

Cartalinea™

Share, control and update your data in real-time

Overview

A robust and scalable software solution, Cartalinea™ can be implemented on top of existing databases to enable users to share current geographic information as well as changes. Cartalinea is a fully transactional Web Feature Service (WFS) server compliant with Open Geospatial Consortium (OGC) specifications. Cartalinea is successfully deployed as part of operational, production solutions in a variety of sectors including: security; defence; natural resource management; local and regional government administration, transportation and utility sectors.

Features

- Performs WFS transactions on features and observations that include query, insert, update and delete
- Retire or deprecate records building transaction profiles that allow users to establish a temporal dimension that can be incorporated into other applications
- Support temporal operators
- Uses both GML 2.1.2 and GML 3.1.1
- Supports all UTF-8 special characters
- Enables customizable access control capabilities
- Supports GML observations
- Supports multiple CRS (coordinate reference systems) definitions and conversions

Benefits

- Users are able to share and maintain geospatial information in real-time
- Provides users with an audit trail of activity associated with the information
- Users are able to leverage time related data and create either a snapshot or time window view of the data.
- Users are able to take advantage of widely accepted standards across different market segments (e.g. S-57 maritime data)
- Provides multilingual support
- Allows administrators to manage user access to data and allows role based access control
- Allows users to incorporate sensor and other real time data into their applications
- Allows users to dynamically integrate data using different CRS definitions

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Powering the Geo-Web™

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System Requirements

Operating systems:

- Windows 2003
- Windows XP
- Linux RHE4
- Solaris 10

Web Servers

- Tomcat 5.5
- JBoss 4.0.5

Java

- JDK 5.0

Databases

- Oracle 10g
- Arc SDE 9.0 (on Oracle)
- X-Hive 7 (native XML database)

Supported Standards

GML 3.1.1

- S57
- AML
- DAFIF
- DVOF
- VMap 0, 1 and 2
- IAXS
- BART
- DNC
- ENC
- MGCP
- NGA Gazetteer
- UVMaP

OGC Specifications

- WFS 1.0 compliant
- OGC™ Filter operators
- Supports OGC Filter Encoding

Oasis Specifications

- SAML 2.0

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About Galdos:

Galdos Systems Inc. is a privately held software and service technology company founded in 1998. Known for innovation and sustainable market-changing technologies (e.g. Geography Mark-up Language, GeoWeb Services) Galdos Systems provides geospatial infrastructure software and services to a global customer base that extends across business, industry and government sectors. Galdos' software and services emphasize our expertise with data and technical architectures, GML application schema creation, and ontology creation and rationalization. Galdos has a proven history in growing projects from an initial proof of concept stage through to operationally deployed systems. For more information, visit www.galdosinc.com



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