

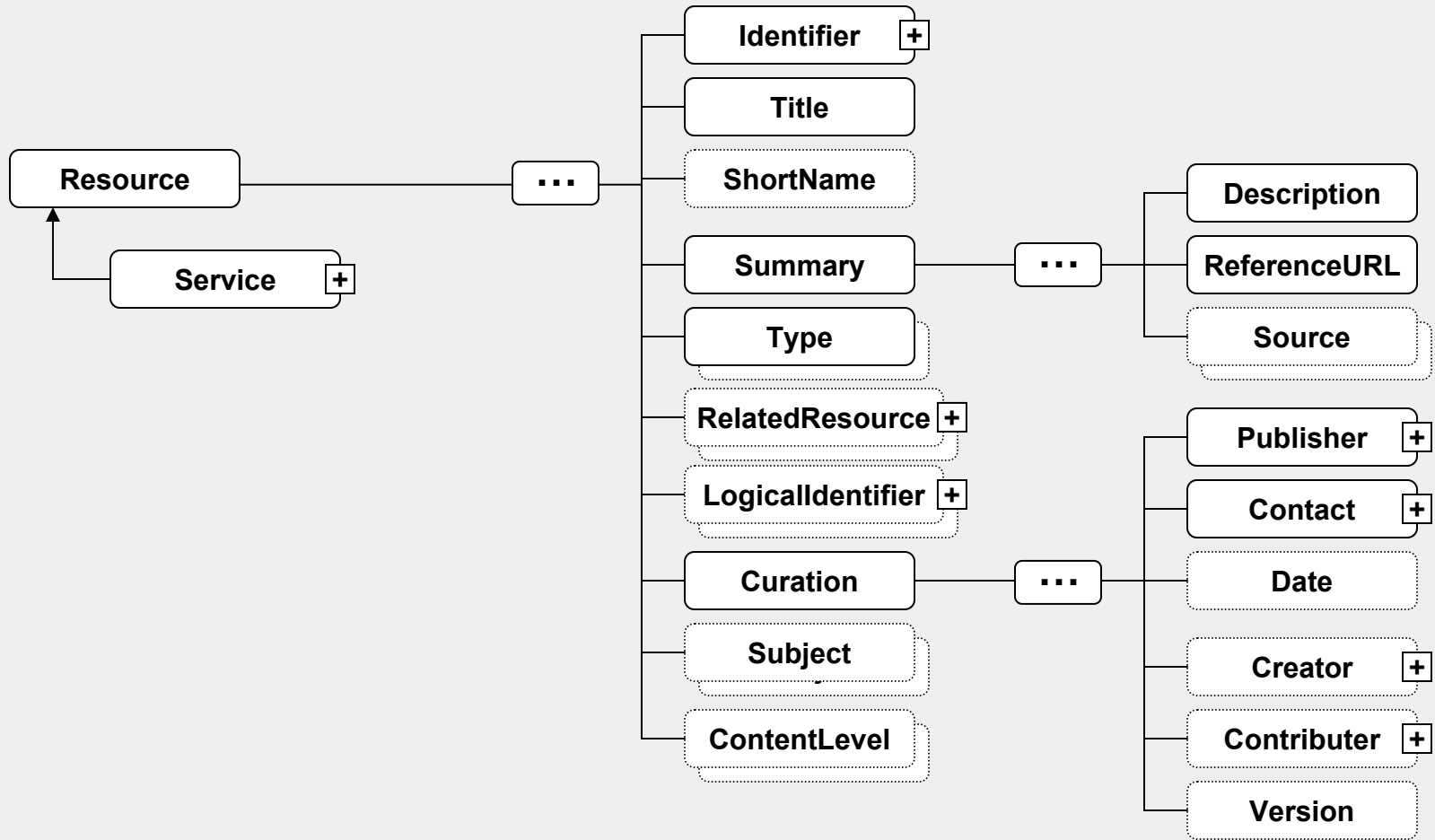


VOResource (v0.8.4)

- XML Schema defining core metadata applicable to all resources
- Covers most concepts defined in RM WD
- Extensions will add additional metadata for particular *classes* of resources
 - **Service** sub-class of generic **Resource** included in VOResource
 - All other extensions defined in external extension schemas.
- All schema posted on TWiki:
<http://www.ivoa.net/bin/twiki/view/IVOA/IVOAResRegWp03>



