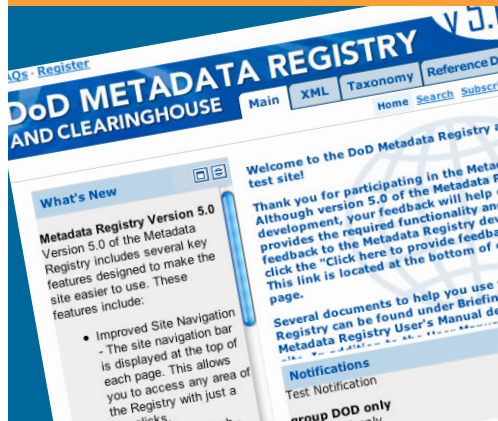


Helping subscribers discover information resources in a Web-based environment.



About FGM

FGM, Inc., is an information technology company delivering sophisticated, technology solutions that improve business efficiency across the enterprise.

As a trusted partner of the Department of Defense, U.S. Government civilian and international agencies, and businesses throughout the world, FGM is an agile provider of technical solutions that enable mission-critical operations and decision-making.

FGM's integrated solutions help our clients improve their business performance through information technology transformation services focusing on architecture, information management, and systems integration.

Headquartered in Reston, Virginia, FGM also has offices in California, Colorado, Hawaii, and Nebraska. With over 200 talented professionals, FGM is a thriving employee-owned corporation.

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“One-stop shopping for data components promotes interoperability and re-use in a secure, reliable environment.”

DoD Metadata Registry & Clearinghouse

The Department of Defense's (DoD) Metadata Registry & Clearinghouse enables government agencies such as the DoD, NASA, and the Intelligence Community to discover, share, and re-use data components with greater agility and to develop mission-critical applications faster and more efficiently than ever before.

FGM engineered the Web-based DoD Metadata Registry & Clearinghouse (MDR) to provide descriptive metadata to more users, in near real-time, while improving data component management and coordination.

Communities of Interest (COIs) use the DoD Metadata Registry & Clearinghouse as a workflow process to govern data and information assets, which promotes interoperability between organizations.

When data components are visible, managed, and accessible within a community, developers spend less time re-inventing the wheel and more time integrating common data and implementing plug-and-play data services.

These data technologies increase government agency core capabilities by integrating common data, packaging database servers, implementing transformation media, and using enterprise data services built from plug and play components and data access components.

Supports Mission-critical Applications

Through the DoD Metadata Registry & Clearinghouse, government agencies can discover, share, and re-use data

components with greater agility in order to develop mission-critical applications faster and more efficiently than ever before.

Software developers can access registered XML data and metadata components, COE database segments, reference data tables, and related metadata information, such as country codes and U.S. state codes.

The MDR consists of four key galleries—XML, Taxonomy, Reference Data Set, and a Data Element Set—that provide software developers with a one-stop shopping resource for data components, database schemas and segments, and other data technologies.

XML Gallery

The XML Gallery contains information resources such as submission packages, elements, attributes, and schemas that have been registered by DoD software developers. These information resources use XML—a platform- and vendor-independent format for exchanging data—to handle data, data structures, and data descriptions (metadata).

Taxonomy Gallery

The Taxonomy Gallery provides XML-based taxonomy files that describe one or more nodes in a hierarchical classification of items, and their relationships to other nodes. The taxonomy files registered with the Taxonomy Gallery are organized by governance namespace.

Technical Specifications

Client

- An internet connection.
- Microsoft® Internet Explorer version 6 or higher.
- Metadata Registry account.
- WinZip® to submit or download packages to/from the Metadata Registry.

Server

- RED HAT® Linux 3
- Apache Tomcat 5.0
- Java™ 1.4.2
- Oracle® 10g
- BEA® WebLogic 8.1
- OMAR ebXML .5

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Reference Gallery

The Reference Data Set Gallery provides collections of related data that represent a defined entity within a community of interest. Examples of reference data sets include country codes, U.S. state codes, and marital status codes.

Data Element Gallery

The Data Element Gallery manages the relationships that may exist between data elements within the MDR. Most relationships are defined by developers using data elements provided in the submission package's manifest file. Other relationships are defined automatically during the processing of submitted registry documents.

The Data Element Gallery provides guidance in the generation and use of XML among DoD communities of interest and is the authoritative source for registered XML data and metadata components.

Benefits

- Promotes reuse through rapid discovery of registered data components (i.e., metadata artifacts).
- Provides an Enterprise view of all metadata artifacts and an Enterprise search capability for rapid discovery.
- Enables users to define relationships between data components.
- MDR's workflow/governance model enables COIs to govern their own metadata.
- Clearinghouse facilitates rapid user feedback and response.
- Quick Facts: The Metadata Registry & Clearinghouse has more than 100,000 registered metadata artifacts and over 6,000 registered users in the DoD, NASA, and Intelligence communities.
- For more information:
<https://metadata.dod.mil/> and
<https://mdrbeta.fgm.com>



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