

“Highly secure protection for your geospatial resources”

Overview

Built on simple identity concepts, CubeWerx® Identity Management Server (IMS) allows organizations to establish a single, web-enabled collaborative framework for sharing all their secure and non-secure geospatial resources with users inside and outside their organizations.

In response to customer's cross-jurisdiction service requirements, many organizations, large and small, are realizing the benefits of delivering web resources using a collaborative framework. However the one obstacle that stands in the way of the deployment of such frameworks is the matter of security. How do stakeholders permit access to their valuable data while retaining control over its content?

CubeWerx® IMS is a lightweight mechanism that facilitates the cooperation of autonomous organizations in securely controlling users' access to geospatial resources delivered through the World Wide Web. Interacting with existing authentication systems, CubeWerx® Identity Management Server provides a uniform way for users to identify and authenticate themselves, and for organizations to share their data and web services with these users in a controlled and collaborative way. CubeWerx® Identity Management Server aims at supporting virtually any authentication method that can be implemented as a web service.

CubeWerx® Identity Management Server is essentially a framework that manages identities and enforces role-based access control rules on geospatial resources.

Powerful web-based tools for security management

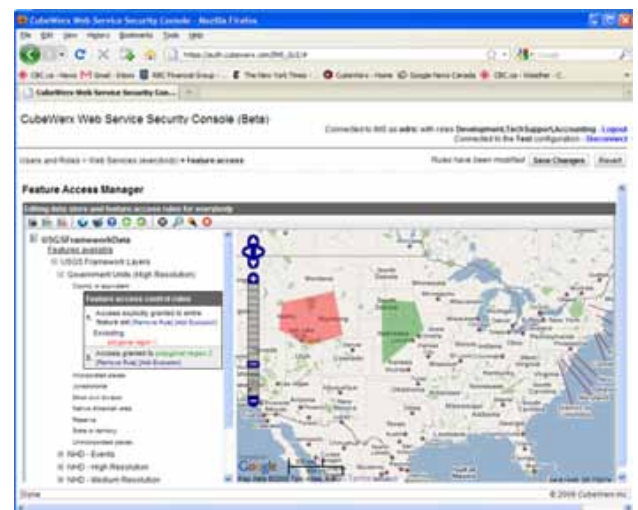
Rules are created and edited using powerful, map-driven tools that allow users to manage resources in a visual and intuitive way.

Administrators can define access control rules that describe security policies at the level of Web Services, data layers, or even geographical regions.

Major Benefits

CubeWerx® Identity Management Server enables the transformation of a rigid, bureaucratic, inward-looking organization into a more agile, responsive, cost-effective and customer-centric organization. A framework driven by collaborative partnerships is the largest benefit derived from the use of CubeWerx® Identity Management Server. Common motives for selecting CubeWerx® IMS product are:

- Security
- Organizational efficiency
- Access control to data content
- Competitive advantage
- Robust delivery of web service products
- Integrated Information Infrastructure



Key Features

- Supports communities composed of trusted jurisdictions
- Supports Single Sign-On (SSO) within a community of trusted jurisdictions
- Maintains customers identity when requesting web resources
- Allows each organization to maintain its administrative autonomy, including full access control on its web resources
- Allows access control rules to apply to users or groups of users
- Implements fine-grain access control rules for accessing OGC WxS operations, layers, and features, including spatial extents for OGC WxS data services (i.e. WMS, WFS)
- Promotes the use of public and private web resources within the same secure and collaborative access framework
- Supports many authentication methods already implemented within an organization (X.509, Unix Password, IMS Password, Microsoft NTLM, InfoCard, and Pluggable Authentication Method PAM)
- Supports secure access control on all web resources within an organization

Software Specifications - CubeWerx® IMS

Operating system requirements:

SUN Solaris, Linux (Red Hat ES or Fedora Core or SUSE)

Other software requirements

Apache Web Server is required



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