

RedSpider

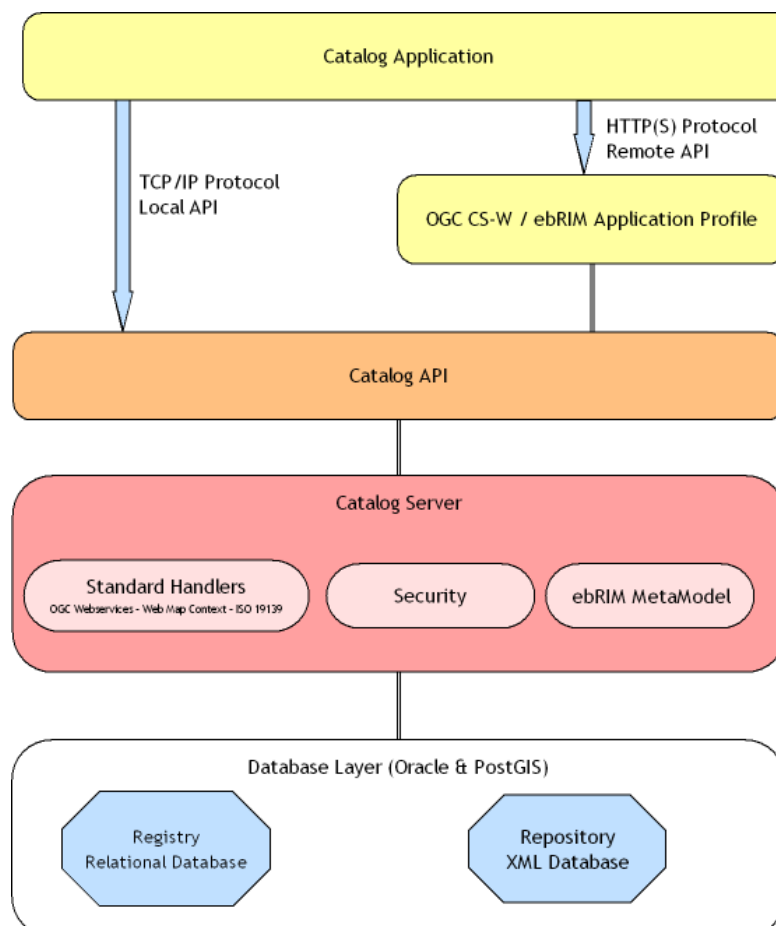


Catalog...

Release 3.0

Register and Discover Geographic Information over the Internet

RedSpider Catalog 3.0 is an e-business registry service based on the OpenGIS Catalog 2.0 specification, allowing data providers and data users to register and discover metadata describing a wide range of resources (OpenGIS web services, datasets, imagery, Earth Observation, ...)



Main RedSpider Catalog Functionalities:

- Extended catalog API based on **JAXR** API.
- Storage, harvest and management of **OGC web services**
- Categorisation of registered resources based on **ISO** taxonomies and **OpenGIS** service classifications
- Extended **query capabilities** allowing retrieving resources and services for instance by keyword, by date, by geo-extent and by organization search. Moreover, the extreme flexibility of the ebRIM model allows search based on virtually *any* possible criterion.

Search criteria

Id:

Instrument:

Archiving Center:

Product Type:

Spatial Extent:

Start Date (YYYY-MM-DD):

End Date (YYYY-MM-DD):

Min quality:

Record count:

X: -175.764706 Y: -41.2941176 Scale: 280637371 @www.demis.nl

Nr	Identify	Details	HMA	GML	Quick look
1	urn:x-dali:sat:Shift0:a21:26103079704021639551X:dn:572863:0	View	View	View	View
2	urn:x-dali:sat:Shift0:a21:26103089704021640041X:dn:572863:0	View	View	View	View
3	urn:x-dali:sat:Shift0:a21:26103099704021640121X:dn:572863:0	View	View	View	View
4	urn:x-dali:sat:Shift0:a21:26123079704021639542X:dn:572864:0	View	View	View	View
5	urn:x-dali:sat:Shift0:a21:26113089704021640022X:dn:572864:0	View	View	View	View
6	urn:x-dali:sat:Shift0:a21:26113099704021640112X:dn:572864:0	View	View	View	View
7	urn:x-dali:sat:Shift0:a21:26183039703081619472X:dn:569374:0	View	View	View	View
8	urn:x-dali:sat:Shift0:a21:26183049703081619562X:dn:569374:0	View	View	View	View
9	urn:x-dali:sat:Shift0:a21:26183059703081620042X:dn:569374:0	View	View	View	View
10	urn:x-dali:sat:Shift0:a21:26183069703081620132X:dn:569374:0	View	View	View	View

- Provides an **out-of-the-box web application** that allows OpenGIS service registration and discovery, with a Client built using RedSpider Enterprise Web Toolkit.
- Built fully in Java and benefits from the latest **Oracle** Spatial, **PostGIS** and **ebXML** technologies.

