



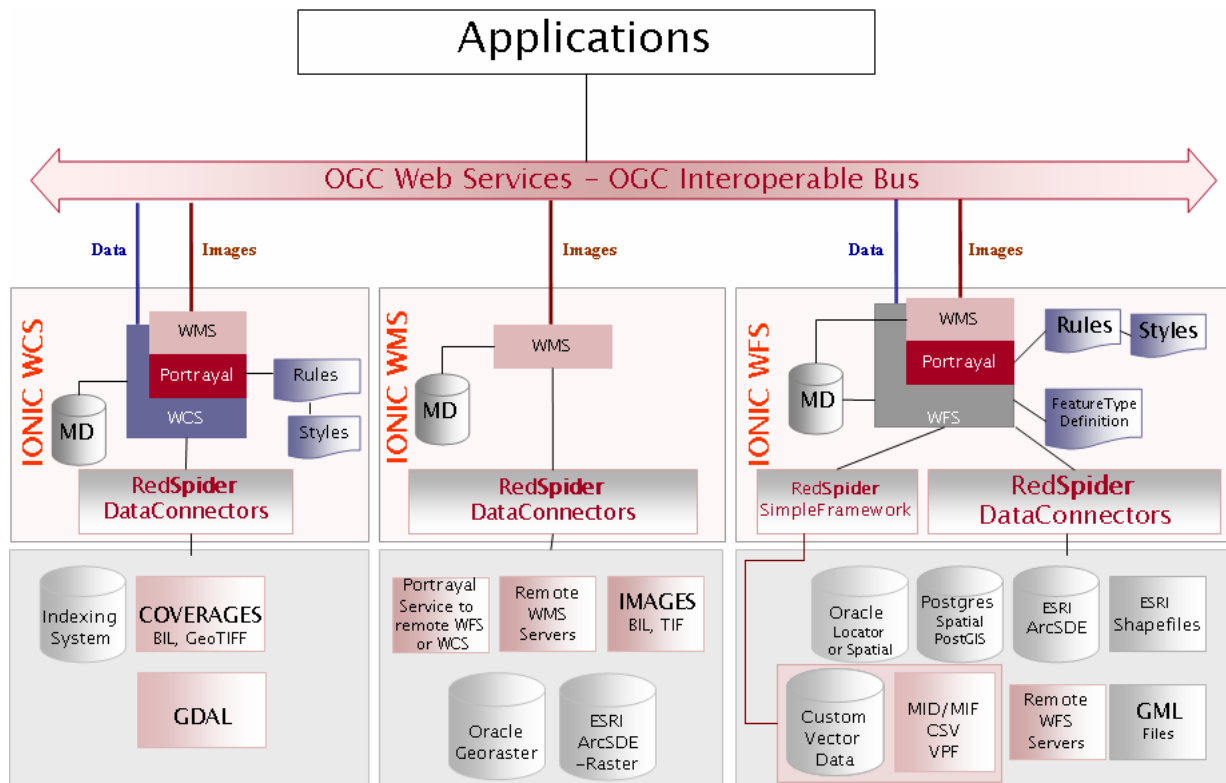
3.4.2 Final Release

An out-of-the-box, easily configurable portfolio of OGC/ISO-compliant web services

RedSpider Web 3.4.2 offers 4 servlets for raster, vector, coverage and 3D data served as

- WMS
- WFS
- WCS
- WTS

services.



