

Signing Up

"The Angry Penguin", used under creative commons licence from Swantje Hess and Jannis Pohlmann.



You should know

- Which general approach to using big compute is right for your problem
- What you need to look into to use that approach
- Which general class of machine you want to apply to
 - HPC - Probably start with Avon
 - HTC - Probably start with Task Farm

Both

- Before you can use other SCRTP systems you have to sign up for a desktop account
- <https://warwick.ac.uk/research/rtp/sc/desktop/gettingstarted>
- Following the instructions there you should
 - Sign up for the desktop account
 - Sign up for the mailing lists (so that you know what is going on with the systems)
 - Sign up for a Bugzilla account (so that you can report problems)
 - If you are not familiar with the Linux command line, read the "Getting Started With Linux Guide" <https://warwick.ac.uk/research/rtp/sc/rse/training/linuxdesktop/>

Avon

- Before you can use Avon you need a desktop account
- <https://warwick.ac.uk/research/rtp/sc/hpc/register/>
- Follow the instructions on that page completely, most importantly you may need to follow the instructions on logging in either from
 - Windows <https://warwick.ac.uk/research/rtp/sc/hpc/login/windows/>
 - Linux/Mac <https://warwick.ac.uk/research/rtp/sc/hpc/login/>

Later

- Once you are familiar with using your code on systems like the task farm or Avon you can move upwards to bigger machines
- Sulis - Obvious next step for HTC, can also use for HPC at Warwick
- Other Tier 2 machines - Check our slides on what they are for and use them if you work in that area
- ARCHER2/DiRAC - Use if you need access to the largest machines in the UK

Sulis

- You can apply for Sulis time in two ways
 - As a member of the university of Warwick (doing any kind of research)
 - As a researcher in the EPSRC remit (from any university)
- <https://warwick.ac.uk/research/rtp/sc/sulis/access/>
- Note the information about exploratory access - this can be very useful when getting started

ARCHER2

- ARCHER2 is the largest machine in the UK
- Access is by application through various routes depending on which research council your research comes under and how much resource you want
- <https://www.archer2.ac.uk/support-access/access.html>

DiRAC

- DiRAC is the equivalent of ARCHER2 for STFC researchers
- Application is also by a periodic call for proposals
- <https://dirac.ac.uk/community/#RAC>
- Research **must** be under the STFC remit

PRACE and INSITE

- You probably are thinking way too far ahead if you are at this course and thinking about PRACE or INSITE access
- If you are at the level where you do need access to the largest machines in the world, talk to us
 - We might be able to help