



Gelexec on WNs and the environment

■ Problem 1)

- The pilot job runs on the WN in an environment that contains essential information concerning the site and grid services”
- When the pilot calls glexec to start the payload gelexec runs (for good reasons) in its own reduced environment.
- The payload is launched in an environment that lacks critical information for using the node in a grid environment
- This “missing environment” was discovered during the experimental service phase and experiments worked around it
 - The problem was seen as non critical..... And ignored
 - Now it came back



Solutions

■ Problem 1)

- Discussions between developers, sysadmins and UNIX experts

- E-mail one coordination phone call (not a conference)
- Agreement that the problem has to be addressed

This took half of the exchanges....

- Agreement that glexec should not be effected

- Solution:

- Perl script to be called before and after the glexec call

Several iterations of scripts had been created

- Instant peer review

Current status: Oscar won the battle of the scripts

ETICS build and tested against different shells

Patch expected by the 10th

Total of 4 scripts (Wrap, unwrap, hide the wrapping, examples)