

High Performance Computing for PGR Students

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What HPC means?



High Performance Computing (HPC)

HPC is a technology that uses supercomputers or cluster of interconnected computers that can solve computational problems at a rate that far exceeds a local machine or laptop.

We proudly support Apocrita 🚸



Why would you need an Apocrita access?

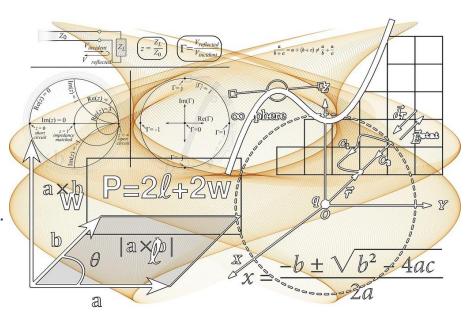
When your local computer gets slow in processing large and/or complex calculations...

When your simulations runs take longer than 8 hours and you have to wait several hours for a result...

When you obtain outputs from your simulations that full up your laptop...

When you need a software that is not available in your laptop and already installed/licensed in Apocrita...

When you need to share and collaborate in a project with more colleagues that might/not use Apocrita...





Accessing Apocrita

You can access from your laptop or any other device that has Internet connection and its own SSH key pair.



Windows

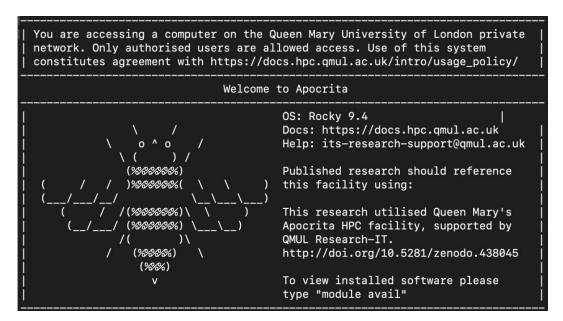


Linux



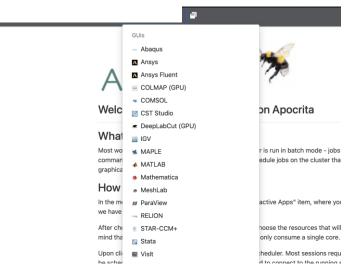


Apocrita uses Rocky Linuxtm



https://blog.hpc.qmul.ac.uk/rocky-benefits/





https://blog.hpc.qmul.ac.uk/R-top-tips



Do I have all the programs I need for my research?













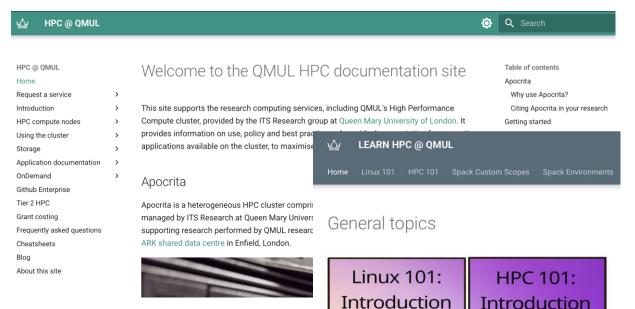


https://docs.hpc.qmul.ac.uk/apps/applications

What about the version and/or dependencies?



HPC@QMUL website - https://docs.hpc.qmul.ac.uk/



Spack tutorials

to Linux

to Apocrita

- Architecture
- Procedures
- Resolving a problem
- Accessing Apocrita
- Password changes
- Service status
- Online training materials
- Videos
- FAQs



Getting help

We have different ways to allow you to resolve some Apocrita issues independently. Some of the most frequently visited pages include email, slack, and YouTube channel.







qmul-research-it



gmul-its-research







HPC@QMUL ANNUAL USER MEETING

9:00 AM TO 5:00 PM 13 NOV





ArtsOne Building, Queen Mary University of London, BLOC, 1 Westfield Way, London E1 4PD.

https://hpcqmul.eventbrite.co.uk



Thank you!

https://community.hpc.qmul.ac.uk

