

ERDAS Image Manager

Product Description

For OGC/ISO standards compliant Service Oriented Architecture (SOA) for disseminating massive amounts of imagery and terrain, ERDAS Image Manager provides a comprehensive package. ERDAS Image Manager offers an end-to-end solution for users seeking to centralize image management in a secure, scalable and interoperable architecture.

ERDAS Image Manager provides a truly interoperable, enterprise-class product for discovering, provisioning, publishing, dissemination, accessing and integrating imagery and terrain. From data publishers who need scalable Java EE components to “standards enable” their legacy data and expose web services to third party integrators who need to “standards enable” their business logic, ERDAS’ enterprise solutions incorporate the best of breed Java package, empowering users to build widespread and interoperable Spatial Data Infrastructures (SDI).

Key Features

Geospatial Information (GI) Crawler Technology — Have your system discover, provision and publish GI to your web services, totally automated. GI crawlers drastically reduce the man hours needed to manage the content of Open Geospatial Consortium (OGC) web services. GI crawlers allow administrators and data managers to configure and schedule system processes to continuously find new GI from any data source and provision the GI for optimized web service use. Set it and forget it!

OGC Compliant Web Mapping Service (WMS) to disseminate stylized mosaics of massive amounts of imagery. ERDAS Image Manager supports any WMS client application (ArcMap, AutoCAD, MapInfo, Google Earth, ERDAS IMAGINE, etc). With OGC WMS, users may also:

- Use the Style Layer Descriptor for on the fly portrayal; supports band mapping, stretching, color mapping and hillshading
- Reproject and aggregate datasets on the fly
- Interoperably portray, mosaic and disseminate imagery maps to any client.

OGC Compliant Web Coverage Service (WCS) to disseminate raw dataset mosaics or individual datasets. The WCS service can disseminate aggregates of data, individual datasets or spatial areas of data interoperable to any WCS compliant client application.

OGC Compliant Catalogue Service (CS-W) (implementing the eb-RIM profile) provides open and secure searching and retrieval of GI and service metadata.

- Perform powerful spatial and metadata content searches
- Allow third party integration with your spatial data infrastructure data holdings in an interoperable service.

WMS/WCS/CS-W/ECWP Web Client — Provides out of the box secure CS-W searches, WMS Map Viewer and WCS raw data delivery to end users.

- Securely search the data holdings of the enterprise to find GI spatially or by context search
- Dynamically compose maps in the WMS Map Viewer, and disseminate OGC compliant web map contexts to other end users
- Download any discovered data through WCS
- Compose maps from multiple WMS/WFS/ECWP services available to the enterprise (Internet/Intranet).



ECWP Protocol Imagery Delivery — Stream extremely large ECW or JP2 files fast through the ECWP protocol to thousands of users through a single server. Discover, harvest, catalog, publish and distribute through ECWP.

Orthorectification On The Fly — Deliver GIS ready imagery to desktop and web clients. Using photogrammetric metadata associated with an image, orthorectified images are delivered directly to desktop and web applications.

Secure your GI Centrally — Develop as many roles and users as required and tag aggregates and individual datasets with read, write, update and manage rights. Secure your GI spatially with inclusion and exclusion areas and valid visible scale ranges. Supports LDAP/Active Directory, Database, XML and all other Java EE compliant realms for security. In addition, ERDAS Image Manager secures:

- All catalog searches and filters search results based on the users permissions
- All data accessed for portrayed maps and data downloads based on the users permissions
- Scale visibility for portrayed maps.

Users may also define explicit inclusion and exclusion extents that constrain data downloads.

ISO 19115/19139 Metadata — ERDAS Image Manager contains a detailed ISO 19115 Profile for describing aggregates and datasets, a stylized viewer for ISO 19115 metadata and detailed editing user interface. Persist and disseminate your metadata interoperability.

Data Manager Client application to remotely configure GI Crawlers, monitor jobs running on the system, browse and list the content of the index hierarchy and manage metadata. View thumbnail images and detailed metadata for all data holdings. Developed on the Eclipse Platform for “any OS” support.

Clearly, the ERDAS Image Manager directly delivers value-added imagery to desktop and web applications, solving the business problem associated with securely discovering, describing, cataloging and serving imagery.

About ERDAS

ERDAS – The Earth to Business Company – helps organizations harness the information of the changing earth for greater advantage.

ERDAS creates geospatial business systems that transform our earth’s data into business information, enabling individuals, businesses and public agencies to quickly access, manage, process and share that information from anywhere.

Using secure geospatial information, ERDAS solutions improve employee, customer and partner visibility to information, enabling them to respond faster and collaborate better. It also means better decision-making, increased productivity and new revenue streams.

ERDAS is a part of the Hexagon Group, Sweden. For more information about ERDAS or its products and services, please call +1 770 776 3400, toll free +1 866 534 2286, or visit www.erdas.com.