

We are now Refinitiv, formerly the Financial and Risk business of Thomson Reuters. We've set a bold course for the future – both ours and yours – and are introducing our new brand to the world.

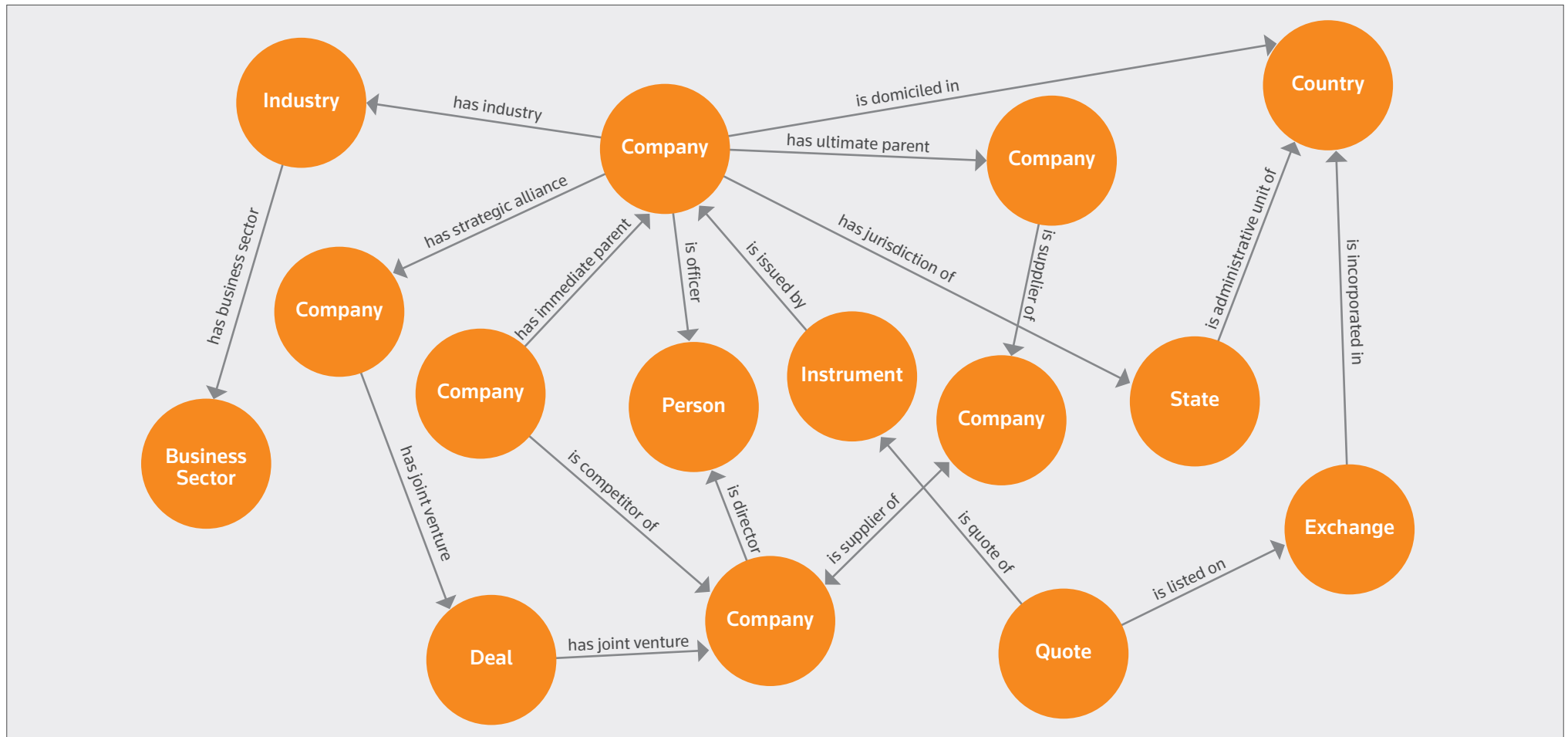
As our brand migration will be gradual, you will see traces of our past through documentation, videos, and digital platforms.

Thank you for joining us on our brand journey.



Thomson Reuters Knowledge Graph Feed Content

A linked data feed of Thomson Reuters financial content sets with a pre-identified set of relationships helping you uncover previously undetected connections within and across data sets.



There are two Knowledge Graph feed commercial packages:

- Thomson Reuters Knowledge Graph feed – Core Entities (includes all the content outlined in this document)
- Thomson Reuters Knowledge Graph feed – Value Chains (includes only the Value-chains content sets outlined on page 3)

Thomson Reuters Knowledge Graph feed includes bulk delivery of the following content sets along with specific metadata.