Main RedSpider Web Functionalities

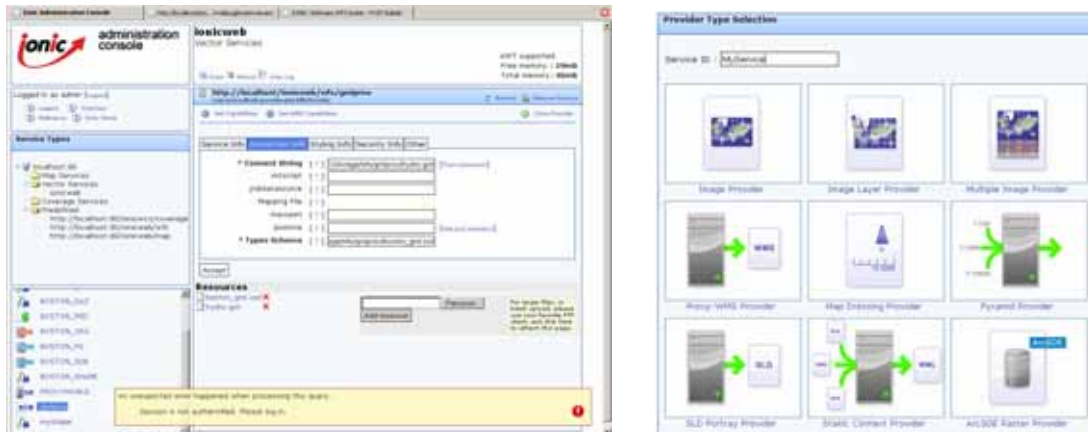
- Define or generate **your feature model** to serve your vector data as a OGC WFS;
- Serve your **coverages in a OGC WCS**, whatever the data format;
- Update feature and vector data through the **Transactional WFS** (WFS-T) interface;
- **Portray vector and coverage data** with SLD and custom rules;
- Have your WFS and WCS services **automatically exposed** as OGC-WMS maps;
- Expose WSDL descriptions and SOAP encodings for **SOA web services**;



RedSpider Web's User Advantages

1. Install and configure easily

- An **Automatic Installer** for Linux, Windows and Solaris. Interactive and console-mode.
- An **Administration Console** for configuration and administration of your services.



- **Pre-configured Services** to bootstrap your installation
After installation and deployment in an application server, sample services are automatically available.

2. Monitor your services

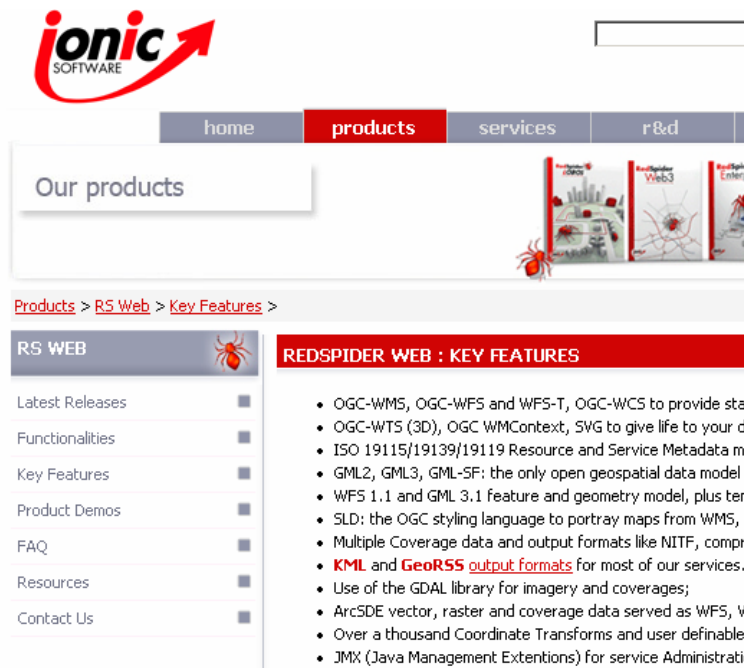
RedSpider Web features **various tools and viewers** for targeted help and rapid checks and conversions: Geobrowser (jsp), Service Tester (applet), Data Loaders, SQL-to-GML schema converters, Indexers, IP and JDBC checks, etc.

3. Get dedicated help

RedSpider is delivered with more than 800 pages of **smart documentation** to help beginners as well as experts. Various manuals are offered: Concepts, Quick Start Guide, User Guides, Administrator's Guide, etc.

