VENDOR DIRECTORY on the use of FIBO

A Directory of 12 Vendors Who Have Implemented FIBO to Deliver Better Data Management and Technology Solutions

FIBO
Financial Industry Business Ontology

Twelve EDM Council members were featured at the 4th annual FIBO Days event held during the 2018 Enterprise Data World Conference. These companies gave presentations and demonstrations showcasing their use of the EDM Council's Financial Industry Business Ontology (FIBO™) standard.

EDM COUNCIL VENDOR DIRECTORY
Table of Contents

ADAPTIVE, INC.

What it is

Adaptive Metadata Manager is a web-based repository that is designed for use in metadata management. It facilitates governance, compliance and transparency of the metadata management process. Adaptive FIBO Search is a cloud-based demonstrator application showing the applicability of Adaptive's technology to FIBO.

What it does

Adaptive Metadata Manager provides the capability to capture and manage the data definitions from various sources – including relational databases, big data systems, reporting tools, XML, JSON and program structures – and map them to higher level business-oriented models including logical, UML, glossary and ontology models such as FIBO. It can also capture how the information is moved and used, and the detail of the transformations that occur – captured from both ETL tools and program code. The metadata captured from all these sources is managed in a role-based environment that provides each metadata role (data modeler, report developer, business user, data steward…) with exactly the capabilities and access privileges that are appropriate for their needs.

Adaptive FIBO Search provides a business- and mobile-friendly user interface to allow people to look up FIBO concepts and browse their relationships.

Why it is important

"Metadata Management" is the process of managing an organization's data assets in the context of how they are used by systems and business processes. This enables effective changes to the data assets to be made and the full impact of changes to be understood. Organizations realize the need for a metadata repository when they have reached the limit of process and data modeling tools and/or homegrown Microsoft® Office databases and spreadsheets and recognize the need for an open, enterprise scalable repository. By uniting the technical data with models such as FIBO that provide shared meaning, Adaptive allows organizations to manage the big picture regardless of technology or organization silos. Adaptive FIBO Search provides anyone (Adaptive customer or not) easy and fast, zero-install, access to FIBO meanings at their fingertips

Who is using

Adaptive Metadata Manager provides a completely collaborative environment for both technical and business people with a role-based user interface including navigation maps, views, item types and classification schemas tailored to the needs of each metadata role including those related to specific elements such as data steward and stakeholder. Adaptive FIBO Search is used by anyone wanting quick access to FIBO definitions

Where it is going

Adaptive is moving to a completely semantic- and standards-based based platform which will integrate data and metadata management.

CAMBRIDGE SEMANTICS

What it is

Anzo is a self-service scalable data management and analytics platform that empowers business users to catalog, prepare and share enterprise data, manage business glossaries, assess data quality, deploy enterprise knowledge graphs, prepare data for reporting, analytics, and machine learning, and to perform interactive discovery analytics and visualization without calling on IT. For more information, click here.

What it does

Anzo connects to both internal and external data sources – including cloud or on-premise data lakes – to rapidly ingest large volumes of structured and unstructured data through horizontally scaled, automated ETL processes that can be mapped to establish a Semantic Layer of business meaning. Anzo provides a newer, smarter approach to the data catalog by leveraging graph models encoding a Semantic Layer that describes the data in business context, while capturing all types of disparate data required, spanning all enterprise data sources and data sets. Users add Data Layers containing multi-dimensional graph data sets to their Graphmarts for data cleansing, transformation, semantic model alignment, relationship linking, and access control. Data Layers are used to dynamically enhance data in an iterative manner to drive continuous improvement of data richness, quality and connectivity. Anzo's analytics provides an interactive and intuitive exploratory experience that allows citizen data scientists, business users and analysts self-service access to even the most complicated data and to receive real-time answers to ad-hoc questions, unaided by IT, without the need for query language skills.

Why it is important

Anzo is a self-service, on-demand, scalable data engineering and analytics platform that enables rapid data and analytics supply chain innovation by empowering business users to catalog, collaborate, prepare, discover, and analyze data interactively using familiar business terminology provided by semantic layers without the need for query and programming language skills. For more information, click here.

