eGee

Enabling Grids for E-sciencE

glexec on WN.

John White, Helsinki Institute of Physics.
EGEE-II JRA1 Deputy Middleware Manager.
on behalf of security cluster

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Information Society

- Security review of glexec code
- Performed "in-house" but independently by two JRA1 security developers.
  - Andrei Kruger (UH.HIP), Alexander Yu (KTH)
- Started Oct 23rd. Ended Nov 5th.
  - **No major security issues found.**
  - Error handling of dynamic memory allocation.
  - Main code too large. Some dead functions?
  - Freeing memory? glexec short-lived code...
  - Environment variables could be tampered through config file.
- Results have been passed to developer, SCG and GSVG.
- We would now like this passed to some system administrators for field testing.

- "gLExec-on-WN needs to be certified and included in the list of rpms for the WN."
- Steps needed:
  - Add the syslog capability for glexec logging. (in progress)
  - YAIM configuration for the three modes: null, logging; full
- **Note: logging mode STILL needs an LCAS/LCMAPS call.**
- Certification should proceed after system admin OK.

- "YAIM needs to configure gLExec and LCAS/LCMAPS to understand and authorise gLExec."
- CE is a far more controlled environment.
- Defined in glexec.conf.
  - Whitelist of accounts(s) authorized.
  - Otherwise determined at compile-time (def. glexec).
- YAIM confguration on the list.