

RedSpider Catalog



The revolution in sharing and publishing geographic information on the web has begun!

To effectively use scattered sources of geospatial information, you need to be able to identify, understand and access their content quickly. If you are a geographic data publisher, you need to be able to easily register and advertise your products. Managing and publishing an effective description of your resources is crucial to the success of your business.

Join the growing communities of users who are taking advantage of established OGC standards today! RedSpider Catalog is the solution for accessing the power of these global and standards-based web services.

Discover Geographic Content

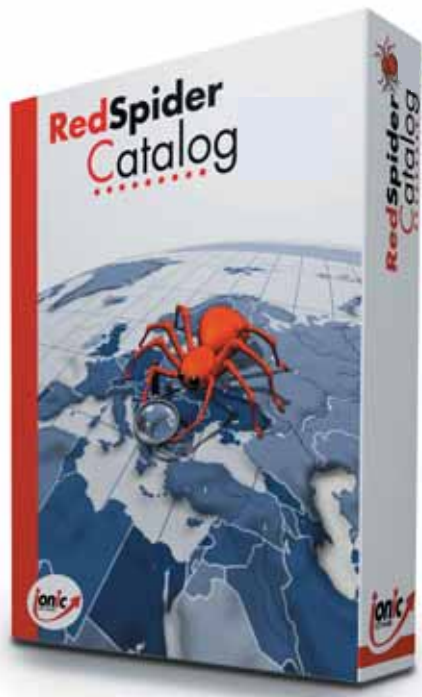
RedSpider Catalog offers you the opportunity to store and discover geographic information effortlessly. Because RedSpider Catalog is natively based on OGC and ISO standards, it is the key to a widespread and interoperable Spatial Data Infrastructure.

Out-of-the-box, you will receive a pre-configured service that allows you to easily register any OGC/ISO-compliant resource, such as ISO 19115/19119 metadata, Earth Observation products metadata, or Web Map Services, Web Feature Services, Web Coverage Services and Web Map Contexts, using their metadata. Automatic harvesting ensures that your application will always stay up-to-date.

Once you register a resource, the possibilities to share, find and use information stored in web services are endless!



Extended query capabilities



The Power of a Generic Catalog

Cataloguing your resources is critical, especially when they are kept and managed by several holders. In a context of scattered geographic resources, users cannot have a direct view on all the available resources.

Before trying to access some specific resource(s), they need to identify the appropriate one(s), according to their particular need. The catalog doesn't contain the data, but a structured description of them, i.e. *metadata*.

Once the relevant geographic resources are selected via their catalog description, RedSpider Catalog offers two ways of reaching them. For resources available as web services, RedSpider Catalog can provide a direct access to them. For other types of resources (any paper or electronic hard support, online maps, offline database, etc.), RedSpider Catalog indicates the location of the resource.

More than References

RedSpider Catalog can store metadata describing any type of data – even non-geographic! What makes it specifically suited for cataloguing geographic data is the ebXML model used for creating and structuring the metadata. With RedSpider Catalog, flexibly model metadata that *make sense* for your own business

RedSpider Catalog provides more than the reference to a resource! It allows making an effective choice between a huge set of data, in order to select the one(s) that meet your current business needs.

RedSpider Catalog is an e-business registry that provides the discovery of geographic information over the Internet

Deliver Powerful e-Business Solutions

Based on e-business XML (ebXML), RedSpider Catalog is the first step towards building a successful geospatial e-business.

Using ebXML, companies now have a standard method to exchange business messages, conduct trading relationships, communicate data in common terms and define and register business processes. Choosing a solution that geo-enables the ebXML framework reduces technology risks and secures your customer relationships.



A demonstrator for easily building your own catalog

Key Features

- Registry and automatic harvest of OGC WMS, WFS and WCS web services;
- Categorization of registered resources based on ISO taxonomies and OGC service classifications;
- Extended query capabilities: retrieve resources and services by keyword, by date, by geo-extent or by organization;
- Extreme flexibility of the cataloguing framework: search on virtually *any* possible criterion by freely customizing your eBRIM model;
- Out-of-the-box web application allowing OGC service registration and discovery, with a client built using RedSpider Enterprise;
- Automatic re-harvesting of OGC web services;
- Internationalization support: store multilingual metadata, using any encoding format;
- Extended catalog API based on a JAXR API;
- Deployed as a Java web service that uses ebXML messages;
- Core security to manage ownership and access rights;
- Complete package including a demonstrator and a tutorial to quickly build your catalog application.



Internationalization support for multilingual metadata

The RedSpider Suite



RedSpider Web
The native OGC/ISO web service product to publish geospatial information.

Technologies (*)

- OGC Catalogue Service for Web (CS-W), OGC Web Registry Service Spec.
- OGC WFS, WMS, WCS, Web Map Context, HMA Earth Observation
- OGC Filter
- GML
- ISO 19119-Service Metadata
- ISO 19115-Resource Metadata
- ISO 19139-Metadata Encoding
- HTTP/SOAP Web Service
- Completely written in Java
- Databases: Oracle and PostGIS

(*) For details on supported environments and their versions, please contact us.