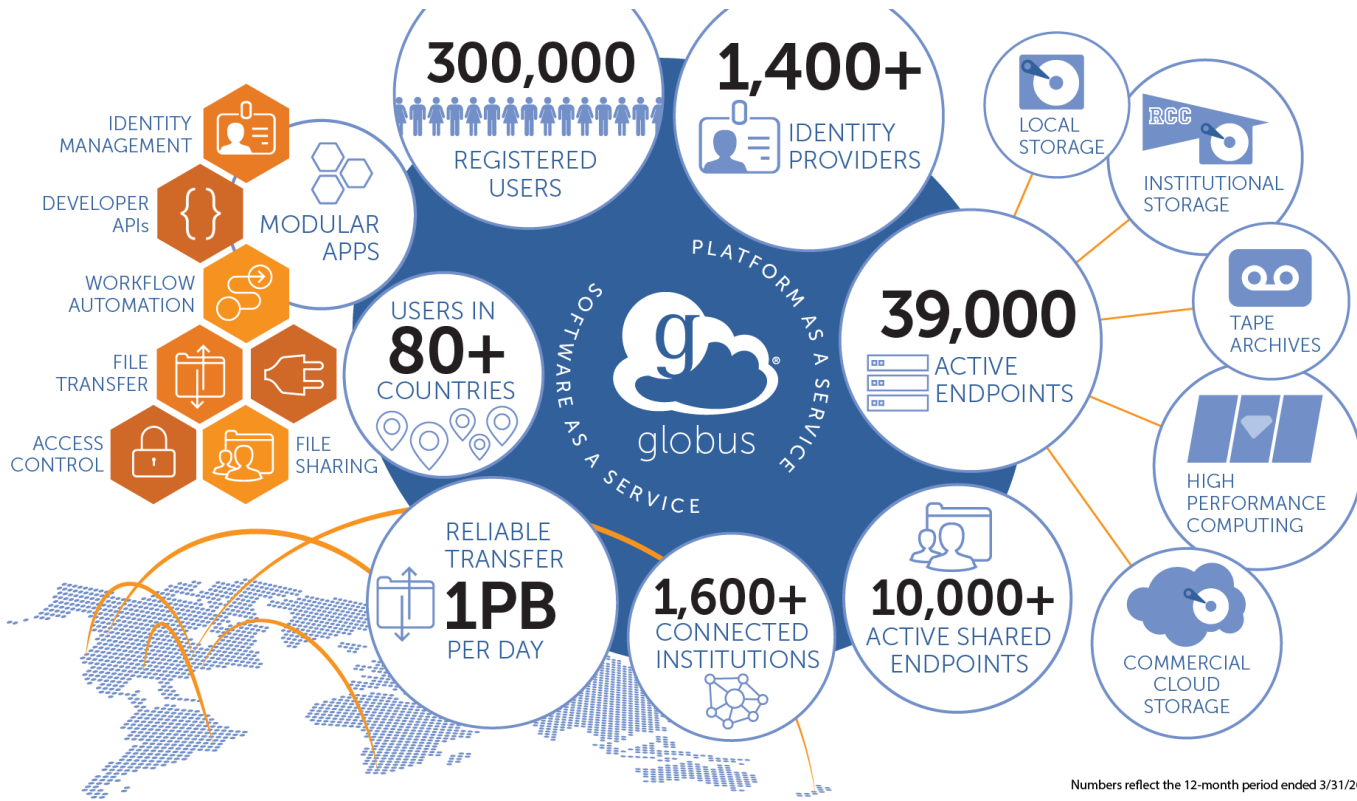
Ryan Fraser | Greg Darcy | Chris Myers

Globus

Fast, reliable research data transfers



Making it easier for researchers to collaborate and share large-scale data across organisational boundaries



Numbers reflect the 12-month period ended 3/31/2022

Why Globus with AARNet?