Who is using

Anzo's customer list includes the largest organizations in financial services, pharma, healthcare, retail, government and other sectors.

Where it is going

Anzo continues to innovate in automated discovery, cataloging, harmonization, and analytics to harness enterprise distributed, disparate, non-homogeneous data resources for governance and for competitive advantage.

COLLIBRA

What it is

As the leader in data governance and catalog software, Collibra helps organizations across the world gain a competitive advantage by maximizing the value of their data across the enterprise. Collibra is the only solution purpose-built to address the gamut of data stewardship, governance and management needs of the most complex, data-intensive industries. Our flexible and configurable cloud-based or on-premises solution puts people and processes first – empowering every data citizen to find, understand and trust the data to unlock business value. For information, click here.

What it does

Collibra allows data consumers to:

- Easily FIND the right data
- Quickly UNDERSTAND what the data means, from basic context such as the data dictionary and business glossary to advanced semantic context with taxonomies, hierarchies and relations – including being able to load and tag relevant industry standards such as FIBO
- Explicitly TRUST the data because its entire context is known
- Advance DATA PRIVACY in a changing regulatory environment

For more information, click here.

Why it is important

Organizations are shouting the slogan "Data is a strategic asset," but their execution on data maturing remains very ad-hoc. Collibra's "System of Record" for the CDO (and data organization) allows an organization to streamline their critical data processes and grow data maturity by providing both enablement (e.g. finding the data) and control (e.g. stewardship).

Who is using

Collibra has customers in all industries (financial services, healthcare, pharma, telco, transportation, manufacturing, high tech, government, etc.). Users of the product are the data citizens (anybody who uses data to do their job) in a collaboration between business and IT.

Where it is going

Collibra is recognized as the market leader in data governance, and we'll continue to build this market. Catalog and GDPR (with a direction of Data Risk/Value Management) are two big drivers to expand the Data Governance Category over the next couple of years.

EXPRENTIS, INC.

What it is

Resolvian is a software platform designed for the development of cognitive assistants and regulatory knowledge bases. The current cognitive assistants help with the automation of fraud and compliance case investigations (Amy Resolvian) and provide support for model risk and regulatory knowledge management (Rick Resolvian).

What it does

Amy Resolvian is a cognitive case worker that can: triage alerts to reduce the false positive alert queue; collate all necessary information; assess customer financial crime risk; investigates financial crime cases; provide justification for case resolution; use deductive and predictive reasoning; detect and analyze suspicious networks; be consistent and adhere to corporate and regulatory policies; immediately respond to regulator subpoenas or audits.

Rick Resolvian assists with the model risk and regulatory knowledge management tasks. Rick can: help to build repositories of analytical models; provide model transparency; represent red-flags, regulations and policies; manage model risk and configurations; carry out model optimization and validation tasks; analyze regulatory risk coverage; maintain model-data dependencies; react to regulator requests.

Amy and Rick Resolvian capabilities rely on the regulatory knowledge representation that uses FIBO concepts properties.

Why it is important

The Resolvian cognitive assistants help to address the significant complexities related to the risk management of large model libraries and the efficiency and quality of fraud and compliance case investigations conducted by financial services firms. Detection, investigation, and prosecution of financial crime pose a significant challenge and it is an important task with deep societal and economic impacts. The amount of money laundered globally per year ranges from 2-5% of global GDP, or $0.8 - $2 trillion. Detection of transactions financing terrorist activities can help save human lives long before terrorist acts happen. The current Resolvian assistants are built to meet those challenges while improving the efficiency and lowering the cost of compliance operations.

Who is using

The primary users of the current Resolvian assistants are Anti-Money Laundering – AML Compliance and Model Risk Management departments of financial institutions. Resolvian is a new software platform being released with few pilot deployment projects under considerations. For over ten years, components of the Resolvian platform have been used by the Exprentis team to support delivery of services covering development, optimization, and validation of AML and risk assessment models.

Where it is going

The Resolvian platform is a generic software product integrating modern stack technologies from multiple areas including, but not limited to: semantic technology, knowledge representation, deductive and predictive reasoning, statistics, machine learning, and natural language processing. The long-term goal for the platform development is to achieve a state where Resolvian cognitive assistants can be fully developed only by their training by experts, without the necessity of regular software programming tasks. "Computers should be taught, not programmed®" is a registered trademark of Exprentis.

