

# Home

## High Performance (Research) Computing

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

[JCU eResearch Infrastructure Q&A](#)

[Common Issues](#)

[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.

### **Links For New Users**

[HPC Storage - Appropriate use](#)

[HPRC Software Environment \(Windows Server\)](#)

[HPRC New Users](#)

[HPRC Best Practices](#)

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

[WARNING - Backups](#)

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

### **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](#)

Information for researchers [Leaving JCU](#)

## 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](#)

### 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](#)