Content Set	Content	Example Fields	Example Relationships
Knowledge Graph – Core Entities			
<p>Organizations</p> <p>Thomson Reuters Organization Authority is central to the connection of tradable instruments, business transactions, news and events.</p> <p>Entity data is gathered from more than use numeral 1,000 primary sources, including Exchange, Registrar, Regulator, Annual Report and Prospectus.</p>	<p>Includes 4.6M organizations, current and historical, that Thomson Reuters has identified as involved in the capital markets, including deeper content around, for example, public and bond issuers, M&A participants and investors, including fund managers and private equity. Over 1.2 million hierarchy relationships.</p>	<p>Over 100 fields are available, including:</p> <p>Names Local Language & Official Names. Former Names & Alias</p> <p>Address & Contact Headquarters Address, Registered Address, Website, Phone</p> <p>Identifiers PermID, LEI, CIK, Registration Number, Tax Identifier</p>	<p>Hierarchy Immediate & Ultimate Affiliates, Successor</p> <p>Country Domicile, Incorporation, Jurisdiction</p> <p>Regulators Registration Authority Tax Authority Primary Regulator</p>
<p>Instruments & Quotes</p> <p>Comprehensive equity data covers all exchanges and allows customers to connect company data to security masters. With instruments and quotes, customers can identify which tradable securities are impacted by any company-level information.</p>	<p>Includes all current and historical Equity Instruments and Quotes, 240K equity instruments and 1.17 million equity quotes across 160 exchanges.</p>	<p>Instrument PermID, Instrument Name, Asset Class, Active/Inactive Status</p> <p>Quote PermID, RIC, Ticker, MIC, Exchange, Currency & Currency Unit</p>	<p>Issuers Instrument to Issuer Quote to Instrument</p> <p>Metadata Currency, Asset Class, Share Class, Exchange</p>
<p>Officers & Directors</p> <p>Thomson Reuters Officers and Directors is one of the most comprehensive databases of public company executives and directors in the world.</p>	<p>Over 2 million officer and director positions, including historical positions from 1998. Every person is uniquely identified independently from his or her position. Coverage includes all Public and Private Equity backed companies.</p>	<p>Available fields include:</p> <p>Personal Details Name, Age, Biography, Education</p> <p>Work History Corporate Affiliations, As-reported and Standardized Titles, Committees Served</p>	<p>Role Officer, Director</p> <p>Personal Committee, Education, Qualification</p>
<p>Metadata</p> <p>Thomson Reuters provides a comprehensive set of metadata that describe the financial markets including the content, taxonomies and relationships available from Thomson Reuters publish.</p> <p>We make available all the metadata needed to understand the content within the Knowledge Graph, plus additional metadata that indicates what other content is available from Thomson Reuters.</p>	<p>Over 5 million metadata entities, including major classification systems and detailed data item coverage for every Thomson Reuters published content set. Includes ISO and other industry standards where applicable.</p>	<p>Available metadata includes:</p> <p>Classification Systems Industry Classifications – TRBC, NAICS Asset Classes: Equity, Commodities, Fixed Income, FX News Topics</p> <p>Core Metadata Geographies, Countries, Cities Commodities, Currencies, Languages Holidays, Units, Time Zones</p> <p>Data Set Specific Metadata Relationships, Definitions, Data Elements</p>	<p>Geographies Administrative Units, Subdivision</p> <p>Industry Business Sector, Industry</p> <p>Currencies Currency CurrencyUnit</p> <p>Taxonomies Asset Class Hierarchy</p>

Content Set	Content	Example Fields	Example Relationships
Value Chain Relationships			
<p>Supply Chain</p> <p>Thomson Reuters growing collection of publicly disclosed supplier and customer relationships.</p> <p>Provides evidence text (aka snippets) that went into determining the relationship.</p>	<p>190,000 relationships for 28,000 companies extracted from 11 million publicly available sources dating back to 2011. Coverage for 5,000 public companies.</p>	<p>Agreements Organizations, Confidence Score</p> <p>Source Information Text, Date, Source Type</p>	<p>Supply Chain Supplier Customer</p>
<p>Comparable Companies</p> <p>Find competitors, peers and related companies to identify comprehensive and often non-obvious targets.</p>	<p>Comparable Companies is a list of 2 million relationships for 200,000 companies generated using a proprietary algorithm that analyzes co-occurrence and frequency of appearances within news, together with industry and geography information.</p>	<p>Organizations Relative Similarity Score</p>	<p>Comparable Company</p>
<p>Joint Ventures & Strategic Alliances</p> <p>Thomson Reuters Joint Ventures & Strategic Alliances includes agreements that result in the formation of new entities (JVs) and business partnerships (alliances).</p>	<p>Dating back to 1985, Thomson Reuters JVs & Alliances covers over 60,000 Joint Ventures and 80,000 Strategic Alliances.</p>	<p>Up to 100 fields are available, including:</p> <p>Deal Information Dates, Investment, Size, Duration</p> <p>Agreement Type Technology, Marketing, Product, Cross-Border Alliance</p>	<p>Joint Venture Strategic Alliance Resulting Company</p>
<p>Industry Classification</p> <p>Thomson Reuters Business Classification (TRBC) is a comprehensive, detailed and up-to-date market-oriented sector and industry classification.</p>	<p>Over 727,000 companies in 130 countries with five levels of industry classification. History is available back to 1999.</p>	<p>In addition to the industry assignment, the dates of prior assignments and prior classification schemes are available.</p>	<p>Economic Sector Business Sector Industry Group Industry Activity</p>

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