

Registry

VAMDC PMI

April 2010



Registry is...

- A database of metadata
- A web service
- Governed by IVOA standards
 - Schema of registration documents
 - Query interface

Registry contents

- XML documents, one per registered resource
- Typically, one per service
- Hierarchy of types

Resource names

General form:

`ivo://authority/resource/key`

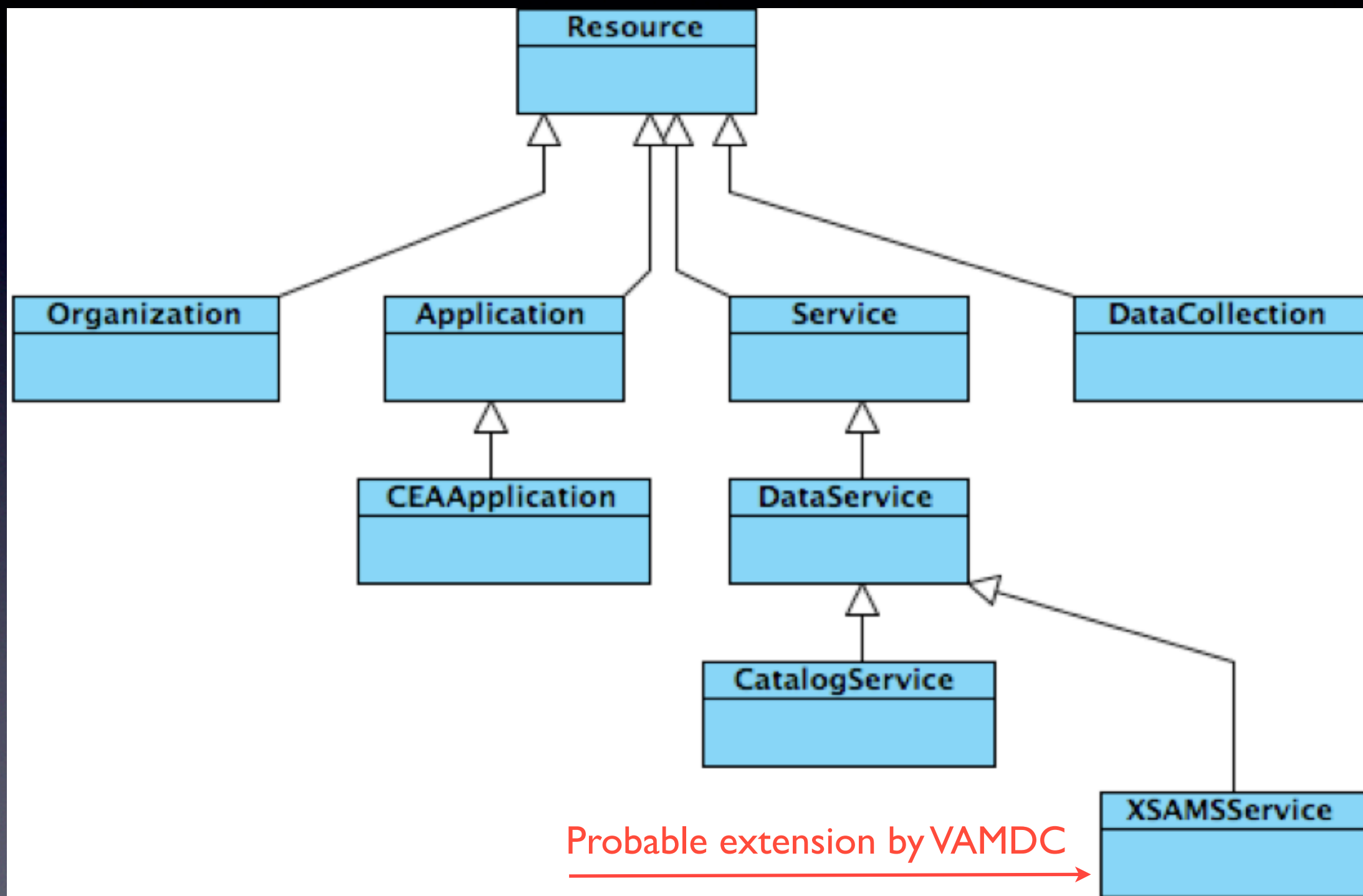
e.g.

`ivo://vamdc/vald`

`ivo://vamdc/SMPO`

`ivo://vamdc/OA-Cagliari/PAH`

Resource types



Probable extension by VAMDC

VAMDC registry

- Currently one registry installation, at MSSL
- Web UI of registry:
 - http://registry.vamdc.eu/vamdc_registry
- SOAP query service of registry
 - http://registry.vamdc.eu/vamdc_registry/services/RegistryQueryv1_0
- Note DNS alias - access URL will not change if registry is moved

Demo I

Browsing the registry with
its own web-UI



Registration

- You need a password to register stuff - email Kevin Benson kmb@mssl.ucl.ac.uk
- Registration starts at registry's web UI
- Type human-readable stuff directly into registry UI
- Then get service operational details from service via VOSI - invoke this from registry UI



Demo 2

Registering a DSA/Catalogue installation

Registry search web-service

- SOAP search-service
 - http://registry.vamdc.eu/vamdc_registry/services/RegistryQueryv1_0?WSDL
- SOAP = 
 - use ready-made client library
 - <http://software.astrogrid.org/doc/p/registry/2009.1/client/index.html>