4. Rely on Ionic Software's experts

- A **website** streamlining up-to-date product information through key features, online demonstrations, FAQ, product sheets, case studies, etc. Go to <http://www.ionicsoft.com> and check out our Products section.




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REDSPIDER WEB : KEY FEATURES

- OGC-WMS, OGC-WFS and WFS-T, OGC-WCS to provide stan
- OGC-WTS (3D), OGC WMContext, SVG to give life to your da
- ISO 19115/19139/19119 Resource and Service Metadata ma
- GML2, GML3, GML-SF: the only open geospatial data model le
- WFS 1.1 and GML 3.1 feature and geometry model, plus temp
- SLD: the OGC styling language to portray maps from WMS, W
- Multiple Coverage data and output formats like NITF, compre
- **KML** and **GeoRSS output formats** for most of our services.
- Use of the GDAL library for imagery and coverages;
- ArcSDE vector, raster and coverage data served as WFS, WI
- Over a thousand Coordinate Transforms and user definable c
- JMX (Java Management Extentions) for service Administrati

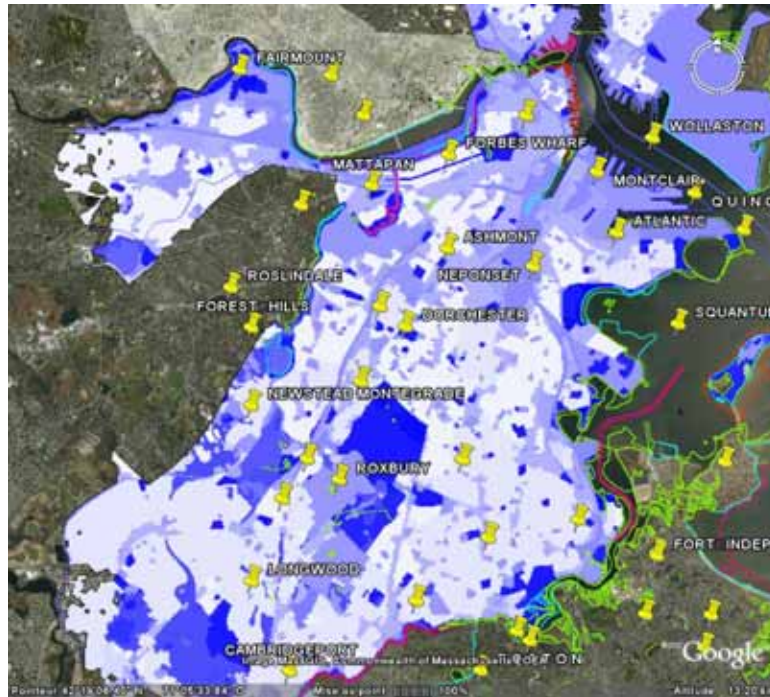
- A **support team** committed at helping you sharing their expertise, using efficient helpdesk software and bug tracking tool, providing tailored trainings, etc.
- A dedicated **product management** driving the life cycle of RedSpider Web, listening to your needs, delivering frequent patches, defining a roadmap; organizing release information meetings, etc.

Version 3.4.2: New Features

1. KML output format

The whole set of services can produce **KML** (the format of Google Maps/Google Earth) as output of GetMap and GetFeatureInfo.

KML and KMZ can be requested. Standard output is obtained through classical portrayal rules. Custom output with your own rules.



2. Hierarchical exposure of vector services' layers

Vector services can expose their layers in a **hierarchical** structure, whatever physical structure they have.

