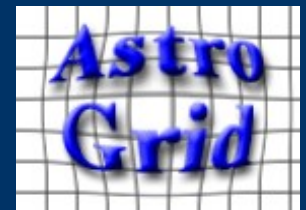


Registry

Kevin Benson

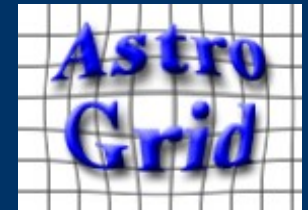
kmb@mssl.ucl.ac.uk

Astrogrid-MSSL



Summary

- Definitions
- Standards
- Registry Matrix
- Registry of Registries
- References



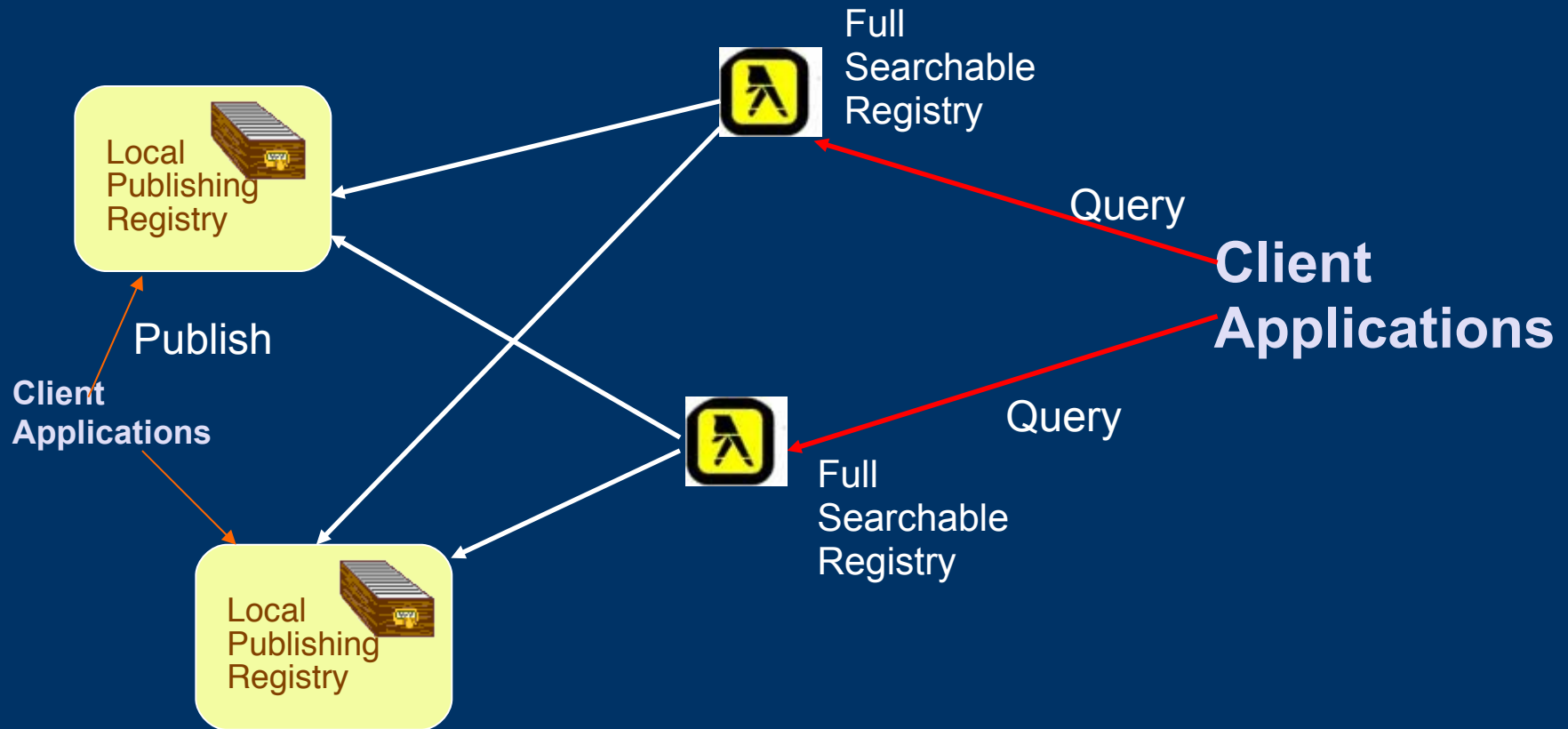
Definitions

- Definition: The IVOA Registry will allow an astronomer to be able to locate, get details of, and make use of, any resource located anywhere in the IVO space, i.e. in any Virtual Observatory. The IVOA will define the protocols and standards whereby different registry services are able to interoperate and thereby realise this goal.
 - Publishing Registry – A Registry that holds xml resources managed by your authority id's. And is harvestable by Full Registries. Does not require a Query interface, but typically has one.
 - Full Registry - A Registry that holds all xml Resources. Has a Query and a Harvest Interface.
 - Reference: <http://www.ivoa.net/twiki/bin/view/IVOA/IvoaResReg>
