

AIDA Fifth Technology Forum

WP6 Reports

WP6: Reprise

- Evolution of VObs interoperability standards
- Joint Research Activity (JRA)
- UEDIN
- Investigate compliance testing of Euro-VO Registered resources
- Co-ordinate and document prototypes and standards
- Cover standards not addressed in WP7 (Data Access Layer, Data Models and VOQL)

WP6: Objectives

- To decide what technical standards and protocols are required for Euro-VO
- To bring forward these requirements to the IVOA
- To develop drafts of these standards
- To develop prototype software implementing the draft standards
- To make all possible effort to conclude international agreement on the necessary standards
- To ensure that deployments within Euro-VO are compatible with IVOA standards.

WP6: Deliverables

- D6.1 (Month 15 - April 2009, UEDIN and other WP6 participants): WP6-JRA1 intermediate report and associated prototypes
- D6.2 (Month 27 - April 2010, UEDIN and other WP6 participants): WP6-JRA1 final report and associated prototypes

WP6: Work Teams

- Applications
- G&WS
- Resource Registry
- Semantics
- VO Event
- VOTable
- Theory
- Data Curation & Preservation

Applications

- Talk from Mark
- SAMP
 - No major changes to the protocol either completed or in the pipeline
 - One or two issues remain to address some time in the future (e.g. SAMP invocation from web pages)
 - New/modified SAMP MTypes for registry identifier exchange proposed by VODesktop
 - Adoption of these by some tools expected in the next period
 - SAMP is being adopted elsewhere, for instance within HIPE (Herschel Interactive Processing Environment)
 - No perceived need for additional application-specific standards, within either AIDA or IVOA

G&WS

- Talk from Paul
- Security
 - Credential Delegation Protocol now an IVOA Recommendation (18 February 2010)
 - Provides a mechanism for the user to upload a "proxy" of the certificate to the server
 - Defines a REST service that works alongside other IVO services to enable such a delegation in a secure manner
 - Describes how a delegation service is registered in an IVOA registry along with the services it supports
 - Explains how one can determine from a service registration that it requires the use of a supporting delegation service

G&WS

- VOSI
 - IVOA Support Interfaces (VOSI) standard still being developed
 - <http://www.ivoa.net/Documents/latest/VOSI.html>
 - Stuck in “Panama Canal”?

G&WS

- VOSpace (& iRODS)
 - Development of the VOSpace/iRODS prototype continued. Presentations were give at:
 - iRODS workshop @ CC-IN2P3
 - Interoperability of Digital Repositories
 - Work has focused on the robustness of the implementation
 - Further work investigating the use of the cloud has been undertaken

Registry

- Covered in WP3 talk

Semantics

- Vocabularies and Ontologies
 - [IVOA Vocabularies document 1.19](#) now an IVOA Recommendation (07 October 2009)
 - [Technical Note on Object Types ontology](#) published (latest version: 03 March 2010)
 - New vocabularies implementation will stem now we have the Vocabularies Recommendation

Theory

- Talk from Patrizia

Data Curation & Preservation

- No significant changes since last Tech Forum, remaining:
 - Low volume activity
 - Mostly a watching brief
 - Plan to be ready to respond as appropriate
 - No explicit plans at the moment

VOTable

- Version 1.2 now an IVOA Recommendation (30 November 2009)
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