AARNet connected

- Leverage AARNet network
- Unlimited managed endpoints across Australia
- Available to all AARNet customers
- AARNet will operate some endpoints



Beyond the subscription

- Up to 2 days support for onboarding and network configuration
- Dedicated service desk and Slack channel
- Endpoint testing



Training and engagement

- Commitment to grow the service
- End user training programs
- Regular community technical workshops



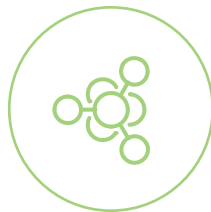
Competitive pricing

- Low-cost annual subscription for AARNet customers
- 3 tiers based on institute research revenue (small, medium, large)

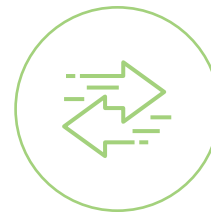
Key features of Globus



Connect through a web browser
or command line interface



Access data across multiple
devices and storage locations



Simple file sharing without the
need for additional user accounts



AAF login and multi-factor
authentication



Real-time analytics and monitoring
and transfer optimisations

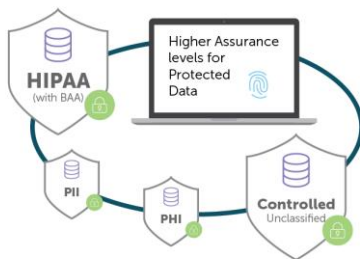


Restful API and Python SDK for
building custom platforms

Globus capabilities

Where to Use

- Wherever there is large of complex data transfer requirements
- When Globus is deployed both source/destination
- Labs, HPC, Collections, any internet-connected equipment
- On non-standard operating environments



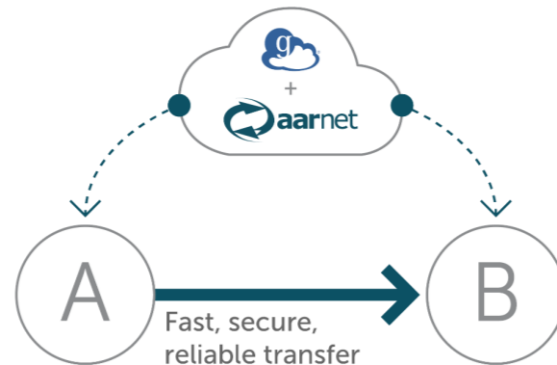
Optional Connectors and High Assurance

Features (click ⓘ for description)	Basic	Starter	Standard	High Assurance ⓘ	HIPAA BAA ⓘ
File transfer ⓘ	Unlimited	Unlimited	Unlimited	Unlimited	Unlimited
Managed endpoints ⓘ	None	1	Unlimited	Unlimited	Unlimited
File sharing ⓘ	—	✓	✓	✓	✓
Management console ⓘ	—	✓	✓	✓	✓
Usage reports ⓘ	—	✓	✓	✓	✓
Support for Globus Connect, Web, CLI ⓘ	—	✓	✓	✓	✓
HTTPS support ⓘ	—	—	✓	✓	✓
Search and discovery services ⓘ	—	—	✓	✓	✓
Data automation services ⓘ	—	—	✓	✓	✓
Globus Plus users ⓘ	—	—	✓	✓	✓
Application integration support ⓘ	—	—	✓	✓	✓
Session/Device Isolation ⓘ	—	—	—	✓	✓
Additional authentication assurance ⓘ	—	—	—	✓	✓
Comprehensive audit logging ⓘ	—	—	—	✓	✓
Business Associate Agreement ⓘ	—	—	—	—	✓
Support service level ⓘ	—	Monday-Friday, 9am-5pm Central; 1-business day response			
Named support contacts ⓘ	—	1	5		
Pricing	Free	Contact us for subscription pricing details			

<https://www.globus.org/subscriptions>

- Globus is now available with subscription available through AARNET
- Demonstrated Results:
 - *Demonstrated National & International Transfers*
 - *av 9.8GB/s over 10G connection.*
 - *Galaxy Data archive <2weeks to move 120TB data from Per to Melb*
 - *Four Unis & CSIRO officially subscribed, ~12 further in process*

Goal: Highly connected, accessible, reliable access to infrastructure and data within Australia and out to the World, so Researchers can focus on the science, rather than moving data



Get Moving your Data?

Summary

- AARNet+Globus is available now
- Power of Globus is enabled through the physical network but strengthened by the network of endpoints

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Thank you
