

Global Knowledge Graph Market Size Study & Forecast, by Deployment Model, Data Source, Industry Vertical, and Regional Forecasts 2025-2035

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Abstracts

The Global Knowledge Graph Market is valued at approximately USD 1.26 billion in 2024 and is poised to expand at a robust CAGR of 18.62% over the forecast period 2025-2035. As businesses race to unravel intricate data relationships and drive contextual intelligence, knowledge graphs have emerged as a transformative force in modern data infrastructure. Designed to represent complex connections between entities, these graph-based systems empower organizations to infer, query, and reason with massive datasets that traditional relational models often struggle to manage. With the accelerating growth of data from structured and unstructured sources alike, enterprises are increasingly embracing knowledge graph platforms to amplify their decision-making precision, automate semantic search, and foster machine reasoning.

The widespread adoption of artificial intelligence and machine learning frameworks has propelled knowledge graphs into the strategic forefront, particularly in use cases like enterprise search, recommendation engines, fraud detection, and personalized customer experiences. Industries ranging from financial services and healthcare to IT & telecom and manufacturing are integrating these graphs to dismantle data silos and unlock actionable insights. Moreover, cloud-based deployments are surging due to their scalability, flexibility, and ease of integration with existing enterprise ecosystems, especially as hybrid data environments grow more prevalent. On-premises models remain relevant for sectors with stringent compliance and data governance requirements.

Regionally, North America is expected to lead the global knowledge graph market, driven by the concentration of advanced tech companies, early adopters of semantic technologies, and a well-funded AI innovation landscape. The United States, in

particular, is witnessing widespread knowledge graph implementation across sectors such as financial services and e-commerce. Meanwhile, Europe is also gaining traction, backed by regulatory support for knowledge-based systems and digital transformation initiatives across the EU. Asia Pacific, however, is anticipated to exhibit the fastest growth rate, propelled by rapid enterprise digitization in countries like China and India, the emergence of AI startups, and increasing demand for contextual data solutions across telecom, retail, and manufacturing sectors.

Major market player included in this report are:

Microsoft Corporation

Google LLC

IBM Corporation

Amazon Web Services, Inc.

Oracle Corporation

SAP SE

Cambridge Semantics Inc.

Ontotext AD

Neo4j, Inc.

Stardog Union, Inc.

TigerGraph, Inc.

Franz Inc.

Yewno, Inc.

OpenLink Software

Cycorp, Inc.

Global Knowledge Graph Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period – 2025-2035

Report Coverage – Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope – North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope – Free report customization (equivalent up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

By Deployment Model:

Cloud-based

On-premises

By Data Source:

Structured

Unstructured

Semi-structured

By Industry Vertical:

Healthcare

Financial Services

Retail

Manufacturing

IT & Telecom

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. GLOBAL KNOWLEDGE GRAPH MARKET REPORT SCOPE & METHODOLOGY

- 1.1. Research Objective
- 1.2. Research Methodology
 - 1.2.1. Forecast Model
 - 1.2.2. Desk Research
 - 1.2.3. Top-Down and Bottom-Up Approach
- 1.3. Research Attributes
- 1.4. Scope of the Study
 - 1.4.1. Market Definition
 - 1.4.2. Market Segmentation
- 1.5. Research Assumption
 - 1.5.1. Inclusion & Exclusion
 - 1.5.2. Limitations
 - 1.5.3. Years Considered for the Study

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. CEO/CXO Standpoint
- 2.2. Strategic Insights
- 2.3. ESG Analysis
- 2.4. Key Findings

CHAPTER 3. GLOBAL KNOWLEDGE GRAPH MARKET FORCES ANALYSIS

- 3.1. Market Forces Shaping the Global Knowledge Graph Market (2024–2035)
- 3.2. Drivers
 - 3.2.1. Rapid Growth in Big Data and Semantic Technologies
 - 3.2.2. Increasing Demand for Contextual Search and Recommendations
 - 3.2.3. Integration with AI/ML Frameworks for Advanced Analytics
- 3.3. Restraints
 - 3.3.1. Complexity of Graph Data Modeling and Maintenance
 - 3.3.2. High Implementation and Integration Costs
- 3.4. Opportunities
 - 3.4.1. Expansion into Emerging Verticals and Use Cases
 - 3.4.2. Growth of Cloud-Based Knowledge Graph-as-a-Service Offerings

