

The CSC Cluster `tinis`

Account registration

The CSC cluster `tinis` is the university's newest computing cluster, coming online in November 2015. It provides 3500 single-processor nodes for research purposes throughout the university. For the CS402 module a number of nodes have been reserved for our use. This document will guide you through the initial task of registering an account on the cluster.

1 Create a SCRTP account

A SCRTP account is necessary in order to have a storage area on `tinis`. Visit this page to create an account, using your university credentials to authenticate:

<https://freecentre.csc.warwick.ac.uk/account/create.php>

Further information can be found at:

<http://www2.warwick.ac.uk/research/rtp/sc/desktop/myaccount>

2 Creating an SSH key

Access to `tinis` is provided via an account that is accessed by an SSH key, and so you must generate one for yourself:

1. Open a terminal window and type:
`ssh-keygen -t rsa -b 4096`
This command will generate a pair of RSA keys, public and private, with a key length of 4096 bits.
2. You will then be asked to provide a filename for the new key. The default name `id_rsa` is fine unless there already exists a key with that name, in which case you should provide an unused name (for example `tinis_rsa`).
3. Next you will be asked for a passphrase. Please use a strong passphrase.
4. You will now have two new keys in the directory `${HOME}/.ssh/`. The key ending with `.pub` is the public key and should be provided during registration; the other key is the private key and should not be disclosed, only used to log into `tinis`.

Further information can be found at:

<http://www2.warwick.ac.uk/research/rtp/sc/hpc/login>

3 Account registration

The account registration form is found at the following link:

<http://www2.warwick.ac.uk/research/rtp/sc/hpc/register>

Fill the form using the following information:

3.1 System and type of access

Select "Tinis"

3.2 Department or research group

Select "Department of Computer Science - CS402 Taught Module"

3.3 Research code

Leave blank

3.4 Classification

Select "UG (undergraduate)"

3.5 Lead academic

Type "Ligang He"

3.6 Brief description of research

Type "CS402 taught module"

3.7 Public key upload

Click the link named "Attach file(s)" and upload your **public** SSH key.