MyProxy - a brief introduction

“MyProxy”

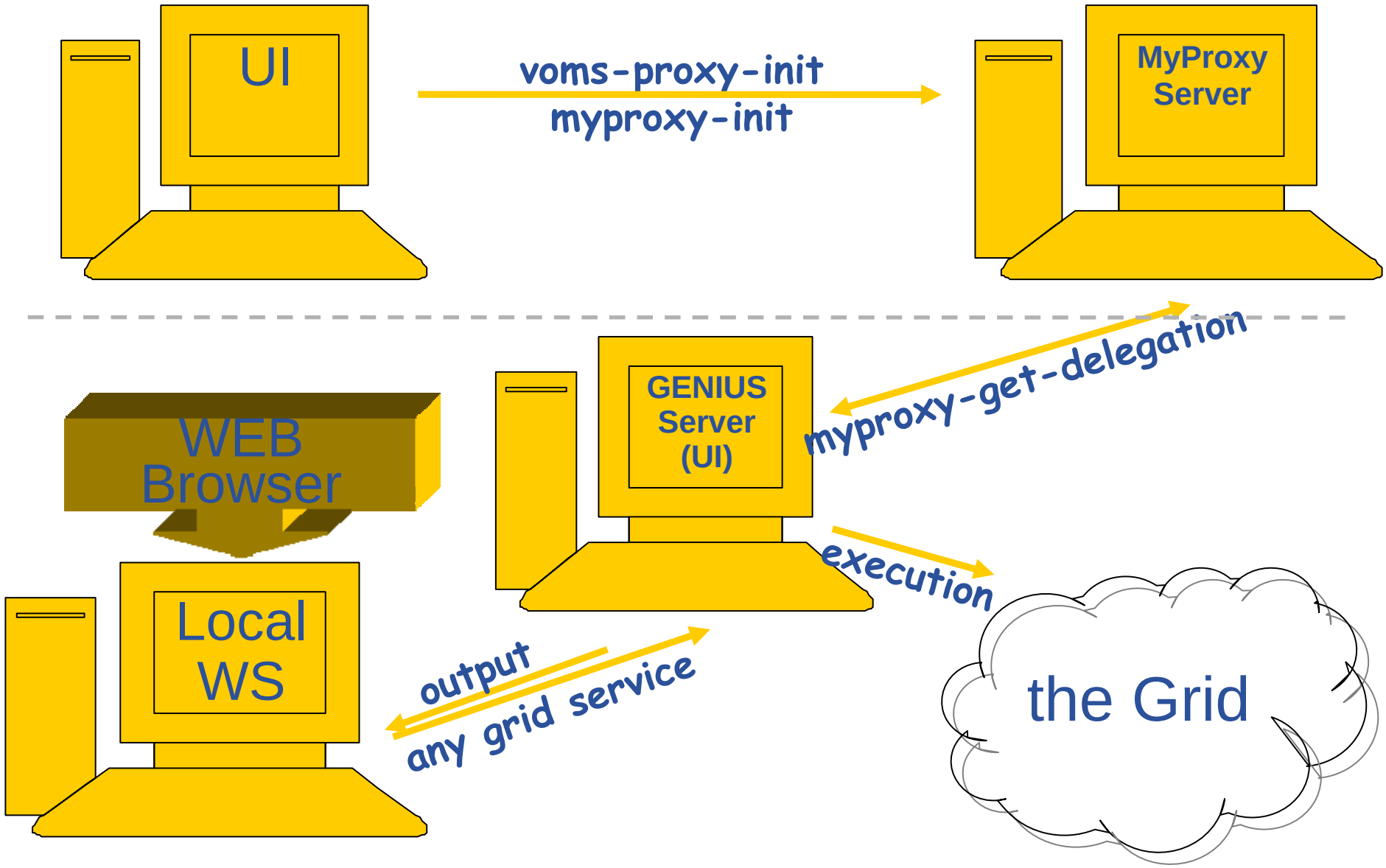
- **You may need:**
  - To interact with a grid from many machines
    - And you realise that you must NOT, EVER leave your certificate where anyone can find and use it…. Its on a USB drive only.
  - To use a portal, and delegate to the portal the right to act on your behalf (by logging in to an account that can make a proxy certificate for you)
  - To run jobs with run/queue times longer than the lifetime of a short-lived proxy – the new WMS will refresh the proxy on your behalf.

- **Solution: you can store a long-lived proxy in a “MyProxy repository” and derive a proxy certificate when needed.**

1. Destroy any existing proxy:
   voms-proxy-destroy
2. Register a proxy with the MyProxy server
   myproxy-init --voms gilda
   You will be asked to set a new pass phrase for this server
   Remember what you set!
3. To prove that you have no current proxy:
   voms-proxy-info –all
4. Obtain a proxy from the server:
   myproxy-get-delegation -s grid001.ct.infn.it
5. See that you do have a proxy now:
   voms-proxy-info –all
   Notice the siubject!
6. Go to the GENIUS portal and log on
   using the new pass phrase and your sofiaXX name
   https://glite-tutor.ct.infn.it/

For more information:
https://grid.ct.infn.it/twiki/bin/view/GILDA/MyProxyUse

Grid authentication with MyProxy



Use on Bulgarian Grid

Allow myproxy-init to issue proxies to WMS to allow execution of long jobs

- **-R : so the proxies are renewable by the WMS**
- **-d: force use of the DN (distinguished name, the full name in your certificate)**
- **-c: set the credential lifetime (in the MyProxy server) to 1 week, usually**
- **-t: define the lifetime fo the issued proxy – usually 12 hours**
- **Only some combinations of Resource Broker and MyProxy server work!**
  - Needs local knowledge

- **ALSO:**
- **The VOMS server will only issue 24 hour credentials!**
- **Current approach:**
  - the proxy in the myproxy server needs to be refreshed every 24 hours
- **Soon:**
  - The WMS will refresh the