Simple XML configuration need to encapsulate WMS Layers in categories that can be requested as well.

```

<Layer>
  <Title>Shape files on Boston</Title>
  <CRS>EPSG:26986</CRS>
  <CRS>EPSG:4326</CRS>
  <CRS>CRS:84</CRS>
  <EX_GeographicBoundingBox>
    <westBoundLongitude>-71.1914204565833</westBoundLongitude>
    <southBoundLongitude>42.22672745785433</southBoundLongitude>
    <eastBoundLongitude>-70.86788295646242</eastBoundLongitude>
    <northBoundLongitude>42.39765148807797</northBoundLongitude>
  </EX_GeographicBoundingBox>
  <Layer queryable="false">
    <Name>areas</Name>
    <Title>Areas</Title>
    <Layer queryable="true">
      <Name>land_use</Name>
      <Title>Land Use</Title>
      <BoundingBox CRS="EPSG:26986" minx="225473.609375" miny="886444.625"
        maxx="252043.125" maxy="905284.0"/>
    </Layer>
  </Layer>
  <Layer queryable="true">
    <Name>protectedareas</Name>
    <Title>Protected Areas</Title>
  </Layer>

```

3. OGC WMS 1.3.0 compliant

Compliance to OGC WMS 1.3.0 specification will be official with the final release. After WMS 1.1.1, WFS 1.0, WFS-T 1.0 and WCS 1.0, this specification will be officially complied with WMS 1.3.0.



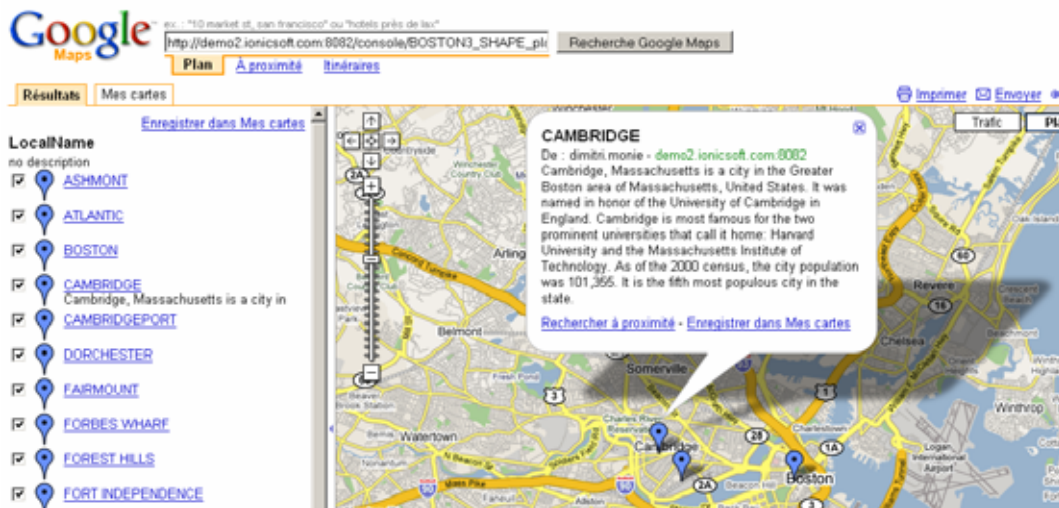
4. Display of Legends is smarter than ever

The Legend configuration, used with GetLegendGraphic requests, allows fine-grain tuning of texts and global appearance. Global to your service or per-layer.



