

Graph Analytics Market Size, Share, and Outlook, 2025 Report- By Application (Risk and Compliance Management, Customer Analytics, Fraud Detection, Route Optimization, Recommendation Engines, Others), By Deployment (On-premises, Cloud Based), By Organization Size (Small and Medium Enterprise, Large Enterprise), By End-User (Banking, Financial Services, and Insurance (BFSI), Transportation and Logistics, Healthcare and Life Sciences, Retail and eCommerce, Manufacturing, Telecom, Government and Public Sector, Others), By Component (Solutions, Services), 2018-2032

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Abstracts

Graph Analytics Market Outlook

The Graph Analytics Market size is expected to register a growth rate of 29.8% during the forecast period from \$2.43 Billion in 2025 to \$15.1 Billion in 2032. The Graph Analytics market is a thriving business that is poised to keep growing and presents potential growth opportunities for companies across the industry value chain.

The comprehensive market research report presents 12-year historic and forecast data on Graph Analytics segments across 22 countries from 2021 to 2032. Key segments in the report include By Application (Risk and Compliance Management, Customer Analytics, Fraud Detection, Route Optimization, Recommendation Engines, Others), By

Deployment (On-premises, Cloud Based), By Organization Size (Small and Medium Enterprise, Large Enterprise), By End-User (Banking, Financial Services, and Insurance (BFSI), Transportation and Logistics, Healthcare and Life Sciences, Retail and eCommerce, Manufacturing, Telecom, Government and Public Sector, Others), By Component (Solutions, Services). Over 70 tables and charts showcase findings from our latest survey report on Graph Analytics markets.

Graph Analytics Market Insights, 2025

The Graph Analytics Market is growing rapidly with AI-powered real-time fraud detection, automation-enhanced cybersecurity threat mapping, and machine learning-powered social network analysis. Key players such as Neo4j, TigerGraph, IBM, and Amazon Neptune are pioneering automated AI-driven graph-based anomaly detection, automation-enhanced predictive relationship analytics, and IoT-integrated real-time transaction network analysis. The increasing demand for AI-powered automated risk intelligence, automation-driven financial transaction tracking, and blockchain-backed smart contract validation is transforming industries such as finance, healthcare, cybersecurity, and retail. However, challenges in AI-powered compliance with financial crime regulations, cybersecurity risks in automation-enhanced knowledge graph analytics, and technical limitations in AI-driven real-time graph query processing persist. Additionally, corporate investment in AI-powered fraud prevention, evolving trends in automation-enhanced knowledge graph intelligence, and federal initiatives for AI-driven cybersecurity threat mitigation are influencing market expansion.

Five Trends that will define global Graph Analytics market in 2025 and Beyond

A closer look at the multi-million market for Graph Analytics identifies rapidly shifting consumer preferences across categories. By focusing on growth and resilience, leading Graph Analytics companies are prioritizing their investments across categories, markets, and geographies. The report analyses the most important market trends shaping the new landscape to support better decisions for the long and short-term future. The impact of tariffs by the US administration also significantly impact the profitability of Graph Analytics vendors.

What are the biggest opportunities for growth in the Graph Analytics industry?

The Graph Analytics sector demonstrated remarkable resilience over the past year across developed and developing economies. Further, the market presents significant opportunities to leverage the existing momentum towards actions by 2032. On the other

hand, recent macroeconomic developments including rising inflation and supply chain disruptions are putting pressure on companies. The chapter assists users to identify growth avenues and address business challenges to make informed commercial decisions with unique insights, data forecasts, and in-depth market analyses.

Graph Analytics Market Segment Insights

The Graph Analytics industry presents strong offers across categories. The analytical report offers forecasts of Graph Analytics industry performance across segments and countries. Key segments in the industry include%li%By Application (Risk and Compliance Management, Customer Analytics, Fraud Detection, Route Optimization, Recommendation Engines, Others), By Deployment (On-premises, Cloud Based), By Organization Size (Small and Medium Enterprise, Large Enterprise), By End-User (Banking, Financial Services, and Insurance (BFSI), Transportation and Logistics, Healthcare and Life Sciences, Retail and eCommerce, Manufacturing, Telecom, Government and Public Sector, Others), By Component (Solutions, Services). The largest types, applications, and sales channels, fastest growing segments, and the key factors driving each of the categories are included in the report.

Forecasts of each segment across five regions are provided from 2021 through 2032 for Asia Pacific, North America, Europe, South America, Middle East, and African regions. In addition, Graph Analytics market size outlook is provided for 22 countries across these regions.

Market Value Chain

The chapter identifies potential companies and their operations across the global Graph Analytics industry ecosystem. It assists decision-makers in evaluating global Graph Analytics market fundamentals, market dynamics, and disruptive trends across the value chain segments.

Scenario Analysis and Forecasts

Strategic decision-making in the Graph Analytics industry is multi-faceted with the increased need for planning across scenarios. The report provides forecasts across three case scenarios%li%low growth, reference case, and high growth cases.