IBM Models

What it is

IBM Industry Models provide a catalog of industry-specific terminology and concepts, data structure designs, and KPI; report designs which can quickly help governance, compliance and integration efforts, embedding an understanding of a particular industry in their core. Industries supported include Banking, Financial Markets, Insurance, Healthcare and Energy and Utilities.

For more information, see the White Paper by William McKnight and Associates, IBM Industry Data Models in the Enterprise, click here.

What it does

IBM Industry Models can help accelerate your analytics journey by applying best practices using pre-designed industry-specific content. It can help you manage your enterprise data whether in your data warehouse or in the data lake, so you can derive insights and make informed decisions. IBM Industry Data Models also work hand-in-hand with IBM Process and Service Models, which are specifications of processes and services common among organizations in a particular industry. They represent our best practice business process models with supportive service definitions for development of a fluid, service-oriented environment. Many organizations choose to complement their IBM Industry Data Model together with IBM Process and Service Models. While not limited to IBM Analytics software, the IBM Industry Models are well supported within the Unified Governance and Integration suite of offerings, such as Infosphere Information Governance Catalog.

Why it is important

Industry Models provide a top-level to implementation-level route, which cover the breadth and complexity of an industry, but use a number of entry points and scoping mechanisms to provide a shortcut to the required business use case, allowing the user to understand only what they need to know to support a given area (such as credit card fraud analysis) while laying down a foundation and series of layers of the significant information elements required to focus on a particular key area of the business. They also provide a link to FIBO, by relating FIBO classes to the central set of terms that are used to describe the Banking and Financial Industry.

Who is using

The Industry Models have been used for over 25 years used by more than 300 leading Banks and Insurance companies, where they serve in a variety of capacities – from supporting Data Consolidation initiatives and Business Process Re-Design to addressing Risk & Compliance issues such as Anti-Money Laundering, Sarbanes-Oxley, or Basel II.

Where it is going

The focus of Industry Models has always been – and continues to be – to serve the information needs of the industry. This means supporting the industry as it changes, for example with greater digitalization and accuracy of measuring the business, as well as keeping up with the ever-increasing frequency of change in the regulatory space. IBM is looking to the power of Machine Learning to provide greater acceleration in addressing these concerns and is actively working to provide access to the mature and comprehensive business coverage through an open platform approach.

INFORMATICA

What it is

Informatica's Intelligent Data Platform provides modular and integrated solutions spanning all aspects of data management including Enterprise Data Governance. Our platform for Enterprise Data Governance uniquely combines a [machine-learning-based data catalog](#) for classification and organization of data assets and relationships, an [industry leading data quality capability set](#) for profiling and automated monitoring of data, and a [unified data governance collaboration framework](#) for a shared understanding of business terminology, linkage from these business facets to data assets, searchable and actionable views and dashboards, and workflow for ongoing management, attestation, and exception management processes.

What it does

Informatica's Enterprise Data Governance solution provides data lineage with the creation of end-to-end data and business flows, leveraging insight maps to visualize and expose impacts, independencies, duplication, fragmentation, and more. The platform creates a collaboration framework to capture and consume a shared understanding across data dictionaries, business terms, and technical metadata for critical data elements. These data elements are connected to business context, such as processes, to express data and data quality in business terms and ensure the broadest engagement, with knowledge transfer across functional silos and disciplines. The platform thus allows for an integrated view of your core assets to ensure compliance with regulations like BCBS 239 and GDPR and empowers business and IT users to operate with a shared understanding.

Why it is important

Data governance isn't solved in one corner of the organization. It's a collaboration between IT and business, who must consistently and collaboratively improve the trustworthiness and quality of their data to power key business initiatives and ensure regulatory compliance. Informatica is the only vendor in the market to offer a truly enterprise data governance solution that can be used on-premises or in the cloud, with traditional data or big data use cases, to meet the needs of both the business and IT. For more information, [click here](#).

Who is using

Informatica solutions are used extensively across a wide range of industries. In financial services specifically, Informatica has 800+ customers including 31 out of the top 35 worldwide largest banks, 9 out of the top 10 global investment banks, 20 out of the top 27 European banks, 43 out of the top 50 US banks and 23 out of the top 25 US insurers.

