

SA1.5 Plans 2013 Accounting

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- The APEL Accounting Repository and Portal were kept working reliably throughout 2012. Operating System upgrades were also carried out successfully.
- The new SSM-based APEL Accounting Repository was brought into service in June 2012, this has established a stable method for other accounting implementations to interface their different solutions with central accounting.
- Other sites producing accounting data requested a change to the messaging protocol used in SSM 1.2 and a new accounting protocol was produced in collaboration with these teams which has been implemented as SSM 2.0.

- New Accounting Portal codebase and repository
- Extension and maintenance of VO Manager views
- Accounting Portal report improvements:
 - InterNGI usage reports
 - New user record breakdown by country, with unknown DN detection
- Changed HTML interface from frames to CSS based:
 - PDA & Mobile support

- SSM and associated record loading/unloading methods created for publishing CPU accounting records were modified to collect new types of accounting record:
 - Cloud Accounting records. Eight resource providers participating in the EGI Federated Cloud Task now publish cloud accounting records
 - Storage accounting database has been installed and initial testing carried out to receive storage records (StAR)
 - Application Accounting package being developed in Hannover and the same method will be used to send/receive application accounting records.

Milestones not accomplished

- Regional APEL Server work was delayed while the SSM protocol was revised (to be used in Regional APEL server).
- Regional APEL Server rescheduled for release in 2013

- EMI-APEL client will be released as part of EMI 3 (Q1):
 - Uses EGI Messages Brokers and SSM 2.0 for communication between clients and the APEL Accounting Repository
 - Includes support for accounting for local jobs
 - Support for MPI accounting
- Final external APEL client migrated to the new SSM based accounting repository (Q1)
- Regional version of the APEL Accounting Repository released for testing in Q1. Scheduled to release in production in Q2.
- Create Storage Accounting summaries to send to portal (Q3)
- Test Application Accounting repository installed. (Q3)
- Implement publishing summaries from Accounting Repository to other sites (OSG, DGAS) in Q4

Throughout 2013:

- Work with APEL client sites to migrate to EMI APEL 3
- Work with sites running SSM 1.2 CPU Accounting to migrate to SSM 2.0
- Work will continue with sites running alternative accounting clients who will use SSM to send their records to the Accounting Repositories.

Plans for 2013

- Cloud Accounting Portal receiving summaries from EGI FedCloud Accounting repository, using SSM/EGI Message Brokers (Q1)
- Regional Accounting Portal for sites running Regional APEL Server (Q1)
- XML endpoints generalization and improvement (Q1)
- Storage Accounting Portal (Q3)
- New production releases every 6 months