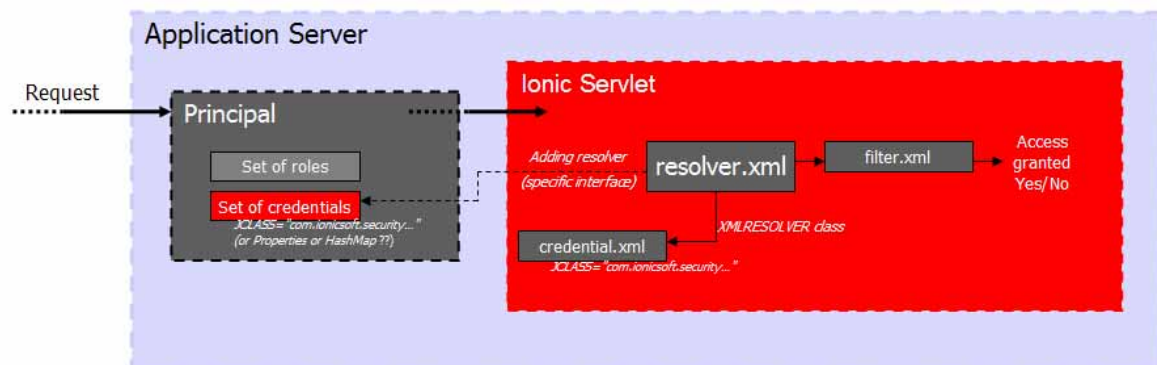
5. The WFS can produce GeoRSS

... as output of GetFeature requests. As soon as a simple Java portrayal rule is written and compiled.



6. New extensions to the fine-grain security

Alternate database connection, Oracle Session change through Proxy user, limit requests based on requested image size, etc.

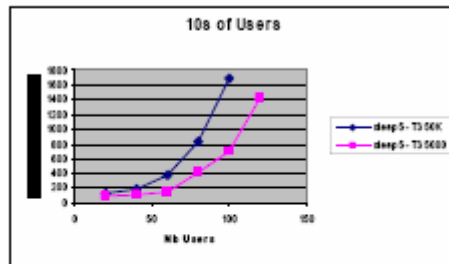


7. Extensive performance report

A performance report is released simultaneously with this version, providing accurate figures on the capabilities of RedSpider Web.

For vector and coverage data sets, the report describes how the services perform and scale when GetMap requests are sent by many simultaneous users.

At 20 concurrent users, and up to 120, the curve below shows how the response time increases.



3.1.3 Interpretation, Variations

For requests on 5000x5000 m2, we see that behind 6 simultaneous transactions, the response time is lower than **200 milliseconds**. The response time increase is linear with the number of simultaneous transactions, up to a maximum of **500 milliseconds for 20 parallel transactions**.

8. New **easy-to-use** Installers

The new **installers** facilitate installation on recent platforms. 64 bits platforms, Java5, new Linux distributions ... are better supported.

For Target Systems (Installation Environment)

- 64 MB of free RAM
- Minimum of 8-bit color depth (256 colors)
- Minimum 640 X 480 screen resolution

Installations run on any version of these operating systems, as long as the operating system supports Java:

- Windows Server XP, 2003 (Itanium 2, x86, AMD-64)
- Windows 2000, NT, Me, 98
- Linux/Intel: Red Hat, Red Hat Enterprise Server, UnitedLinux, TurboLinux, SUSE & others
- Linux for PowerPC, AMD-64, and Itanium 2
- Mac OS X (PPC & Intel)
- Solaris SPARC, AMD-64, Intel
- HP-UX (Itanium 2 & PA-RISC)
- Tru64, FreeBSD
- AIX
- z/OS
- NetWare
- Other Unix platforms

Supported Java Virtual Machines

- Sun: 1.3.x, 1.4.x, 1.5.x (Java 5)
- IBM: 1.3.x, 1.4.x, 1.5.x (Java 5)
- Apple: 1.3.x, 1.4.x, 1.5.x (Java 5)
- HP: 1.3.x, 1.4.x, 1.5.x (Java 5)

The InstallAnywhere installation bundles Java 1.5 by default for all platforms. Any Java virtual machine can be bundled with an installation ensuring that the target system meets the minimum requirements for both the installations and your applications. To download these bundled VM packs, see InstallAnywhere Downloads.

NOTE: InstallAnywhere installations are not supported on beta or on early access releases of Java.

9. And more...

Check out the various targeted improvements responding to **specific needs** of partners and customers.

For details of other fixes and improvements, see the ReleaseNotes.txt included in the product distribution.