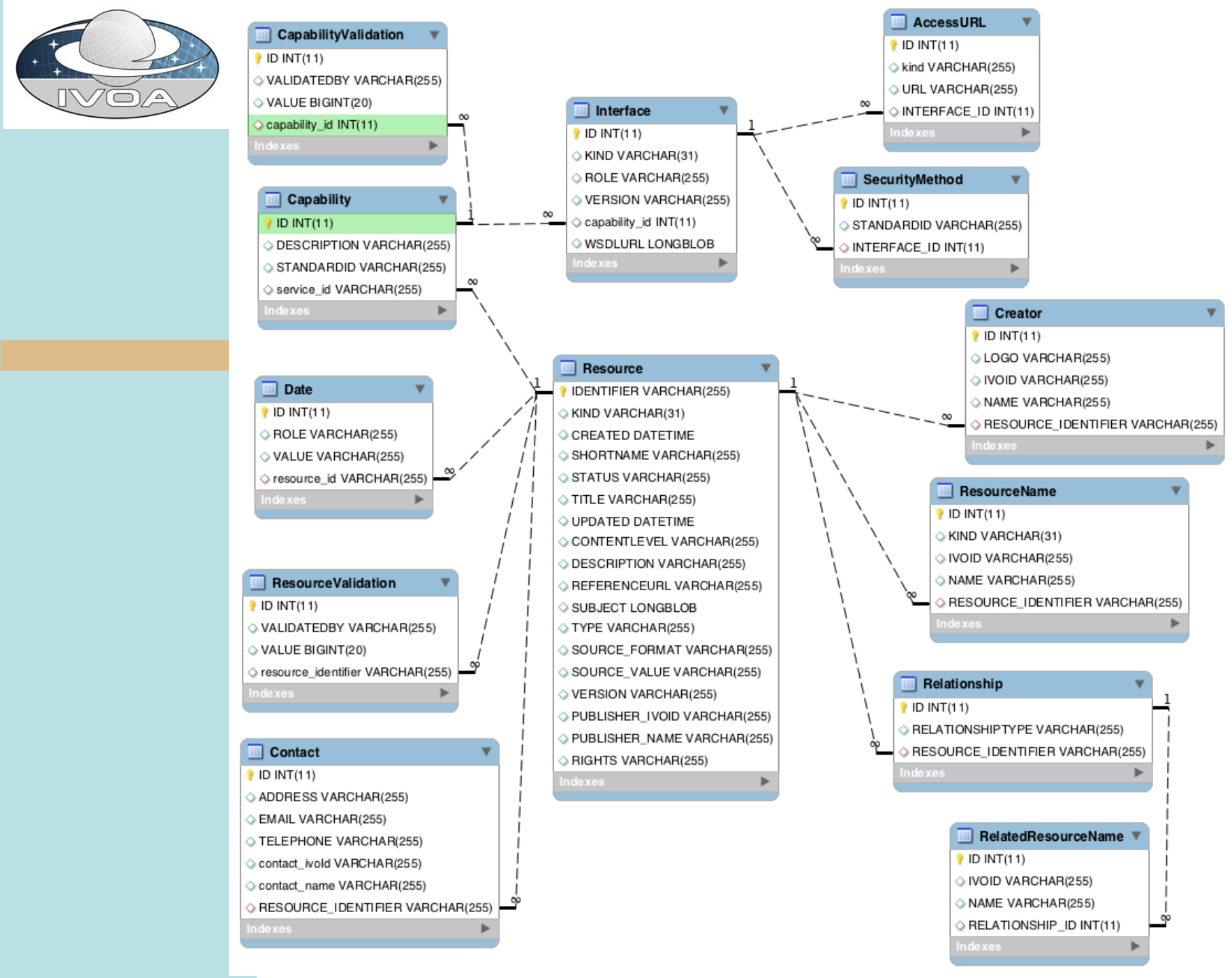
Registry schema evolution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capability_id INT(11)
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URL VARCHAR(255)
INTERFACE_ID INT(11)
Indexes
Interface
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KIND VARCHAR(31)
ROLE VARCHAR(255)
VERSION VARCHAR(255)
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Capability
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DESCRIPTION VARCHAR(255)
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Creator
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IVOID VARCHAR(255)
NAME VARCHAR(255)
RESOURCE_IDENTIFIER VARCHAR(255)
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Resource
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KIND VARCHAR(31)
CREATED DATETIME
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STATUS VARCHAR(255)