CHAPTER 4. GLOBAL KNOWLEDGE GRAPH INDUSTRY ANALYSIS

- 4.1. Porter's Five Forces Model
 - 4.1.1. Bargaining Power of Buyers
 - 4.1.2. Bargaining Power of Suppliers
 - 4.1.3. Threat of New Entrants
 - 4.1.4. Threat of Substitutes
 - 4.1.5. Competitive Rivalry
- 4.2. Porter's Five Forces Forecast Model (2024–2035)
- 4.3. PESTEL Analysis
 - 4.3.1. Political
 - 4.3.2. Economic
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top Investment Opportunities
- 4.5. Top Winning Strategies (2025)
- 4.6. Market Share Analysis (2024–2025)
- 4.7. Global Pricing Analysis and Trends (2025)
- 4.8. Analyst Recommendations & Conclusion

CHAPTER 5. GLOBAL KNOWLEDGE GRAPH MARKET SIZE & FORECASTS BY DEPLOYMENT MODEL 2025–2035

- 5.1. Market Overview
- 5.2. Cloud-based
- 5.3. On-premises

CHAPTER 6. GLOBAL KNOWLEDGE GRAPH MARKET SIZE & FORECASTS BY DATA SOURCE 2025–2035

- 6.1. Market Overview
- 6.2. Structured
- 6.3. Unstructured
- 6.4. Semi-structured

CHAPTER 7. GLOBAL KNOWLEDGE GRAPH MARKET SIZE & FORECASTS BY

INDUSTRY VERTICAL 2025–2035

- 7.1. Market Overview
- 7.2. Healthcare
- 7.3. Financial Services
- 7.4. Retail
- 7.5. Manufacturing
- 7.6. IT & Telecom

CHAPTER 8. GLOBAL KNOWLEDGE GRAPH MARKET SIZE & FORECASTS BY REGION 2025–2035

- 8.1. Regional Market Snapshot
- 8.2. Top Leading & Emerging Countries
- 8.3. North America Knowledge Graph Market
 - 8.3.1. U.S. Knowledge Graph Market
 - 8.3.1.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.3.1.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.3.2. Canada Knowledge Graph Market
 - 8.3.2.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.3.2.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
- 8.4. Europe Knowledge Graph Market
 - 8.4.1. UK Knowledge Graph Market
 - 8.4.1.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.4.1.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.4.2. Germany Knowledge Graph Market
 - 8.4.2.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.4.2.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.4.3. France Knowledge Graph Market
 - 8.4.3.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.4.3.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.4.4. Spain Knowledge Graph Market
 - 8.4.4.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.4.4.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.4.5. Italy Knowledge Graph Market
 - 8.4.5.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.4.5.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.4.6. Rest of Europe Knowledge Graph Market
 - 8.4.6.1. Deployment Model Breakdown Size & Forecasts, 2025–2035

- 8.4.6.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
- 8.5. Asia Pacific Knowledge Graph Market
 - 8.5.1. China Knowledge Graph Market
 - 8.5.1.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.5.1.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.5.2. India Knowledge Graph Market
 - 8.5.2.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.5.2.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.5.3. Japan Knowledge Graph Market
 - 8.5.3.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.5.3.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.5.4. Australia Knowledge Graph Market
 - 8.5.4.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.5.4.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.5.5. South Korea Knowledge Graph Market
 - 8.5.5.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.5.5.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.5.6. Rest of APAC Knowledge Graph Market
 - 8.5.6.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.5.6.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
- 8.6. Latin America Knowledge Graph Market
 - 8.6.1. Brazil Knowledge Graph Market
 - 8.6.1.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.6.1.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.6.2. Mexico Knowledge Graph Market
 - 8.6.2.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.6.2.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
- 8.7. Middle East & Africa Knowledge Graph Market
 - 8.7.1. UAE Knowledge Graph Market
 - 8.7.1.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.7.1.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.7.2. Saudi Arabia Knowledge Graph Market
 - 8.7.2.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.7.2.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.7.3. South Africa Knowledge Graph Market
 - 8.7.3.1. Deployment Model Breakdown Size & Forecasts, 2025–2035
 - 8.7.3.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035
 - 8.7.4. Rest of Middle East & Africa Knowledge Graph Market
 - 8.7.4.1. Deployment Model Breakdown Size & Forecasts, 2025–2035