Where it is going

Our Enterprise Data Governance platform is a key area of R&D at Informatica where we are looking to increase automation and efficiencies with our CLAIRE engine. Using machine learning and other AI techniques, CLAIRE leverages the industry-leading metadata capabilities of the Informatica Intelligent Data Platform to accelerate and automate core data management and governance processes such as an application of data quality monitoring to critical data elements, dataset similarity detection and semantic inference and suggested application of data security controls. And of course, as the underlying data landscape continues to evolve, we will continue to offer the widest breadth of connectivity for metadata and data access on-premises, cloud, big data, structured, and unstructured data assets.

INTELLIGENTTAG INC.

What it is

Symmetry is the first property-graph platform that helps organizations govern and manage ontology-driven value. Symmetry employs the IntelligentTag Insight™ methodology. Its users can Learn, Engage, Analyze and then Predict ("LEAP") – using data-mining, and rules-based techniques, including semantic- and pattern-matching. In no time at all, organizations can quickly derive knowledge from industry-specific ontologies, such as FIBO, and manage an ontology-driven data lifecycle using their methodologies, standards, rules and best practices.

What it does

Symmetry supports both metadata and operational data governance, using data-driven approaches. Symmetry positions ontologies as first-class citizens, to level the analytical landscape. From interfacing with live data feeds to analyzing trends, Symmetry provides an actionable user experience, by which every dimension can be linked, to uncover insight. Users can link their instance data with FIBO terms such as Swap, Derivative Instrument, etc. – and create new named relationships, properties and tags to derive new insight, using rules-based pattern analytics. Questions are easily answered through actionable reports, charts, geo maps, heat maps and dashboards, made specific for any stakeholder.

Why it is important

Symmetry extends the reach of RDF-compliant ontologies to property graphs – enabling the complementary and powerful combinations of property graphs, triple-stores, ontologies and worldwide open source community development. Symmetry empowers business users to collaborate across a common context, while ensuring the platform is open and extensible, leveraging value-add capabilities from the community, third-party tools, and other technologies and ecosystems.

Who is using

Symmetry is used by some of the largest organizations in financial services and gaming, supporting millions of transactions per day.

Where it is going

Symmetry will continue to democratize data across the enterprise while ensuring full lifecycle governance. Symmetry's continued investment in ontology definition, use, and extensibility are paramount for analytics, interoperation, and standardization within any vertical.

NO MAGIC, INC.

What it is

The Cameo Concept Modeler is a semantics modeling plugin for the award-winning Cameo suite of modeling tools from No Magic. It builds on a strong foundation of standards-conformant products for collaboration, enterprise architecture, system engineering, system simulation, software generation, requirements management, and model configuration management.

What it does

The Cameo Concept Modeler provides a simple way to build concept models that describe the meaning of things that exist in the real-world domain of a community. A concept model has a wide range of uses, including training, business re-engineering, requirements analysis, law and regulation analysis, data analysis, data governance, and even querying of data in the terminology the community wants to use. A concept model has a simple, standards-based graphical notation and an automatically-generated plain-English glossary that every community member can easily understand and validate. Not only does a concept model help community members take control of their own terminology, it helps connect the terminology to other things. For example, someone who does not have an advanced degree in ontologies can understand, reuse, and connect concepts in ontologies from the growing semantic web community.

The Cameo Concept Modeler helps you crawl, walk, and then run. Start by importing a simple list of concept labels and rough definitions. Arrange these concepts into an "is-a-kind-of" hierarchy. Define each term relative to its position in that hierarchy. Connect concepts with verb phrases, such as "contains" and "produces". Export your concept model out to the Web Ontology Language and you have yourself a first cut at an ontology! If you have ontologists on staff, they can analyze and edit the Web Ontology Language in a variety of formats, leveraging automated reasoning to add puzzle-solving capabilities, then re-ingesting changes back into the concept model, leaving diagrams undisturbed. If you have an information system development staff, they can make design decisions in the Cameo Concept Modeler's transformation wizard to transform a concept model into an information model for an information system. These design decisions can be replayed any time a concept model changes. The wizard automatically derives complex mappings from a concept model to an information model, and vice versa, to support semantic interoperability and information federation, for use with federation engines, such as the one from Model Driven Solutions, that implement the Semantic Modeling for Information Federation (SMIF) specification.