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UPDATED DATETIME
CONTENTLEVEL VARCHAR(255)
DESCRIPTION VARCHAR(255)
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SUBJECT LONGBLOB
TYPE VARCHAR(255)
SOURCE_FORMAT VARCHAR(255)
SOURCE_VALUE VARCHAR(255)
VERSION VARCHAR(255)
PUBLISHER_IVOID VARCHAR(255)
PUBLISHER_NAME VARCHAR(255)
RIGHTS VARCHAR(255)
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RESOURCE_IDENTIFIER VARCHAR(255)
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Contact
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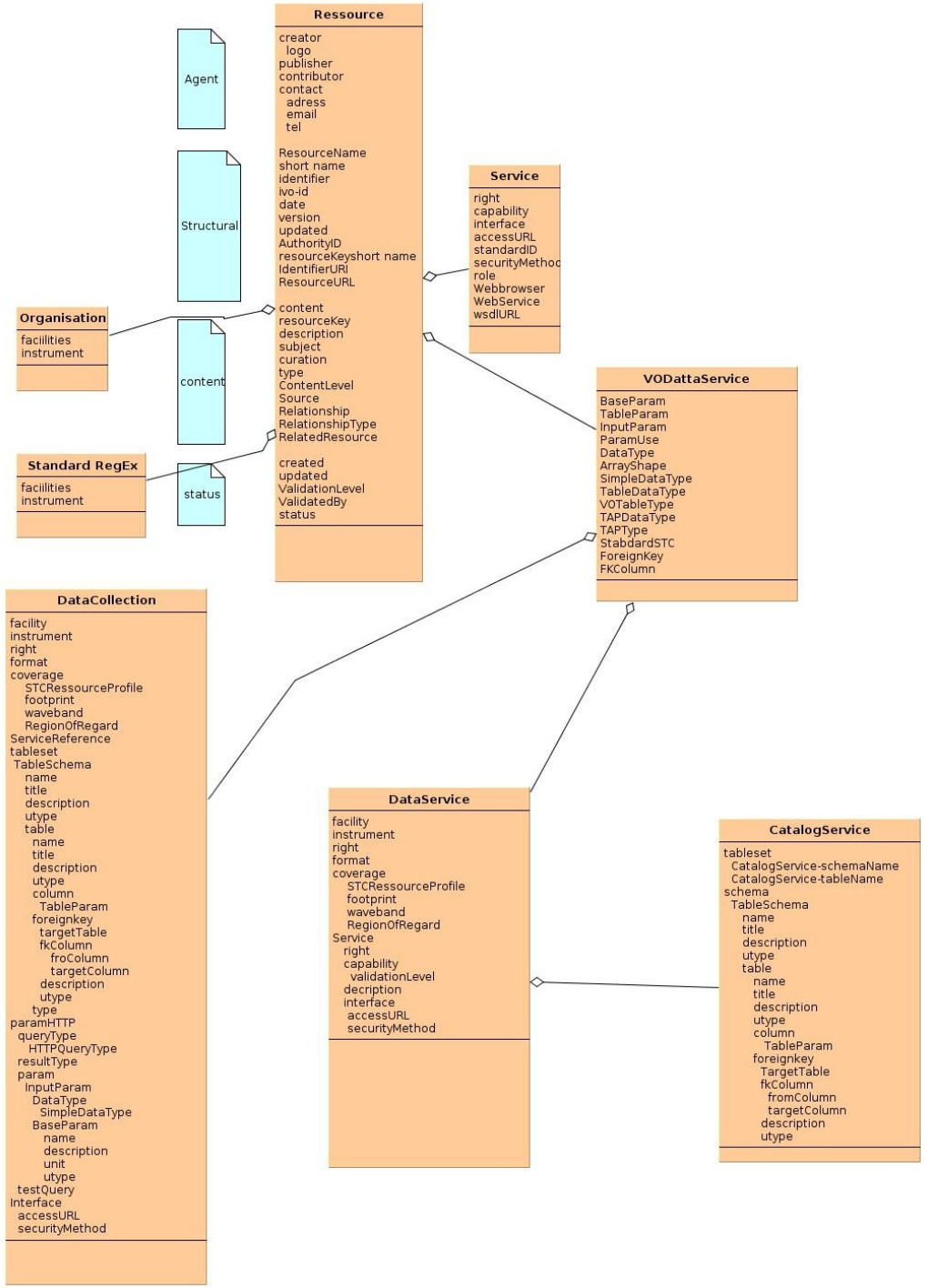
ADDRESS VARCHAR(255)
EMAIL VARCHAR(255)
TELEPHONE VARCHAR(255)
contact_ivold VARCHAR(255)
contact_name VARCHAR(255)
RESOURCE_IDENTIFIER VARCHAR(255)
Indexes
RelatedResourceName
ID INT(11)
IVOID VARCHAR(255)
NAME VARCHAR(255)
RELATIONSHIP_ID INT(11)
Indexes