Release 3.0.0: **New Features**

1. Compliance with **CS-W 2.0.2**

RedSpider Catalog benefits from the latest improvements of the OGC standard CS-W 2.0.2, such as Asynchronous Requests and Automatic Re-harvest.

2. Compliance with **ebRIM Application Profile 1.0.0**

The choice of the ebRIM standard ensures a generic and flexible metadata model. Thanks to Ionic's Chair position in the revision working group of the OGC, RedSpider Catalog's ebRIM model constantly evolves to meet the users' needs and requests.

3. Pure **Relational Database Model**

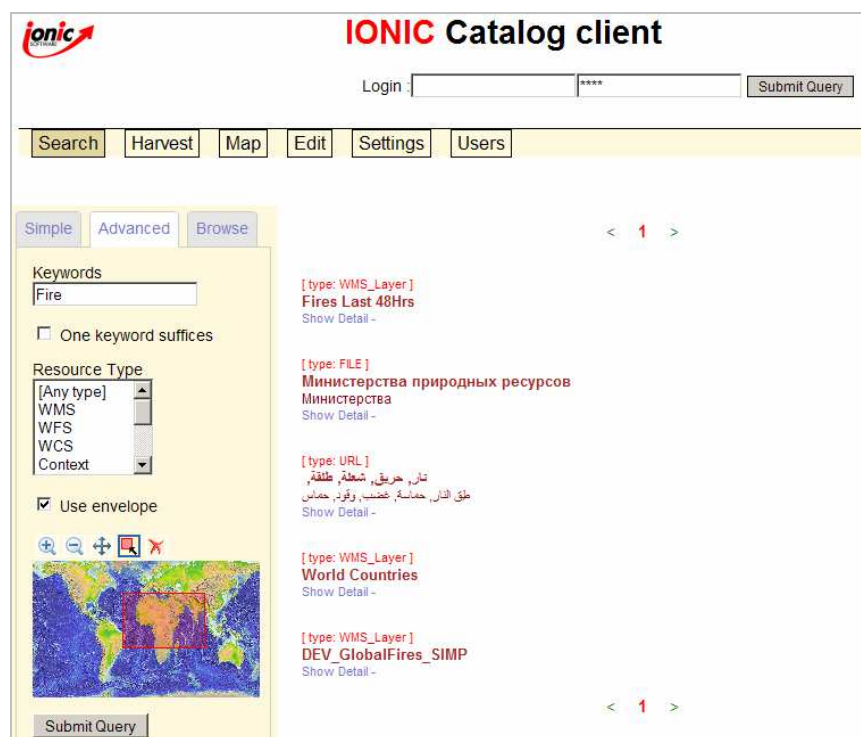
Now based on a fully relational database model, RedSpider Catalog significantly increases its performances. The technological choice of a relational database system also offers the advantage of allowing database systems other than Oracle.

4. **PostGIS** and Oracle database Support

With RedSpider Catalog 3.0, you can choose your underlying database system: either Oracle, or the free Open Source PostGIS database.

5. **Internationalization (i18n) Support**

Your metadata can be stored in several languages. All encoding formats are supported.



6. Support of ISO 19115 Harvester and ISO 19139

RedSpider Catalog 3.0 fully supports the official OGC standard defining a common ebRIM encoding structure of the XML data encoded according to the ISO 19139 standard. This OGC standard guarantees that all the ebRIM catalogs will store the ISO 19115 data encoded in ISO 19139 the exact same way.

Thanks to this standard, your ebRIM catalog remains fully interoperable and can exchange data with any ISO-based catalog.

7. Fine Grain Security

You can define specific access rights for each record in the catalog. Several types of user groups can be created, with different rights as to accessing and modifying the catalog's data.

8. New Demonstrator

RedSpider Catalog 3.0 is delivered with an example of client showing the main functionalities of an ebRIM catalog. It will help you understand the capabilities of the catalogs you can create and can also be used as a basic test tool.