-
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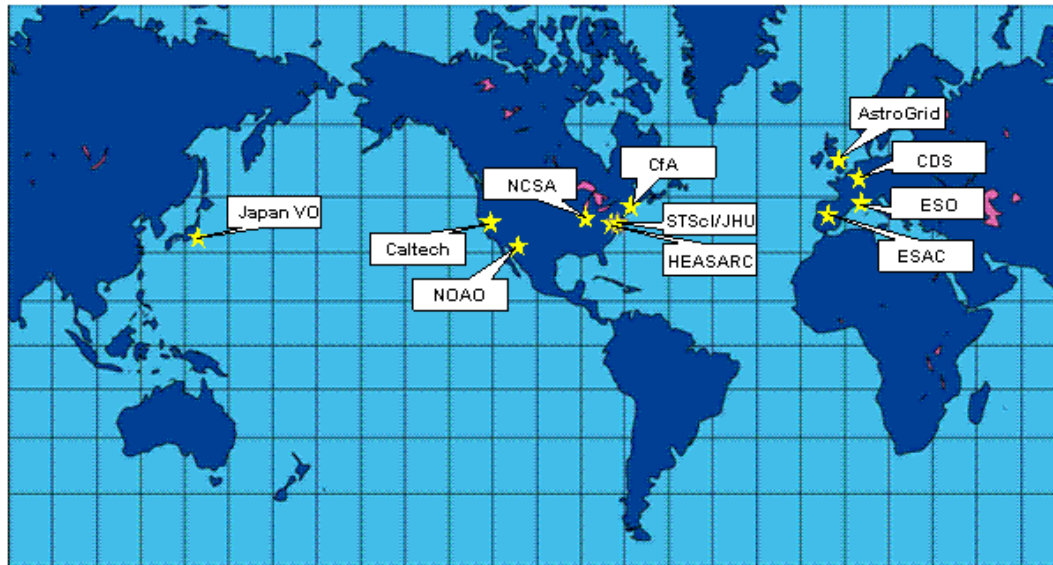
Standards

- Resource Schema and extensions
 - Identifier (ivo://...) primary key. e.g. ivo://uk.ac.le.star/service/filemanager
- Interface (Search and Harvesting)
 - Search
 - Search(ADQL)
 - KeywordSearch(keywords, boolean and, from, max)
 - XQuerySearch(xquery)
 - GetResource(ivo:// string)
- Harvesting Interface
 - Harvesting
 - Based on OAI (Open Archives Initiatives)
 - ListRecords with set ivo_managed

Registry Communication Model



Registry Matrix



Registry of Registries

- RofR – Discovery of Registry and a Validation service
- <http://rofr.ncsa.uiuc.edu>
- <http://rofr.ivoa.net/regvalidate/regvalidate.html>



References

- <http://www.ivoa.net/Documents/>
<http://www.ivoa.net/xml/index.html>
 - <http://vops1.hq.eso.org:8080/registry>
username: registry
password: test
-
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