



Delivering Cloud Computing Resources for Researchers

QUESTnet 2016



QRIScloud

- Who
- What
- How
- Why

Collaboration \neq building walls



Who is QCIF



Who is QCIF



Who is QCIF



What is QRIScloud



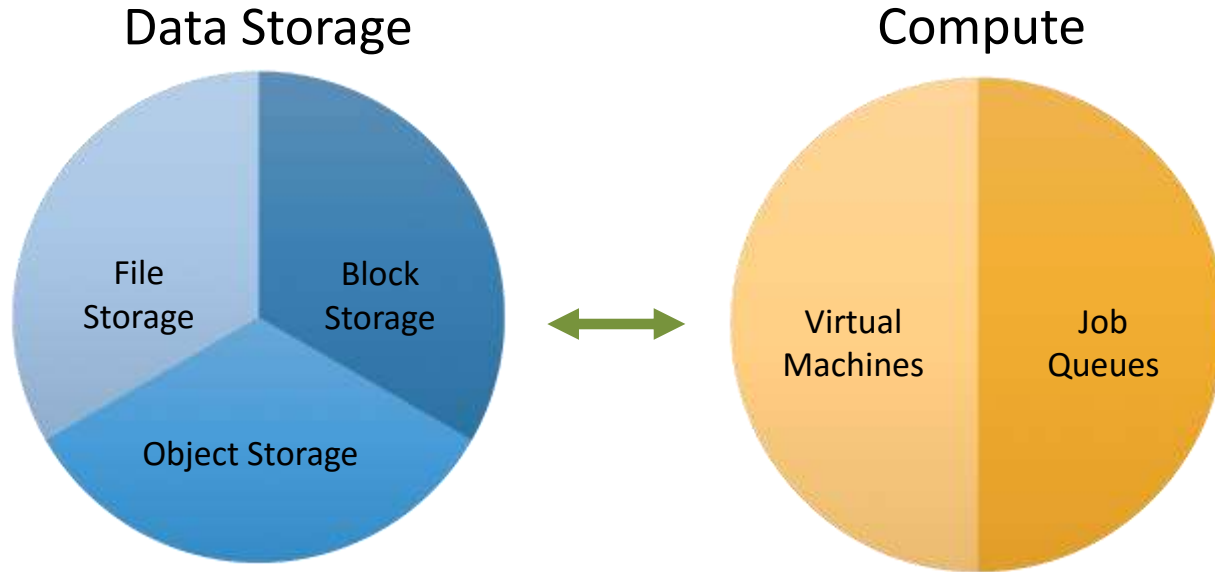
Queensland **R**esearch **I**nfrastructure and **S**ervices

Where is QRIScloud



NOT TO SCALE

QRIScloud services



How was QRIScloud created

- Blood
- Sweat
- Tears

- Which includes:
 - Identity management
 - Integration
 - Support

Identity management

- Challenges:
 - Users from multiple institutions
 - Staff and students
- Solutions:
 - Australian Access Federation (AAF)
 - QCIF as an Identity Provider
 - Shared token `auEduPersonSharedToken`

Integration

- Challenges
 - Different services are different
 - Web-based services
 - SSH, Aspera (file transfer), GridFTP, NFS, Mediaflux, clusters, etc.
- Solutions
 - QRIScloud Service Access Credential (QSAC)
 - LDAP

User support

- Challenges:
 - Diverse range of expertise and engagement
- Solutions
 - Customer service management platform
 - Documentation (Tier-0 support)
 - Empowering users

The future

Research needs are only going to increase.

We can only meet that need
by working together.

Collaboration = building together



If I have seen further,
it is by standing on the shoulders of giants.

– Isaac Newton