Ressource
creator
logo
publisher
contributor
contact
adress
email
tel
ResourceName
short name
identifier
ivo-id
date
version
updated
AuthorityID
resourceKeyshort name
IdentifierURI
ResourceURL
content
resourceKey
description
subject
curation
type
ContentLevel
Source
Relationship
RelationshipType
RelatedResource
created
updated
ValidationLevel
ValidatedBy
status
Agent
Structural
content
status
Service
right
capability
interface
accessURL
standardID
securityMethod
role
Webbrowser
WebService
wsdlURL
Organisation
faciilities
instrument
Standard RegEx
faciilities
instrument
VODattaService
BaseParam
TableParam
InputParam
ParamUse
DataType
ArrayShape
SimpleDataType
TableDataType
VOTableType
TAPDataType
TAPType
StabdardSTC
ForeignKey
FKColumn
DataCollection
facility
instrument
right
format
coverage
STCRessourceProfile
footprint
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RegionOfRegard
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table
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title
description
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TableParam
foreignkey
targetTable
fkColumn
froColumn
targetColumn
description
utype
type
paramHTTP
queryType
HTTPQueryType
resultType
param
InputParam
DataType
SimpleDataType
BaseParam
name
description
unit
utype
testQuery
Interface
accessURL
securityMethod
DataService
facility
instrument
right
format
coverage
STCRessourceProfile
footprint
waveband
RegionOfRegard
Service
right
capability
validationLevel
decription
interface
accessURL
securityMethod
CatalogService
tableset
CatalogService-schemaName
CatalogService-tableName
schema
TableSchema
name
title
description
utype
table
name
title
description
utype
column
TableParam
foreignkey
TargetTable
fkColumn
fromColumn
targetColumn
description
utype

Do we have to leave implementation to provider ?

Registry is a concept taken from OAI-PMH
http://www.openarchives.org/

Should we keep the OAI-PMH description for:

- **Resource content**
- **Output XML schema ?**
- **Harvesting standardization ?**

Should we enforce full searchable registry to

- **use RDB ?**
- **On the 3 current implementations : NVO, ESA-VO, Astrogrid**
- **On a future one ?**

Advantages / difficulties

Relational data bases are quicker
They could be accessible via TAP ?

XML databases follow a schema: no need to modify anything if you change schema.
Registry is in constant evolution.
Problem only of registry provider ?

Harvesting use natively the XML schema. That means tha if a resource is natively in XML it's straightforward

Search in registry is only a text matching in fields. Will not take advantage of RDB but only add complexity.