

#1 - Apply for Account on FutureSystems Portal

Apply for Account on FS Portal

- Register a FutureSystems account on the portal page:

<https://portal.futuresystems.org/user/register>

- Make sure you fill in the username as your IU email username, e.g. <username>@iu.edu

- Sign up code: E599/B649

- Adviser's Contact Information

- FG-566, Professor Judy Qiu, xqiu@indiana.edu

Apply for Account

- Email will be sent to confirm your account
 - Also wait for FG admins to approve your account
- Once account is created, join FG-566 project
 - <https://portal.futuresystems.org/projects/566>
 - Click “Request Join” on right column
- Wait for confirmation email

Apply for Account on FS Portal

- Need to have SSH keypair to log into system servers
 - If you have an existing keypair, use public key now
- Generate a ssh keypair for cluster login
 - Use any UNIX OS (Linux, Mac OS X) and type:
`ssh-keygen -t rsa`
 - Keys will default be created at `~/.ssh/id_rsa` and `~/.ssh/id_rsa.pub` for private and public keys, respectively
 - Can give `-f filename` flag to name the key a special name

Apply Account on FS Portal

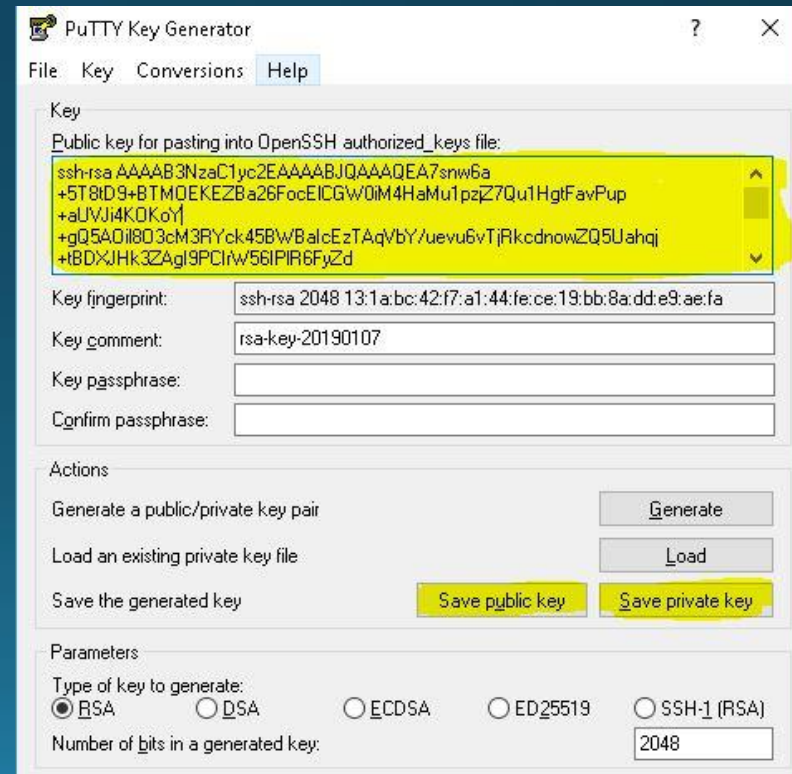
- Display public key (id_rsa.pub) in terminal:
 - `cat ~/.ssh/id_rsa.pub`
- Copy and paste (add a new key) the public key to FS portal
 - My Portal Account -> SSH Keys -> Add public key
 - NOTE: be careful not to include newlines when you c/p!

SSH Key on Windows

- Download & install PutTTY
 - <https://the.earth.li/~sgtatham/putty/latest/w64/putty-64bit-0.70-installer.msi>
- Run *puttygen.exe* and click to the Generate button.
- My Portal Account ->

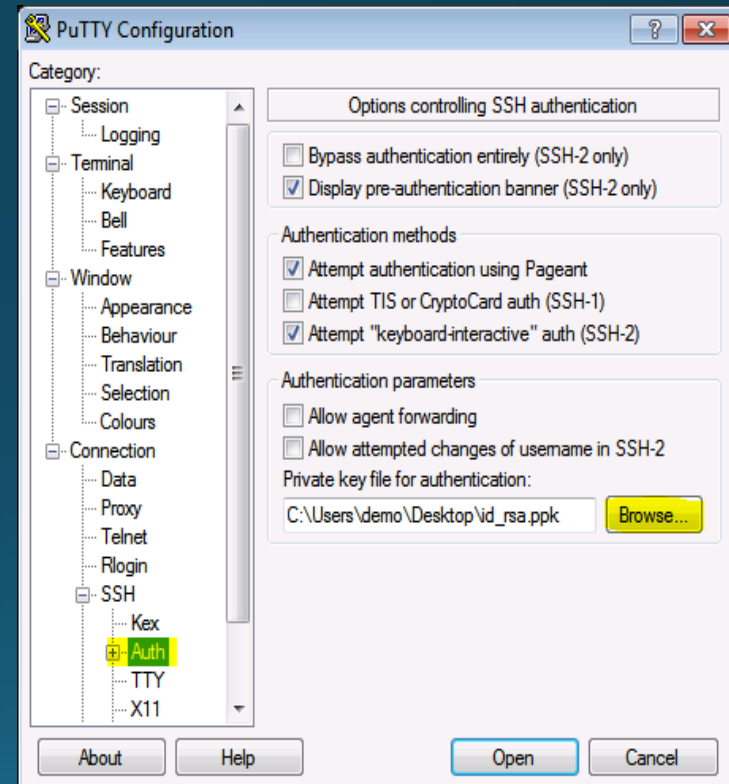
SSH Keys -> Add public key

- C/p the yellow part's content.
- Save public and private keys to your machine



Connecting to the node using PuTTY

- Run putty.exe
- Set the path for the private key file
- Go to Session and type `username@juliet.futuresystems.org`



Account on FS Portal

- Check to make sure your account is all set up
 - My Portal Account -> Portal Account
 - <https://portal.futuresystems.org/manage-my-portal-account>
- If all blocks GREEN, you're all set!
- May have to wait up to a few hours for final setup to complete (Access to Resources)

Steps	Portal Account	=>	Project Affiliation	=>	SSH Key Submission	=>	Access to Resources
Status	OK		OK		OK		VALID
Actions							Username: ajyounge Since 2010-04-30T21:04:36Z

FS Portal Account Help

- For more help, please follow the following detailed guides:
 - **Step 1: Create a portal account**
http://cloudmesh.github.io/introduction_to_cloud_computing/accounts/details.html#s-account-create-account
 - **Step 2: Join a project or create**
http://cloudmesh.github.io/introduction_to_cloud_computing/accounts/details.html#join-a-project
 - **Step 3: Upload a SSH Public Key**
http://cloudmesh.github.io/introduction_to_cloud_computing/accounts/details.html#upload-a-ssh-public-key