

Security Cluster Status.

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- **Components status.**
- **Restructuring.**
- **Security sub-system**

- General maintenance and bug-fixing work.
- Work to support both Axis 1.2 and 2.3 (maybe 1.4 also) done.
- “bouncycastle” issue fixed (v. 1.37 jdk1.5).
- Namespace checking implemented by Alex Yu, being integrated.
- Overhauling trustanchor (CA and CRL) handling.
- For Util-java dependency on test-utills removed.
 - Test-utills removed from build (rolled back version contains it).

- In general, stable.
- Site-central LCMAPS service (SCAS) underway.
 - New plugin for SCAS client.
 - Still subject to AuthZ study/report/TCG.
- Circular dependency fixed in ETICS.

- Also in general, stable.
- Mostly work now on glexec error codes and logging.
 - Error of glexec separable from invoking command.
 - Finer grained error codes.
 - Logging to syslog.
- New release to VDT (1.8.1h).
 - glexec-osg 0.4 (glexec 0.5.22.0, lcas 1.3.7 and lcms 1.3.15.1)
 - Used at Fermilab on WNs for months now.
- glexec has been tested with LSF CERN.
 - Only minor issues with cleanup scripts.
- glexec tested with PBS NIKHEF??
 - See later talk by David G.

- VOMS: general progression of versions.
 - 1.7.24 in production.
- VOMS roadmap to globus-less state more clear:
 1. Server capable of GSI and SSL (1.8.0).
 2. Clients OpenSSL-only (1.9.0).
 3. Server OpenSSL-only (2.0.0).
- VOMS 1.8.3 under certification.
- VOMS-Admin.
- Now we have two versions:
 - VOMS Admin 1.2.19-3-0 (client 1.2.16-1, interface 1.0.5-1, server 1.2.19-3)
 - 2.0.x (x \approx 13) SLC4 gLite. **(Being Certified)**
 - Discussions to move VOMS Admin 2.0.x to VDT underway.
- VDT handling the 1.2.x version.

- SLCS: Short-lived Credential Service.
 - In CVS, stable.
 - Being used as a basis for Pseudonymity service.
 - Need to produce a “Savannah Patch” for certification..
 - ▶ Done. Added to SA3 certification list.
- VASH: VOMS Attributes from SHibboleth.
 - In CVS, stable.

- Developer Testing with CREAM.
- Developed new test classes to support SAML2-XACML2 protocol.
- Developed a XACML2-SAML2 support library. Supports:
 - Basic XACML policy and context XML construction.
 - OASIS SAML 2.0 Profile of XACML.
 - Some basic XACML Obligation handling mechanics.
- Library to support the requisite XML messages used by components such as gJAF.
- Delivered to Internet2 mid-January.
- XACML profile document created along with OSG/Globus.

- Key splitting algorithm integrated to Hydra client.
- Prototype for Biomed shown at User Forum.
- HIP will have responsibility for MDM/Hydra in EGEE-III.
 - Handling some bugs now... **Unfunded effort.**

- Restructuring finished Dec 14th 2007.
 - VOMS: Removal of Globus dependencies for TLS/SSL.
 - VOMS-Admin: Adoption of Hibernate/Struts.
Removal of lib/ZSI in works.
 - LCAS/LCMAPS: circular dependency removed. Affected dependency to other components (glexec/WMS).
 - Trustmanager/Util-Java: Bouncycastle/Axis versions advanced.
 - Delegation: Unused dependencies removed. gsoap version advanced.

Test of capability: can we move to gsoap 2.7.10?

- Oscar/Håkon/Yuri/Valerio/Alberto/Chad.
- SAML2-XACML2 interop C library delivered.
- SCAS client code under testing.
- LCMAPS plugin in CVS.
- Server side code:
 - Still underway..
 - Multiple thread handling still needs some action.
- SAML2-XACML2 interop Java extension code.
 - Delivered to Internet2 Jan 18th.
- Interoperable with C library.
- XACML profile document ready.

- Problem: Our configurations have out-paced deployment.
- eg. WMS/LB components for certification depend on uncertified version of VOMS.
- Short-term solution: roll back security sub-system configuration (69 → 57).
- Longer-term solutions:
 - Build back from older sub-system configuration.
 - Split up the security sub-system. eg:
 - ▶ LCAS/LCMAPS, VOMS/VOMS-Admin, Trust-Manager/Util-Java?
 - ▶ Other components?

- Security components:
 - Responding to requests rather than new features.
 - Requested restructuring work finished.
- Authorization services work underway.
 - Subject to review from TCG.
- Security sub-system changes?.
 - Part of overall build philosophy changes.



Lightweight Middleware for
Grid Computing

As of 15/02/08

bcprov-jdk14 v. 1.22

org.glite.rgma.services	glite-rgma-services_R.5.0_49_1	B
org.glite.rgma.server-servlet	glite-rgma-server-servlet_R.5.0_49_1	B
org.glite.data.transfer-fts	glite-data-transfer-fts_R.3.3_2_2	B
org.glite.security.delegation-java	glite-security-delegation-java_R.1.4.4_1	B
org.glite.amga.api-java	glite-amga-api-java_R.1.3.0_pre2	BR
org.glite.security.delegation-service-java	glite-security-delegation-service-java_R.1.2.1_1	B
org.glite.security.voms-admin-server	glite-security-voms-admin-server_R.2.0_9_1	B
org.glite.security.voms	glite-security-voms_R.1.7_24_1	B
org.glite.e2emonit.netmon2rgma	org.glite.e2emonit.netmon2rgma.2.3	BR
org.glite.data.hydra-service	glite-data-hydra-service_R.1.3.0_1	B
org.glite.ce.common-java	glite-ce-common-java_R.1.7_13_1	B
org.glite.apel.core	glite-apel-core_R.2.0_9_1	BR

As of 15/02/08

bouncycastle v. 1.37 jdk 1.5

org.glite.slcs.server	glite-slcs-server_R.1.0.0.2	B
org.glite.security.vash	glite-security-vash_R.1.0.0.1	B
org.glite.security.util-java	glite-security-util-java_R.1.3.9.1	BR
org.glite.rgma.stubs-servlet-java	glite-rgma-stubs-servlet-java_R.5.0.10.2	BR
org.glite.security.trustmanager	glite-security-trustmanager_R.1.8.13.1	BR
org.glite.slcs.common	glite-slcs-common_R.1.1.1.1	BR
org.glite.slcs.ui	glite-slcs-ui_R.1.1.1.1	BR