# QRIScloud

## QRIScloud provides an easy, effective and economical way for researchers to access large-scale cloud computing services coupled with data storage services to facilitate research and collaboration.

### WHY USE QRISCLOUD?

**QRIScloud enables researchers and institutions to focus on their research by providing easy access to:**

- › virtual machines coupled with computational storage, replacing the need to purchase computing equipment
- › specialised high-performance computing (HPC) clusters
- › resilient, high-capacity data storage resources

- › valuable collections of data from past research, research institutions, government and industry
- › applications, tools and services designed to meet the needs of researchers and research communities
- › assistance to enable effective and productive use of QRIScloud.

**QCIF**
**QRIS**CLOUD

**QCIF**
**BIO**INFORMATICS

**QCIF**
**SOFTWARE**SOLUTIONS

**QCIF**
**SKILLS**DEVELOPMENT

**qcif.edu.au**

# QRIScloud's value to researchers and their institutions

Use of QRIScloud services is cost effective for researchers and research institutions as much of its infrastructure and operating costs have been funded by the Commonwealth and state governments, universities and other research partners in Queensland.

## With QRIScloud, research institutions can:

> arrange for their research data to be safely stored in QRIScloud

> take advantage of QRIScloud's economical costs for computing and data storage

> share data and applications across the institution and with external collaborators

> participate in and collaborate across national and international research communities

> obtain comprehensive information about their researchers' use of QRIScloud.

## With QRIScloud, researchers can:

> safely store data sets

> manage their data sets and control access to them

> acquire and operate virtual machine (VM) instances

> configure VMs with options for operating systems, virtual CPUs, GPUs, and memory

> create and run websites to share data through web portals and APIs

> link VM instances to large data sets

> share data sets with colleagues and across research communities

> collaborate with researchers worldwide

> access and use research community services, provided through national software platforms

> access a wide range of eResearch services, tools and applications

> access institutional HPC facilities

> evolve their skills with eResearch technologies.

## With QRIScloud, research communities can:

> create and operate web portals providing researchers in their community access to information, applications, tools, services and data collections

> provide researchers with access to data collections valuable to the community, and space for data created and processed during research projects

> share data and computing, aiding collaboration amongst the community

> interact within the community and with their national and international collaborators.

**Visit the QRIScloud website for more information:** qriscloud.org.au

## About QCIF

QCIF provides data-intensive eResearch infrastructure, services and training to accelerate research and innovation.

**QCIF**

### Members

THE UNIVERSITY OF QUEENSLAND AUSTRALIA

JCU JAMES COOK UNIVERSITY AUSTRALIA

Griffith UNIVERSITY Queensland, Australia

CQUniversity AUSTRALIA

University of Southern Queensland

QUT

University of the Sunshine Coast Australia

### Supported by

ARDC Australian Research Data Commons

BIOPLATFORMS AUSTRALIA

NCRIS National Research Infrastructure for Australia An Australian Government Initiative

Queensland Government

### Associate Members

BOND UNIVERSITY

QUEENSLAND MUSEUM NETWORK

Queensland Government

### Affiliate Member

Southern Cross University