



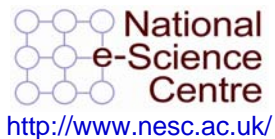
<http://www.grid-support.ac.uk>



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

MyProxy & the NGS Portal

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



<http://www.eu-egee.org/>



The Portal



<https://portal.ngs.ac.uk>

A screenshot of a Mozilla Firefox browser window displaying the NGS Portal login page. The browser's address bar shows the URL 'https://portal.ngs.ac.uk/'. The page content includes a 'Welcome!' message and the date 'Wednesday, 26 October 2005'. The main heading is 'NGS National Grid Service'. Below this, there is a 'Welcome' section with a text box containing the following text: 'Welcome to National Grid Service (NGS) Portal ! Existing users can log in using the form below, either using the MyProxy login or the portal account login. Feedback from NGS user's will be much appreciated. Please contact the administrator of this portal at [Grid Support Helpdesk](#) for any suggestions, bugs or improvements. To upload your personal credential into a MyProxy server, launch [MyProxy Upload Tool](#) via Java Web Start.' Below the text is a 'Login' form with two input fields labeled 'User Name:' and 'Password:', and a 'Login' button. At the bottom of the page, it says 'National Grid Service' and 'Powered By [Stringbeans](#)'. The browser's status bar at the bottom shows 'Done' and the URL 'portal.ngs.ac.uk'.

Induction to Grid Computing and the National Grid Service



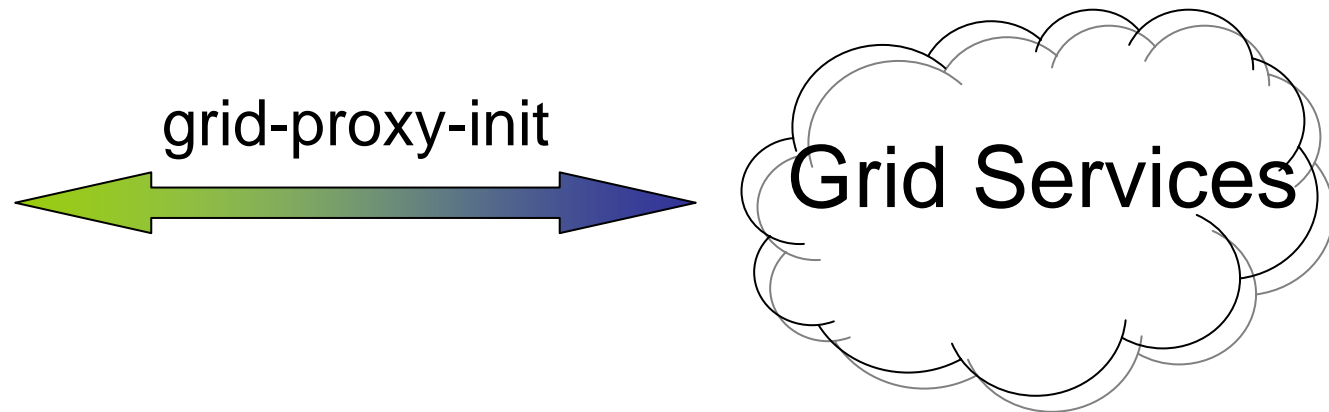


A Problem!



- How do I authenticate myself to the Grid Services?

