Next Steps

Policy for re-use

- This presentation can be re-used for academic purposes.

- However if you do so then please let training-support@nesc.ac.uk know. We need to gather statistics of re-use: no. of events, number of people trained. Thank you!!

Goal of talk

- Thus far the emphasis has been on what the NGS is, and how to use its core services.

- The goal of this talk is to ensure that intending users of the NGS know
  - relevant support services and procedures
  - The steps to be taken to join the NGS

Overview

- What you can do next:

    1. Obtain a UK e-Science Certificate
       THEN

    2. Apply for access to the NGS

        - You join personally – not as a project

    3. Whilst these are being processed

    – Determine your options for running grid commands

    – Set up equivalent of training-ui.nesc.ac.uk?

    – Use gsissh on windows?

- More training?!

How Do I Get A Certificate?

- You need a valid UK certificate before applying for an NGS account:
  - https://ca.grid-support.ac.uk, the UK Certificate Authority.
  - You will probably need to provide non-electronic proof of identity to your local representative of the CA.
    - For example: a photocopy of your passport.
    - See http://www.grid-support.ac.uk/archive/ca/ralist.htm
  - Ensure that you use the same browser (on the same computer) that you sent the request from to download your certificate.
  - Always keep this certificate secure.
- Follow instructions on UK CA pages
  - and also refer to yesterday's 2nd talk and 1st practical.

Apply for access to the NGS

- Via www.ngs.ac.uk/access

- You need a UK e-science certificate before you apply

- Simple web form
  - Specify cpu time, storage you want

User Registration (Process)
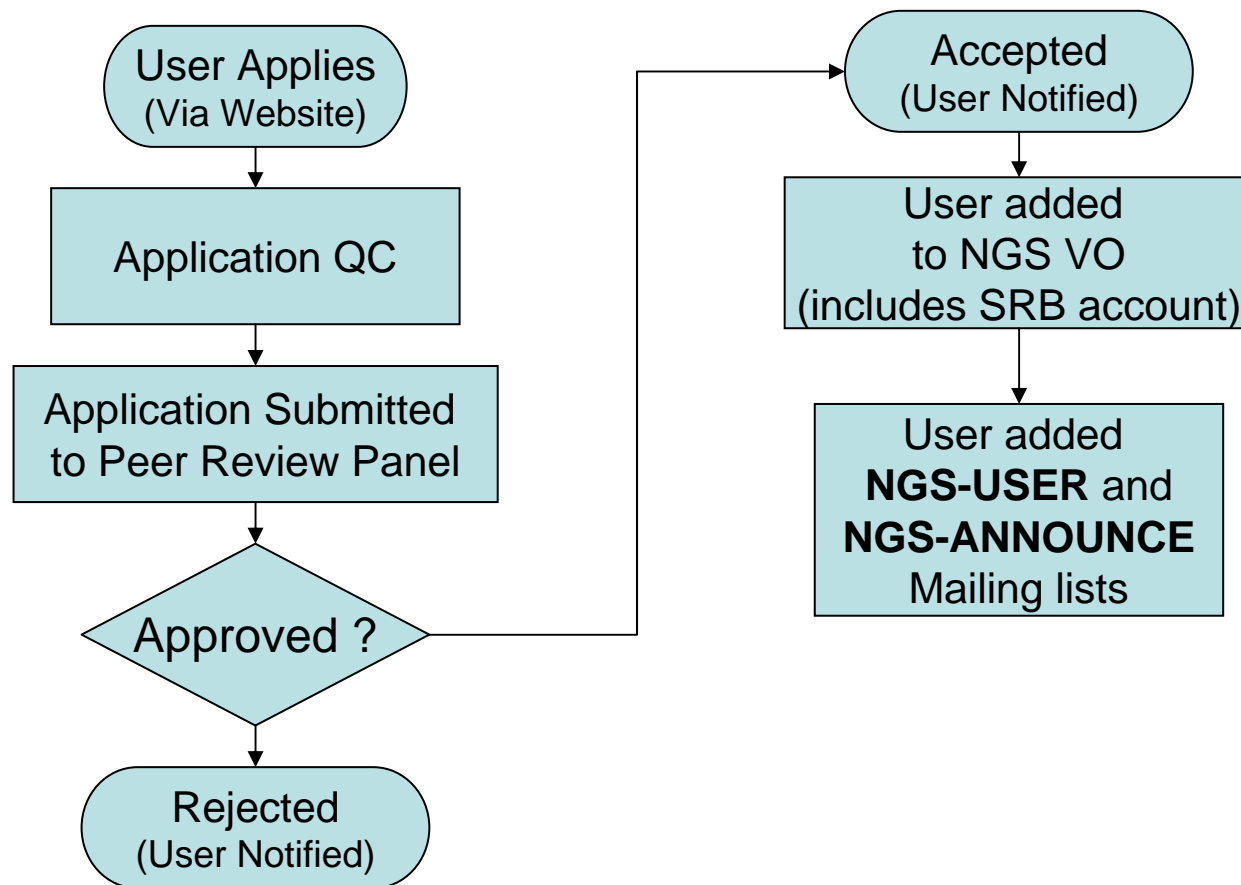
Access to data services

- With your NGS account, you get
    - SRB account

- Can apply for an Oracle account

Projects and VOs

- Project-based applications being dealt with case-by-case

- Want to host your data on NGS?
  - consider GridFTP, SRB, Oracle, or OGSA-DAI
  - NGS maintains infrastructure
  - you populate and manage data

- Want to use NGS resources to provision services, portals for a community of users?
  - next slide

Providing services for a VO

- NGS resources can be used to provide a portal (or portlets) or other service for your community

- Deployment and security scenarios are negotiable

- NGS policies (core nodes):
  - your portal can present its own, or a delegated user's credential to NGS, but tasks should be traceable to initiating end-user
  - you should not run your own services in user space without prior agreement of NGS and hosting site
    - we need to know that services are secure, will not jeopardise operation of other NGS services, or consume too much precious resource on head nodes

- Talk to NGS

Resource providers

Resource providers join the NGS by

- Defining level of service commitments

- Adopting NGS acceptable use and security policies

- Run compatible middleware
  - as defined by NGS Minimum Software Stack
  - and verified by compliance test suite

- Support monitoring and accounting

Two levels of membership

1. Affiliates run compatible stack, integrated support
2. Partners also contribute "significant resources"

More training?

- Watch http://www.nesc.ac.uk/training/events
- Also http://www.nesc.ac.uk/esi/esi.html

- Digital Library: http://egee.lib.ed.ac.uk/

- February – Application Development on the NGS

- TELL US WHAT YOU WANT !!!!
  - In future versions of this course
  - In application developer courses
  - …..
  - Email: training-support@nesc.ac.uk