8.7.4.2. Industry Vertical Breakdown Size & Forecasts, 2025–2035

CHAPTER 9. COMPETITIVE INTELLIGENCE

- 9.1. Top Market Strategies
- 9.2. Microsoft Corporation
 - 9.2.1. Company Overview
 - 9.2.2. Key Executives
 - 9.2.3. Company Snapshot
 - 9.2.4. Financial Performance (Subject to Data Availability)
 - 9.2.5. Product/Services Port
 - 9.2.6. Recent Development
 - 9.2.7. Market Strategies
 - 9.2.8. SWOT Analysis
- 9.3. Google LLC
- 9.4. IBM Corporation
- 9.5. Amazon Web Services, Inc.
- 9.6. Oracle Corporation
- 9.7. SAP SE
- 9.8. Cambridge Semantics Inc.
- 9.9. Ontotext AD
- 9.10. Neo4j, Inc.
- 9.11. Stardog Union, Inc.
- 9.12. TigerGraph, Inc.
- 9.13. Franz Inc.
- 9.14. Yewno, Inc.
- 9.15. OpenLink Software
- 9.16. Cycorp, Inc.

List Of Tables

LIST OF TABLES

Table 1. Global Knowledge Graph Market, Report Scope

Table 2. Global Knowledge Graph Market Estimates & Forecasts By Region 2024–2035

Table 3. Global Knowledge Graph Market Estimates & Forecasts By Deployment Model 2024–2035

Table 4. Global Knowledge Graph Market Estimates & Forecasts By Data Source 2024–2035

Table 5. Global Knowledge Graph Market Estimates & Forecasts By Industry Vertical 2024–2035

Table 6. U.S. Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 7. Canada Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 8. UK Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 9. Germany Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 10. France Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 11. Spain Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 12. Italy Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 13. Rest of Europe Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 14. China Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 15. India Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 16. Japan Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 17. Australia Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 18. South Korea Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 19. Brazil Knowledge Graph Market Estimates & Forecasts, 2024–2035

Table 20. Mexico Knowledge Graph Market Estimates & Forecasts, 2024–2035

List Of Figures

LIST OF FIGURES

- Fig 1. Global Knowledge Graph Market, Research Methodology
- Fig 2. Global Knowledge Graph Market, Market Estimation Techniques
- Fig 3. Global Knowledge Graph Market Size Estimates & Forecast Methods
- Fig 4. Global Knowledge Graph Market, Key Trends 2025
- Fig 5. Global Knowledge Graph Market, Growth Prospects 2024–2035
- Fig 6. Global Knowledge Graph Market, Porter’s Five Forces Model
- Fig 7. Global Knowledge Graph Market, PESTEL Analysis
- Fig 8. Global Knowledge Graph Market, Value Chain Analysis
- Fig 9. Knowledge Graph Market By Deployment Model, 2025 & 2035
- Fig 10. Knowledge Graph Market By Data Source, 2025 & 2035
- Fig 11. Knowledge Graph Market By Industry Vertical, 2025 & 2035
- Fig 12. North America Knowledge Graph Market, 2025 & 2035
- Fig 13. Europe Knowledge Graph Market, 2025 & 2035
- Fig 14. Asia Pacific Knowledge Graph Market, 2025 & 2035
- Fig 15. Latin America Knowledge Graph Market, 2025 & 2035
- Fig 16. Middle East & Africa Knowledge Graph Market, 2025 & 2035
- Fig 17. Global Knowledge Graph Market, Company Market Share Analysis (2025)

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