Asia Pacific Graph Analytics Market Analysis%li%A Promising Growth Arena for Business Expansion

As companies increasingly expand across promising Asia Pacific markets with over 4.5 billion population, the medium-to-long-term future remains robust. The presence of the fastest-growing economies such as China, India, Thailand, Indonesia, and Vietnam coupled with strengthening middle-class populations and rising disposable incomes drive the market. In particular, China and India are witnessing rapid shifts in consumer purchasing behavior. China is recovering steadily with optimistic forecasts for 2025. Further, Japanese and South Korean markets remain stable with most companies focusing on new product launches and diversification of sales channels.

The State of Europe Graph Analytics Industry 2025%li%Focus on Accelerating Competitiveness

As companies opt for an integrated agenda for competitiveness, the year 2025 presents optimistic scenarios for companies across the ecosystem. With signs of economic recovery across markets, companies are increasing their investments. Europe is one of the largest markets for Graph Analytics with demand from both Western Europe and Eastern European regions increasing over the medium to long-term future. Increasing omnichannel shopping amidst robust consumer demand for value purchases shapes the market outlook. The report analyses the key Graph Analytics market drivers and opportunities across Germany, France, the United Kingdom, Spain, Italy, Russia, and other Europe.

The US Graph Analytics market Insights%li%Vendors are exploring new opportunities within the US Graph Analytics industry.

Easing inflation coupled with strengthening consumer sentiment is encouraging aggressive actions from the US Graph Analytics companies. Market players consistently focusing on innovation and pursuing new ways to create value are set to excel in 2025. In addition, the Canadian and Mexican markets offer lucrative growth pockets for manufacturers and vendors. Focus on private-brand offerings and promotions, diversified sales channels, expansion into niche segments, adoption of advanced technologies, and sustainability are widely observed across the North American Graph Analytics market.

Latin American Graph Analytics market outlook rebounds in line with economic growth.

Underlying demand remains higher among urban consumers with an optimistic economic outlook across Brazil, Argentina, Chile, and other South and Central

American countries. Increased consumer spending has been reported in Q1 -2025 and the prospects remain strong for rest of 2025. Aggressive ecosystem moves to create new sources of income are widely observed across markets in the region. Marketing activities focused on customer insights, operations, and support functions are quickly gaining business growth in the region.

Middle East and Africa Graph Analytics Markets%li%New Opportunities for Companies Harnessing Diversity

Rapid growth in burgeoning urban locations coupled with a young and fast-growing population base is attracting new investments in the Middle East and African Graph Analytics markets. Designing expansion and marketing strategies to cater to the local consumer base supports the market prospects. In addition to Nigeria, Algeria, South Africa, and other markets, steady growth markets in Ethiopia, Rwanda, Ghana, Tanzania, the Democratic Republic of Congo, and others present significant prospects for companies. On the other hand, Middle Eastern Graph Analytics markets including the UAE, Saudi Arabia, Qatar, and Oman continue to offer lucrative pockets of growth.

Competitive Landscape%li%How Graph Analytics companies outcompete in 2025?

The ability to respond quickly to evolving consumer preferences and adapt businesses to niche consumer segments remains a key growth factor. The report identifies the leading companies in the industry and provides their revenue for 2024. The market shares of each company are also included in the report. Further, business profiles, SWOT analysis, and financial analysis of each company are provided in detail. Key companies analyzed in the report include AWS, Cray, Dataiku, DataStax, Graphistry, IBM, Linkurious, Lynx Analytics, Microsoft, Neo4j, Objectivity, Oracle, Teradata, TIBCO Software, TigerGraph, Tom Sawyer Software.

Graph Analytics Market Segmentation

By Application

Risk and Compliance Management

Customer Analytics

Fraud Detection

Route Optimization

Recommendation Engines

Others

By Deployment

On-premises

Cloud Based

By Organization Size

Small and Medium Enterprise

Large Enterprise

By End-User

Banking, Financial Services, and Insurance (BFSI)

Transportation and Logistics

Healthcare and Life Sciences

Retail and eCommerce

Manufacturing

Telecom

Government and Public Sector

Others

By Component

Solutions

Services

Leading Companies

AWS

Cray

Dataiku

DataStax

Graphistry

IBM

Linkurious

Lynx Analytics

Microsoft

Neo4j

Objectivity

Oracle

Teradata

TIBCO Software

TigerGraph

Tom Sawyer Software

Reasons to Buy the report

Make informed decisions through long and short-term forecasts across 22 countries and segments.

Evaluate market fundamentals, dynamics, and disrupting trends set to shape 2025 and beyond.

Gain a clear understanding of the competitive landscape, with product portfolio and growth strategies.

Get an integrated understanding of the entire market ecosystem and companies.

Stay ahead of the competition through plans for growth in a changing environment for your geographic expansion.

Assess the impact of advanced technologies and identify growth opportunities based on actionable data and insights.

Get free Excel spreadsheet and PPT versions along with the report PDF.

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Customer Analytics

Fraud Detection

Route Optimization

Recommendation Engines

Others

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Healthcare and Life Sciences

Retail and eCommerce

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Government and Public Sector

Others

By Component

Solutions

Services

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AWS

Cray

Dataiku

DataStax

Graphistry

IBM

Linkurious

Lynx Analytics

Microsoft

Neo4j

Objectivity

Oracle

Teradata

TIBCO Software

TigerGraph

Tom Sawyer Software

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