Summary of Security Area

John White for Security Area

Security Area

- Security Area Session.
- Common AuthN libraries plenary session
- STS Workshop.
- Common AuthN libraries Workshop.
- DJRA1.3.3 status.

- What remained of the schedule?
  - PT status reports
  - **Common Authentication Libraries**
  - **STS**
  - **Argus-EES**
  - Moonshot Demo (WS parallel session?)
  - Support after EMI
  - Tech Objectives from DJRA1.3.3

- Krzysztof Benedyczak, Joel Casutt, Joni Hahkala, Daniel Kouril, Henri Mikkonen, Marcel Poul, Mischa Sallé, Owen Synge, Weizhong Qiang, Valery Tschopp, John White.

- C/C++/Java versions.
- Open issues.
  - Online Certificate Status Protocol (OCSP)
    - ▶ Implemented in C/C++/Java.
    - ▶ Timeout default for a responder needed from a site?
    - ▶ OpenSSL connection to OCSP responder optional. vs. signed response.
  - Truststore (CA) updates OK. PKI not lodaded to memory.
  - .namespace and .signing_policy supported by each version.
  - Output DN format RFC and/or OpenSSL?
    - ▶ Provide a flag for RFC/OpenSSL.
    - ▶ Need to support already-populated ACLs.
  - Any changes in API?
    - ▶ Java: many small insignificant changes.
    - ▶ C: No big changes.
    - ▶ C++: minimal. flags to enforce OCSP or not?
  - Common error messages: all versions.
    - ▶ C++: Need to verify codes.

- First to concentrate on the Username/Password to X.509 case.
- "First" client integration to UNICORE.
- Also parallel session and after this talk.
- Demo (successful!) of WS messages to obtain a credential from online CA.
- Open issues.
  - Is there existing (Java) code for voms-proxy-init?
    - Yes. Java code and RESTful interface also.
  - Private key to stay in client or not?
    - Private key stays on client.

- Status of Argus-EES.
- Works with Argus PEPd. Argus EES PEPd obligation handler.
- Argus EES (and PEPd obligation handler) installation and configuration. (works)
- Can Argus-EES give a reply to eg. CREAM?
  - It's the Argus PEPd that gives response.
- Need to re-do OpenNebula plugin.
- Interest in network plugin: e.g. VLANs
- OpenStack plugin
- Rework LCMAPS plugins into EES plugins?
- Proper profile of EES obligations.

- Presented Wednesday morning...
- Questions:
  - Implements Java keystore?
  - Attribute certificate support?
  - Python support?
  - Messaging and encryption?
  - Trustmanager integration with CANI?
- Continued in the parallel session.

- Lots of discussion and some questions..
    - Some questions on VO policies wrt STS and VOMS.
- See the slides to follow... after coffee?

- Plenty of questions..
  - p12 certificate support? OSG and globus?
  - Enumerated the list of components that will/won't migrate
  - Examples of how to use C CANI to do some tasks.
  - Ran out of time for Java/C++ specific examples etc (sorry!). Slides available.
- It's clear that majority of EMI components will migrate.
- The Java/C/C++ versions are in good shape.

Component	Languages	Comment
VOMS	Java/C	yes for Java; less probable f
ARC-all	C++	yes
gLite Trustmanager	Java	According to Joni: yes, but v
gLite L&B	C	yes
GridSite	C/Java	rather yes in both cases
Proxy Renewal	C	if there is enough time (low
UNICORE-all	Java	yes
dCache	Java	The problem is that dCache
gLexec, LCMAPS etc	C	No. Except of new developm
glite FTS	C++	??
glite CREAM	Java	yes, minor changes as integ
glite WMS	C++ (uses gridsite)	see gridsite C
Argus	Java/C	yes via trustmanager&voms
Pseudonymity Service	Java	yes via trustmanager&voms
STS	Java	yes, canl used from beginni
Hydra	C/Java	Yes

- Document now written.
  - Internal review within Security Area passed.
  - Two rounds of review (SA1/SA2)passed.
  - Status of DJRA1.3.2 tasks can be seen in document.