



EUROPEAN MIDDLEWARE INITIATIVE

Security PT gLite Security Year-2 plans

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gLite Security products

- Base infrastructure services
 - trust manager
 - delegation-Java
 - Common Authentication library use
- Site Access Control services
 - gLExec
 - LCAS/LCMAPS, plug-ins, and system interfaces (PAM)
- Privacy and Confidentiality
 - Hydra secure storage
 - Pseudonymity service

Base components plans for Y2

- Trust manager
 - on support status, with help given to move customers to the common authentication library
- Delegation (Java)
 - engineering improvements through unit tests, service-based certification tests, code polishing & docs
 - support for proxy extensions and limited proxies
- Common Authentication Library use in gLite
 - Java version replaces gLite T.M. and Util-Java in due time
 - ... *C-version time line is dependent on resource availability*

Site Access Control in Y2

- gLExec – *throughout Y2*
 - fully supported and developed component
 - with increased deployment new requirements appear and thus needs new development (in gLExec or LCMAPS)
- LCAS/LCMAPS – *PM 15..21*
 - convergence of code in all of LCAS, LCMAPS and **EES**
 - reduce code via common AuthN library ... where relevant
- System interfacing with PAM modules – *PM 15..18*
 - provide PAM modules to talk to Argus
 - leverage PAM from gLExec where possible (*needs study*)

Confidentiality Services in Y2

- Hydra *by June – July 2011*
will be released in an EMI-1 update cycle
 - engineering cycle needs new tests & documentation
 - address results of a code vulnerability assessment
 - generalise beyond gLite-specific data management clients
 - opening of API by documentation already ongoing
- Pseudonymity Service *by September 2011*
 - refactoring to generalise beyond SLCS and now-unsupported dependencies
 - engineering cycle and comprehensive certification

Code sustainability plans

- Possibility to reduce number of components limited
 - gLite Trust Manager and Util-Java by Common AuthN
 - gLExec is well suited to Grid environment and cannot justifiably be replaced
 - LCMAPS (and LCAS) have too wide-spread use beyond a single PT (and beyond EMI), and by EGI and others
- Reducing code and complexity is feasible
 - code convergence in LCMAPS and EES
 - leveraging new common AuthN & Attribute libraries
 - limiting use of LCAS and dependency thereon (using Argus)



Thank you!

EMI is partially funded by the European Commission under Grant Agreement RI-261611