

Home

High Performance (Research) Computing

Welcome to the home page of JCU High Performance & Research Computing (HPRC, formerly HPC).

[HPRC Cluster Q&A](#)

[Common user mistakes](#)

[What's happening in HPC \(HPC only\)](#)

[Research Storage Environment \(2020-\)](#)

[Responsible Research Guidelines/Suggestions](#)

MATLAB (on your computing device)

[Access to MATLAB licenses](#) (running MATLAB on your computer) does not require a HPC account.

[MATLAB Installation \(using HPRC licenses\)](#)

[MATLAB license consumption](#)

Access to HPC resources

[Why use HPC?](#)

[HPRC Cluster Hardware](#)

[Obtaining a HPC account](#)

[HPRC Desktop Software](#) - software that can be used to access HPC resources.

Using the HPC cluster

[HPRC Software Environment \(RHEL 7 Linux Cluster\)](#)

[HPRC - Environment Modules](#)

[PBSPro - Job Management System](#)

[HPRC PBSPro script files](#)

Advice/Recommendations

[Selecting a storage resource that best fits my requirements](#)

[Selecting a compute resource that best fits my requirements](#)

Useful Links

[JCU IT Acceptable Use Policy](#)

[JCU IT Maintenance Windows](#)

[Management of Research Data & Information](#)

[Australian Code for Responsible Conduct in Research](#)

[ARC - Australian Research Council](#)

[ARDC - Australian Research Data Commons](#)

[NCI - National Computational Infrastructure](#)

[Pawsey Supercomputing Centre](#)

[QCIF - Queensland Cyber Infrastructure Foundation](#)

Accessing [HPRC Storage](#) from your personal computing device(s).

Information for researchers [Leaving JCU](#)

Links For New Users

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[HPRC Best Practices](#)

[Some reasons for using HPRC resources?](#)

[WARNING - Backups](#)

[WARNING - Using desktop/laptop computers for research \(you should understand the risks\)](#)

HPRC Resources - Use Cases

[I want a place to archive, protect, or work on all my research data](#)

[I want a resource where I can run my software with as little interruption as possible \(a virtual desktop like resource\)](#)

[I want to increase my computational research productivity \(parallelising my computations\)](#)

[I've decided to use the HPRC cluster, what software is available?](#)

More Detailed Information

[HPRC Storage Explained](#)

[Fingerprints of HPC systems' SSH keys](#)