Why it is important

The Cameo Concept Modeler is the first tool of its kind. It bridges together community terminology, the semantic web, enterprise architecture, system engineering, and information technology. The focus is on what concepts mean to a community of people, which can then be used to generate other correct technological artifacts that your "techies" can understand, determine what data represents, follow reporting regulations, and exchange data between your data silos. It puts you in control. For more information, click here.

Who is using

The primary users of the Cameo Concept Modeler are organizations that want to get a handle on their terminology and then connect it to the world of the semantic web, enterprise architecture, and systems engineering. We have well-known customers from aviation, healthcare, government, and finance, not to mention organizations working on standards, such as the EDM Council.

Where it is going

The ambitious long-term goal for the Cameo Concept Modeler is to have all endeavors within and among enterprises aligned with a concept model. These endeavors include training, business re-engineering, requirements analysis, law and regulation analysis, data analysis, data governance, and even querying of data in the terminology the community wants to use. Version 19.0 of the Cameo Concept Modeler is about to be released. It focuses on accurately representing and visualizing widely-used, existing ontologies. We expect upcoming releases to improve support for the Semantic Modeling for Information Federation (SMIF) specification, the graphical and natural-language representation of concept models, dynamic visualization, and browser-based collaboration. We also expect to move services into the cloud, such as OWL ingestion, OWL generation, and natural language glossary generation.

OPENRISK

What it is

OpenRisk is a FinTech startup providing a comprehensive Derivatives Collateral and Liquidity Management platform by leveraging Semantic Web (FIBO), AI, and Blockchain technologies. The OpenRisk platform offers the following functional modules - 1) ISDA Agreement Rationalization, 2) Derivatives Data Harmonization, 3) Exposure Calculation and Margin Workflows, 4) Collateral Optimization and Inventory Rebalancing, and 5) Blockchain Bridge. The value proposition for our clients includes firm-wide linked data and analytics, complete lifecycle automation, reduced Total Cost of Ownership, and firm-wide reduced risk.

What it does

ISDA Agreement Rationalization – ISDA Agreements are a complex set of bespoke contracts that not only captures the legal definitions and implications of a derivative trading relationship but also captures complete details of data-to-day operational considerations and obligations. We impose FIBO-based concepts on ISDA Agreements and extract relevant information to create completely digitized contracts – Semantic Contracts.

Data Harmonization – Collateral Management operation requires various types of data from both internal and external sources such as ISDA Contracts, Market data, Valuation data, Collateral Holdings, Asset Inventories, etc. OpenRisk harmonizes data from these various sources into a linked graph that makes any further analytics, calculations and workflows a seamless effort.

Exposure Calculation and Margin Workflows – Derivatives Collateral Management practice is a very intensive operational effort on a daily basis. Regulations reshaping the global markets are not making these operations any easier. OpenRisk brings together the data model around ISDA Agreements and Event models on underlying products to completely automate the exposure calculations and margin workflows.

Collateral Optimization and Inventory Rebalancing – Post-2008/09 global liquidity crunch, measuring and controlling the cost of collateral has become the most critical function of derivatives trading and risk management practice. This has a direct impact on any firm's balance sheet. OpenRisk employs Semantic Web and AI to accurately measure the cost of collateral and manage/control the balance sheet liquidity risk.

Blockchain Bridge – Collateral management has been proven to be one of the prime use-cases for Blockchain technology. However, there won't be a time when one Blockchain network will prevail. However, creating Blockchain silos is not a solution either. OpenRisk uses Semantic Blockchain to seamlessly interoperate across multiple different Blockchain networks.