Command Line Usage of Grid Services

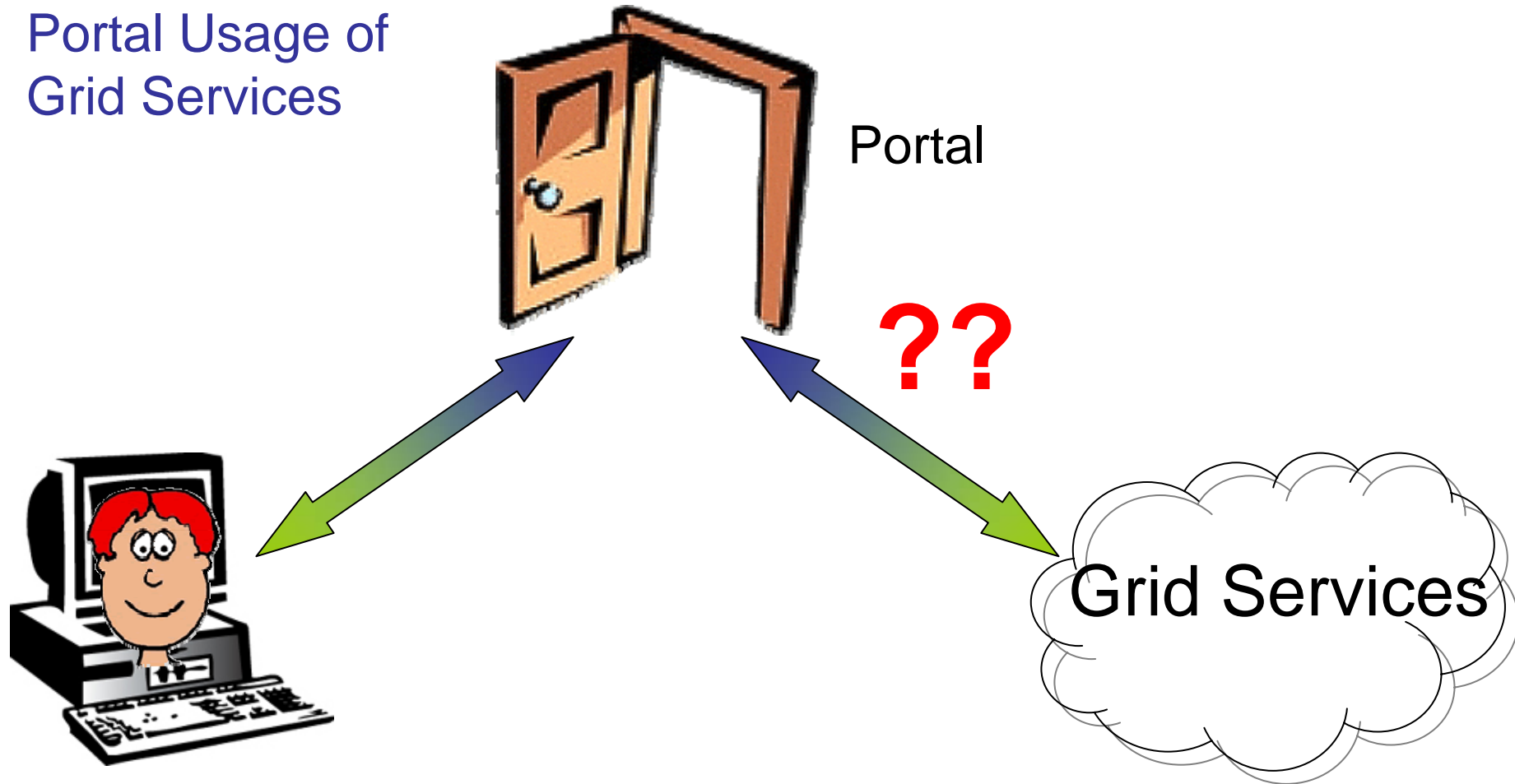




A Problem!



Portal Usage of
Grid Services





Solution: “MyProxy”



- Myproxy allows you to store a long-lived proxy in a “MyProxy repository” and derive a proxy certificate when needed.
- Allows you to:
 - Interact with a grid from many machines
 - And you realise that you must NOT, EVER leave your certificate where anyone can find and use it.
 - Use a portal, and delegate to the portal the right to act on your behalf (by logging in to an account that can make a proxy certificate for you)
 - Run jobs that might last longer than the lifetime of a short-lived proxy



Grid Authentication with MyProxy