VOResource Model





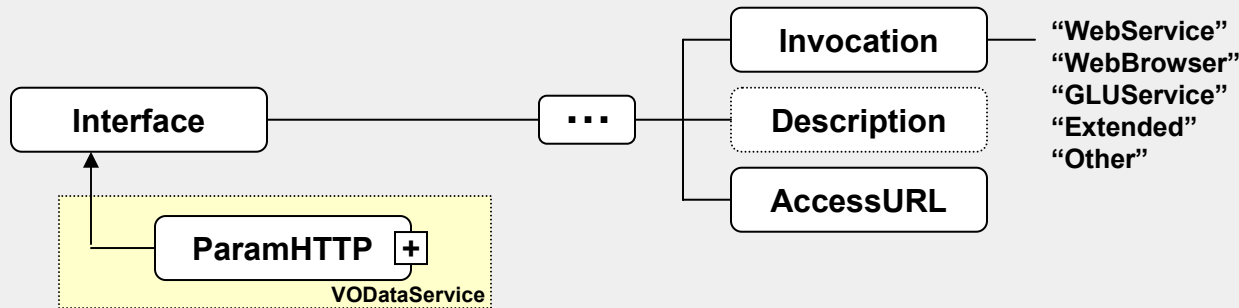
Minimum Required Metadata

- **Identifier**
- **Title**
- **Summary/Description**
- **Summary/ReferenceURL**
- **Type** (at least one from list)
- **Curation/Publisher/Title**
- **Curation/Contact/Name**

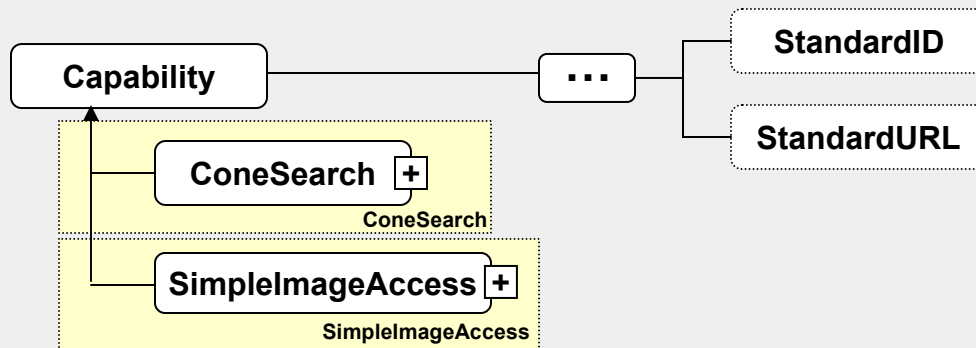


Service Metadata

- Inherits core from Resource and adds:
 - **Interface**: how to access & use service



- **Capability**: behavior and limitations of service
 - Specialized for specific standard services (e.g. SIA)





Extension Schemas

define Resource sub-classes

- VOCommunity: **Organsation, Project**
 - Adds **Facility, Instrument**
- VODataService:
 - **DataCollection**:
 - adds **Facility, Instrument, Coverage, Resolution, Access (Format, Rights, AccessURL)**
 - **SkyService** (sub-class of **Service**)
 - adds **Facility, Instrument, Coverage, Resolution**
 - **TabularSkyService** (sub-class of **SkyService**)
 - adds **Table** (multiple allowed)
 - Intended for services like ConeSearch, SIA, SkyNode
- VORegistry:
 - **Registry**: for describing registries
 - **Authority**: for registering authority IDs



Describing Standard Services

- Specifications of Standard Services should define **Capability** metadata
- SIA
 - **SimpleImageAccess** (sub-class of **Capability**)
ImageServiceType, MaxQueryRegionSize, MaxImageExtent, MaxImageSize, MaxFileSize, MaxRecords
- ConeSearch:
 - **ConeSearch** (sub-class of **Capability**)
MaxSR, MaxRecords, Verbosity



Issues

- Simple, temporary coverage description to stand in
STC to be integrated later
- (Re-)Using VOTable elements for describing Table columns & service parameters



What we can register

- **Organisations and Projects**

Data centers, research organizations, missions, observatories

- **DataCollections**, archives

- VO standard services: Cone Search, Simple Image Access

- Existing Browser/CGI-based services



Standardization

- Each schema will go through the standardization process separately
- Evaluated as a data model
- It is not necessary to have PR version of schemas for next round of demos

Must stabilize schemas!