Why it is important

Derivatives are the largest products transacted in the world and play a critical role in reducing the uncertainty that comes from changing interest rates, exchange rates, credit, and commodity and equity prices. Hence derivatives are vital for global economic activity and growth. OTC Derivatives market takes the lion's share of the derivatives market, a whopping $540+ trillion market by notional value. According to the Basel Committee, one of the primordial reasons for the 2008/09 global financial crisis was mismanagement of derivatives risk. According to a recent study by PwC and DTCC, the cost of collateral operations will increase by nearly 240% between 2015 and 2020. It also suggests that an annual opportunity cost of not doing sophisticated collateral optimization is nearly $570 million per sell-side market participant. For more information, click here.

Who is using

The primary users of Derivatives and hence need to manage risks are financial services firms. Most of the businesses that use derivatives as a hedging strategy use financial institutions to manage the operations and risks. Some of the focus areas within global capital markets include Broker-Dealers, Asset Managers, Prime Brokers, Custodians, FCMs, CCPs, Intermediaries, Insurance providers, Bank Treasury operations, Pension Funds, and Hedge Funds. The OpenRisk platform is under consideration for evaluation by 12 of the top 20 global banks.

Where it is going

While the Derivatives risk management practices are the peak of margin workflow automation, the industry is only beginning to understand and get the basic grasp of a sophisticated optimization platform. The industry is more gravitated towards a Blockchain ecosystem to gain most needed efficiencies. Application of AI is another high potential area for various parts of the derivatives trading and risk management lifecycle. A sophisticated data management, AI, and Semantic Blockchain are the most innovative / disrupting paths to manage derivatives risk and avoid a global financial meltdown in case of a 'Lehman Brothers-like event' again.

STARDOG UNION

What it is

Stardog is a reusable, scalable knowledge graph platform that enables enterprises to unify all their data, including data sources and databases of every type, to get the answers needed to drive business decisions.

What it does

Stardog combines graph data models, logical and declarative reasoning, data virtualization and integrated machine learning in a single knowledge toolkit. All based on W3C open technology standards, Stardog's knowledge graph offers the maximum flexibility to create the future state of data consumption and delivery for business users and applications. The knowledge graph allows a query, an API or a machine-learning model to treat every piece of information the company knows about a given subject like it sits in a single, logically coherent database at query time.

Why it is important

Large enterprises have priced a staggering amount of friction and inefficiency into IT budgets due to data that's locked into silos. These silos are intractable; they happen because of the investments that get made over time in various generations of data infrastructure and across various lines of business and global markets. The cost of making these silos go away may be prohibitive from a budget, time and change management perspective, but the Stardog Knowledge Graph allows data architects and the Chief Data Office to move past silos as a physical barrier to querying the data. That's a sea change in data and architecture strategy for the enterprise, and it doesn't require massive investments in infrastructure to be ripped out and replaced. For more information, click here.

Who is using

The benefits of making data silos go away for users and applications aren't limited to a specific industry, business line or use case. Stardog is in use across the financial services, manufacturing, healthcare life sciences, and defense & intelligence communities. Some common users of the Stardog Knowledge Graph in large financial services organizations are:

- Regulatory Reporting and Risk users with needs for universal views of transactions and lineage
- Data architects who need new tools to drive success from a large warehouse and data lake investments
- Data science and machine learning teams that need faster access to the enterprise's data
- Enterprise architects who need to understand dependencies within their IT infrastructure, data flows and core business processes

Where it is going

Stardog's Knowledge Graph will continue rapid innovation in the core platform as well as the ecosystem that surrounds the knowledge graph itself. Core improvements planned for 2018 include improvements in scale and performance, added virtual graph support for enterprise data sources not already onboard, and a completely new front-end experience that makes Stardog easier for users to deploy and manage. The ways users benefit from Stardog will continue to change as well, as new tools for machine learning over and consuming data from the knowledge graph are added. The ecosystem of financial services technologies that sit on Stardog's platform is growing in 2018 to include dedicated solutions for BI and analytics, risk management, metadata management, data governance and visualization.

TOPQUADRANT INC.

What it is

TopBraid EDG is an agile data governance solution for today's dynamic enterprises. Using standards-based knowledge graph technologies, TopBraid EDG supports integrated data governance across the ever-growing numbers and types of data assets and governance needs – because connections are important.

