



<http://www.grid-support.ac.uk>



<http://www.ngs.ac.uk>

Next Steps



JISC





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 what support services and procedures are provided by GOSC.



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
- Whilst these are being processed
 - Determine your options for running grid commands
 - Set up equivalent of `training-ui.nesc.ac.uk` for site / yourself?
 - Use `gssh` on windows?
- More training?
- Further information sources



Vital web sites



- National Grid Service
 - <http://www.ngs.ac.uk>
- Grid Operation Support Centre
 - Access via NGS page
 - www.grid-support.ac.uk
 - Through here find the UK Certificate Authority



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 AA talk and practical.

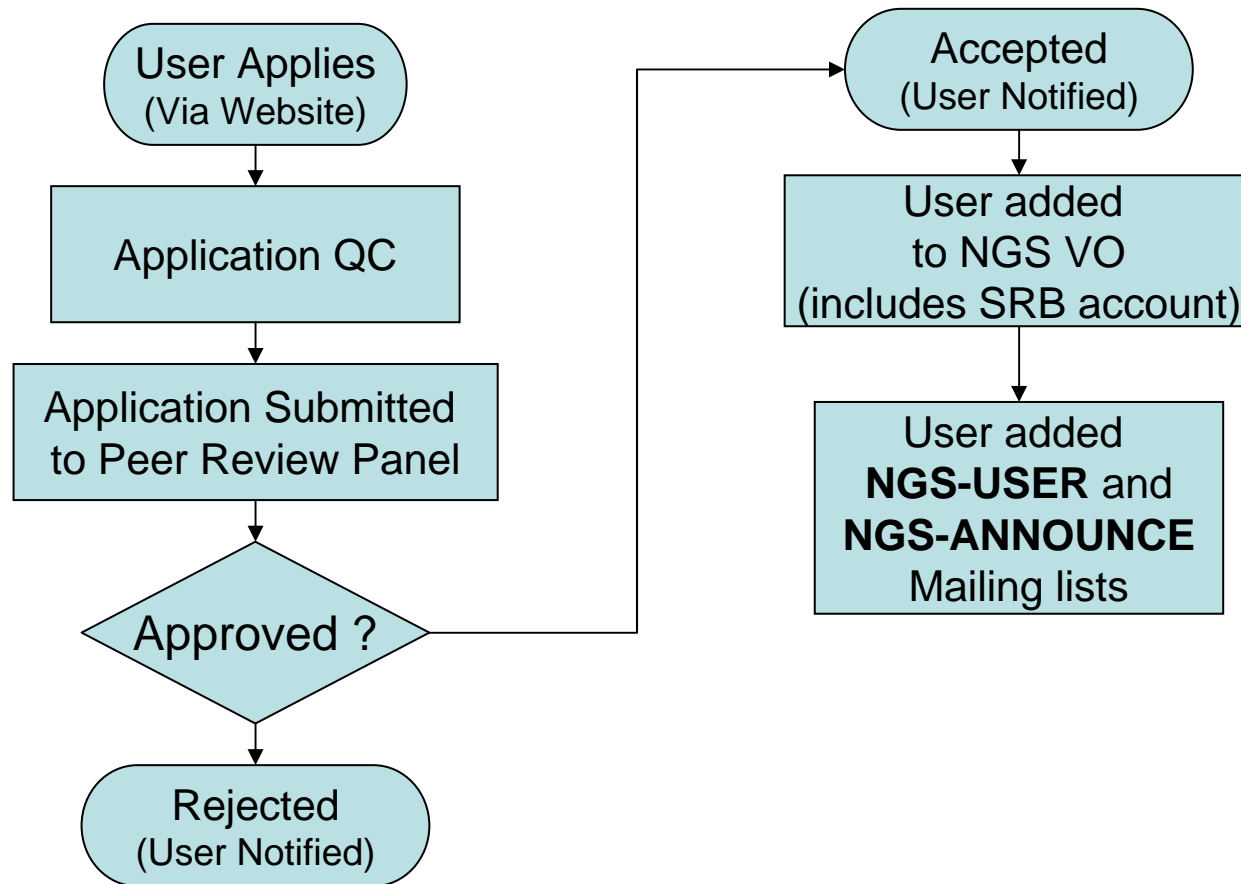


Apply for access to the NGS



- 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)





- With your NGS account, you get
 - SRB account
- Can apply for an Oracle account to GOSC



Projects and VOs



- Just need access to compute and data resources for users in your project?
 - Currently, mainly applications from individuals
 - project-based applications being dealt with case-by-case, as procedures are established
 - if in doubt, talk to GOSC!
- 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 GOSC!



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>
- Also <http://www.nesc.ac.uk/esi/esi.html>
- <http://egee.nesc.ac.uk/> for EGEE events and materials – repository.
- International Grid Summer School – July.
- **TELL US WHAT YOU WANT !!!!**
 - In future versions of this course
 - In application developer courses
 -



NeSC UK Training



- Establishing set of core courses:
 - Induction, sysadmin, application devel.,....
 - For EGEE (current and gLite), NGS
 - Cooperating with OMII
 - Fundamentals: WS, WS-RF
- In NeSC national role:
 - Building collaborations to support/co-deliver training with UK e-science centres and VO's
 - Establishing repository (for EGEE) and website <http://www.nesc.ac.uk/training>
- In NeSC's regional role, providing:
 - events in Scotland
 - Training and support for potential & current users of grids



Information Sources



WEB SITES



GGF – see GGF 16, Athens, March 2006

EGEE www.eu-egee.org

Training activity homepage: <http://egee.nesc.ac.uk/>

Roadmap: training events since the start of EGEE

<http://www.egee.nesc.ac.uk/schedreg/index.html>

LCG lcg.web.cern.ch/LCG/

NeSC www.nesc.ac.uk

The Grid Cafe www.gridcafe.org

• **More EU sites:**

• http://www.cordis.lu/ist/grids/fp6_grid_projects.htm

• http://www.gridstart.org/concertation_mtg.shtml

• EGEE User Forum

go via <http://public.eu-egee.org/>



UK websites



- National Grid Service <http://www.ngs.ac.uk>
- Grid Operations Support Centre
<http://www.grid-support.ac.uk>
- National e-Science Centre <http://www.nesc.ac.uk>
 - UK Training Roadmap <http://www.nesc.ac.uk/training>
- UK AHM - see 2005 proceedings and go to 2006!
 - <http://www.allhands.org.uk/>
- ALSO:
 - regional e-science centres – via NeSC pages
 - NIEeS, NCeSS, Arts and Humanities e-Research Centre, National Text Mining Centre