

RAL (STFC) Status and Plans

Steve Fisher / RAL SA3 All Hands Prague, 5-7 November 2008

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- People Steve Fisher, Antony Wilson, Alastair Duncan (all 0.5)
 - Alastair has moved on we should take on someone else very soon.
- Team is roughly half on SA3 and half ("unfunded") on JRA1
 - So far most effort has gone into JRA1
 - R-GMA patch (major refactoring from EGEE-II) rejected by TMB (*!?**"<>)
 - Patch now given to TCD (non-SA3 hat of course) to "certify"
 - Effort now moved on to SA3



Workplan overview

Enabling Grids for E-sciencE

Work in SA3

- Complete and release the SAGA conforming SD API with LDAP plugin
 - Service discovery is an API to select services based on various critera (service type, site, role of user ...).
 - Makes use of service information in GLUE1 but in GLUE2 the info is more distributed.
- Develop another API able to reach the other metadata not covered by existing SAGA spec.
 - The idea of this is to be able to navigate from a selected service within the service data (presumably GLUE 2?) as exposed by the information system and not by contacting services. It will hide the underlying implementaion of the data model (ldap, relational, xml etc.)
 - Antony is leading this work
 - A GUI may be developed at the same time mainly for public relations



Workplan details

Enabling Grids for E-sciencE

- Finalise Service Discovery spec within OGF

- Nov 30 2008
- Produce C++ SAGA Service Discovery API as defined by OGF



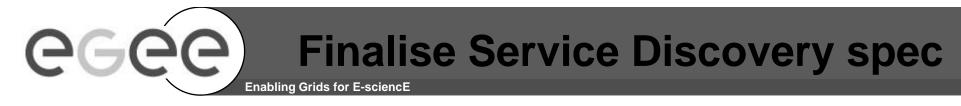
- Dec 31 2008
- Produce Python SAGA Service Discovery API as defined by OGF
 - Dec 31 2008
- Produce BDII plugin in C++ (Python is covered by C++) for SAGA Service Discovery



- Jan 31 2009
- Produce Java SAGA Service Discovery API as defined by OGF
 - Feb 28 2009
- Produce BDII plugin in Java for SAGA Service Discovery
 - Mar 31 2009
- Gather Use cases and requirements from users and services on access to other service information. (To include discussion at the UF in Catania)



- Mar 31 2009
- Define an extended (or new) API specification which meets these requirements (to be endorsed by the TMB)
 - May 31 2009
- Provide packaged implementations with tests of the API and CLI
 - Aug 31 2009
- Test to production readiness the API and CLI, ensuring that the API meets the performance requirements from the Use Cases
 - Dec 31 2009



Finalise Service Discovery spec within OGF

- Due: Nov 30 2008
- It is based on 3 filters (service, data and authz). The last is causing a lot of discussion.
- SAGA is supposed to be simple (the "S").
 - Would like SD API to be usable by middleware components.
 - The LCG authz is not simple.
 - Much discussion with Stephen Burke and others.
 - End is in sight ^③



C++ SAGA Service Discovery API

Enabling Grids for E-sciencE

- Produce C++ SAGA Service Discovery API as defined by OGF
 - Due: Dec 31 2008
 - Status: Code exists for the existing prototype spec some updates will be needed once the spec modifications are agreed.



Produce BDII plugin in C++

Enabling Grids for E-sciencE

- Produce BDII plugin in C++ (Python is covered by C++) for SAGA Service Discovery
 - Due: Jan 31 2009
 - Status: Extensive modifications anticipated to cope with the new and more fine-grained authz specification.



Gather Use cases

 Gather Use cases and requirements from users and services on access to other service information. (To include discussion at the UF in Catania)

Due: Mar 31 2009

 Status: No work yet – but will start early to make sure we understand users' perceived needs in good time. Hope to get most input before Catania OGF/UF.



Conclusion

• Our work is just beginning ...