What it does

TopBraid EDG supports all types of data assets together with any contextual information about data including enterprise metadata, reference data, business terms, data and application catalogs, structured and unstructured data sources, data lineage, data exchanges and pipelines, requirements, policies, and processes. These and all other assets can be connected to bring together enterprise information silos. TopBraid EDG is built on standards-based knowledge graph technology that seamlessly connects enterprise metadata, ensures its quality and delivers easy and meaningful access for all data stakeholders.

Information captured in TopBraid EDG is organized through the use of ontologies as data schemas. EDG lets users extend its pre-built ontology models as well as create and work with an ontology such as FIBO. Both FIBO OWL and FIBO SKOS can be natively used in TopBraid EDG. For example, FIBO can be used to define the structure and content of reference data (such as financial instruments) or as a taxonomy for surfacing the meaning of unstructured data.

Why it is important

TopBraid EDG is the only solution built to support integrated governance across all types of assets and governance needs. It helps customers understand the meaning of their data, its use, its importance and quality. In today's data-driven world, data governance is becoming critical to organizations. Through governance, various stakeholders gain access to curated, high-quality data that they can trust, and use to make decisions, both internally and externally. With its comprehensive and collaborative governance capabilities, EDG offers a staged approach that can grow organically with an organization's governance program. To learn more, click here.

Who is using

TopQuadrant's customer list includes organizations in financial services, pharma, healthcare, digital media, government and other sectors.

Where it is going

The self-descriptive knowledge graphs used by TopBraid EDG enable data validation and can also offer recommendations for adjustments to the data that may be needed to meet data model requirements. They can also help to draw conclusions from the available data and infer and discover new information. TopQuadrant continues to extend EDG both, to increase the reach and range of the data sources it governs and to grow its smart search and reasoning capabilities, by synergistically combining knowledge representation, rules and machine learning technologies.

THOMSON REUTERS KNOWLEDGE GRAPH

What it is

A graph network of 2 billion relationships brings to life a comprehensive view of the financial ecosystem so that users can uncover new, unexpected, or difficult to find insights from connected data.

What it does

The Thomson Reuters Knowledge Graph feed is a linked data feed of Thomson Reuters financial content sets with a pre-identified set of relationships, helping you to uncover previously undetected connections within and across data sets. It is a means of organizing, representing, and linking complex and diverse data types. The feed comprises of objects and relations between those objects, such as organizations, people, financial instruments and value chains. Using linked-data principles of the Semantic Web, the Knowledge Graph publishes structured data in accordance with the Resource Description Framework (RDF), and uses the open identifier standard Thomson Reuters Permanent Identifier (PermID). The Knowledge Graph feed is accessible via an API for delivery to customers' on-premise or cloud infrastructures and is constantly refreshed as new entities and relationships are discovered. For more information, click here.

Why it is important

With Thomson Reuters Knowledge Graph feed you have the ability to start incorporating Thomson Reuters content as part of your bigger Institutional knowledge graph – connecting your data world to Thomson Reuters data and 3rd party data. Graphs can also be easily connected to other graphs as long as the graph databases share some common standards – typically around how entities (like people or companies) and relationships are represented.

Who is using

A wide range of financial services firms from both the buy and sell side are solving business challenges with Thomson Reuters Knowledge graph feed solution:

- Improving the search productivity of investment research departments by enabling discovery of previously undetected relationships between entities, persons and events.

- Customer Relationship Management (CRM) and Business Development Systems are enhanced by combining internal Thomson Reuters and third-party data into a graph network of sales leads and connections.

Where it is going

New content sets are being added throughout 2018 and into 2019 and additional database and visualization partners will add support for the Knowledge Graph.

ABOUT EDM COUNCIL

The EDM Council is a 501(c)(6) non-profit trade association founded to elevate the practice of data management as a business and operational priority. The Council is a leading advocate for the development and implementation of data content standards and the publication of data management best practices.

ABOUT FIBO

FIBO is a joint initiative by the EDM Council and financial services organizations to create common, global data standards and definitions for financial instruments, pricing, business entities and contractual concepts.

FIBO is a standard for meaning and inference processing about complex financial concepts. It took a big step forward in the wake of the global financial crisis, as a common vocabulary, conceptual data model and processing standard to help banks and regulators better understand and aggregate financial risk.

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Join our FIBO focus groups on EDMConnect to hear more from these experts.