



Enabling Grids for E-science

# Security Command Line Tools

*C.Witzig, SWITCH*

*christoph.witzig@switch.ch*

[www.eu-egEE.org](http://www.eu-egEE.org)



- **Goal: A set of useful command line tools for site admins**
  - Not user
  - authZ recommendation #3, OSG-EGEE coordination meeting
- **Document at <https://edms.cern.ch/document/931846>**
- **General remarks:**
  - Should be simple
  - Clearly differentiate between commands that
    - *Make changes (with option --noaction)*
    - *Do only return information*
  - API specs may have to be modified during implementation
- **Prioritization for EGEE done**

- **ca\_manage: managing CA repository**
  - medium priority
  - no time line
  
- **authz\_check: given a credential, return authZ answer (permit/deny/undetermined)**
  - priority high
  - to be implemented with new authZ service
  - Reason: non trivial amount of work

- **cred\_mapping: mapping of a credential to UID/GID(s)**
  - Priority: high
  - Two implementation:
    - Simple: Script by M.Litmaath, that returns pool account info given the DN or vice-versa. ML is willing to expand it.
    - Full set with new authZ service
  
- **cred\_cleanup: finding and removing credentials associated with crashed jobs**
  - Priority: low
  - Time line: none

- **wms\_info: returning information about assignment of credentials to shares:**
  - Priority: low
  - Time line: none
  - Reason: glite-wms-job-list-match
  
- **ban\_user: banning a user/DN/FQAN**
  - Priority: high
  - Time line: with the new authZ service
  - Reason: new authZ service is sufficiently close such that another effort is not justified

- **task\_removal: Given a credential find currently running jobs (and optionally remove them)**
  - Priority: high
  - Two possible implementation:
    - Simple one based on cred\_mapping (for only DN)
    - Full version with new authZ service
  - Note: 2 parts: authZ and batch system
  - NOTE: need “volunteer” to write batch system part.
  
- **check\_connection: new - courtesy of J.Keijser**
  - A script which verifies the openssl handshake to a service and returns success or failure with a meaningful reason
  - J.Keijer volunteered

- 1. Banning tool and authZ check to be introduced with new authZ service**
- 2. Cred\_mapping and connection\_check assigned (courtesy of ML and JK)**
- 3. Volunteer needed for task\_removal**