

Global Network Telemetry Market Size Study, by Component (Solution, Service), by Deployment Model (On-Premise, Cloud), by Enterprise Size (Large Enterprises, SMEs), by Application (Telecom Service Providers, Cloud Service Providers, Managed Service Providers, Others) and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G52C6FD9E679EN.html>

Date: October 2024

Pages: 285

Price: US\$ 3,218.00 (Single User License)

ID: G52C6FD9E679EN

Abstracts

The Global Network Telemetry Market was valued at approximately USD 1 billion in 2023 and is anticipated to grow at an impressive compound annual growth rate (CAGR) of 30% during the forecast period from 2024 to 2032. Network telemetry represents a transformative approach to monitoring and managing network performance by automatically collecting and analyzing data from network devices in real time. This advanced technology offers crucial insights into network behavior, allowing for immediate detection of anomalies, enhanced security measures, and optimized network operations, which are particularly vital for the increasingly complex environments of modern data centers, cloud infrastructures, and large-scale service provider networks. The growth of the Network Telemetry Market is significantly propelled by several key drivers. One of the primary factors is the increasing demand for network security and performance monitoring as digital networks become the backbone of modern business operations. Network telemetry solutions provide real-time data that is critical for maintaining network integrity and performance, especially in the face of challenges such as latency, packet loss, and emerging security threats. Additionally, the expansion of cloud computing and data centers worldwide is fueling the demand for advanced network monitoring tools. Network telemetry's ability to offer detailed insights into network traffic and operational efficiency makes it indispensable for maintaining service-level agreements (SLAs) and optimizing the vast amounts of data managed by cloud service providers and data centers. Moreover, the integration of Artificial Intelligence

(AI) and Machine Learning (ML) technologies into network telemetry is creating new opportunities for predictive analytics. These advancements allow for the prediction of potential network issues before they occur, enabling preventive measures that significantly reduce downtime and enhance overall network reliability. As businesses increasingly prioritize network reliability and security, the adoption of AI-driven network telemetry solutions is expected to rise, further driving market growth.

The key regions analyzed in the study include North America, Asia-Pacific, Europe, Latin America, and the Middle East & Africa. North America is leading the global market, driven by substantial investments in network infrastructure optimization and the presence of major industry players such as Arista Networks, Cisco Systems Inc., and Juniper Networks. This region's dominance is further bolstered by the continuous focus on advancing network technologies and ensuring the efficiency of expansive digital infrastructures. Conversely, the Asia-Pacific region is poised to experience significant growth due to the rapid expansion of digital connectivity and modernization of IT infrastructure across emerging markets, offering lucrative opportunities for network telemetry solutions in the coming years.

Major market players featured in this report include:

VOLANSYS Technologies

Arista Networks

Mellanox Technologies

Pluribus Networks

Barefoot Networks

Solarflare Communications

Cisco Systems, Inc.

Juniper Networks

Palo Alto Networks

Hewlett Packard Enterprise Development LP

Accenture

Infosys

Genpact

Capgemini

IBM

The detailed segments and sub-segments of the market are explained below:

By Component:

- Solution
- Service

By Deployment Model:

- On-Premise

- Cloud

By Enterprise Size:

- Large Enterprises
- SMEs

By Application:

- Telecom Service Providers (TSPs)
- Cloud Service Providers (CSPs)
- Managed Service Providers (MSPs)
- Others

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
- RoLA
- Middle East & Africa
- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022
- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- 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 NETWORK TELEMETRY MARKET EXECUTIVE SUMMARY

- 1.1. Global Network Telemetry Market Size & Forecast (2022- 2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Component
 - 1.3.2. By Deployment Model
 - 1.3.3. By Enterprise Size
 - 1.3.4. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL NETWORK TELEMETRY MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL NETWORK TELEMETRY MARKET DYNAMICS

Global Network Telemetry Market Size Study, by Component (Solution, Service), by Deployment Model (On-Premise,...

3.1. Market Drivers

- 3.1.1. Increasing Demand for Network Security and Performance Monitoring
- 3.1.2. Rise in Cloud Computing and Data Center Expansion
- 3.1.3. Advancements in AI and Machine Learning for Predictive Analytics

3.2. Market Challenges

- 3.2.1. Complexity of Integration and High Implementation Costs

3.3. Market Opportunities

- 3.3.1. Growth in IoT Adoption
- 3.3.2. Expansion in Emerging Markets

CHAPTER 4. GLOBAL NETWORK TELEMETRY MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

4.3. Top Investment Opportunity

4.4. Top Winning Strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL NETWORK TELEMETRY MARKET SIZE & FORECASTS BY COMPONENT 2022-2032

5.1. Segment Dashboard

5.2. Global Network Telemetry Market: Component Revenue Trend Analysis, 2022 &

2032 (USD Billion)

5.2.1. Solution

5.2.2. Service

CHAPTER 6. GLOBAL NETWORK TELEMETRY MARKET SIZE & FORECASTS BY DEPLOYMENT MODEL 2022-2032

6.1. Segment Dashboard

6.2. Global Network Telemetry Market: Deployment Model Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. On-Premise

6.2.2. Cloud

CHAPTER 7. GLOBAL NETWORK TELEMETRY MARKET SIZE & FORECASTS BY ENTERPRISE SIZE 2022-2032

7.1. Segment Dashboard

7.2. Global Network Telemetry Market: Enterprise Size Revenue Trend Analysis, 2022 & 2032 (USD Billion)

7.2.1. Large Enterprises

7.2.2. SMEs

CHAPTER 8. GLOBAL NETWORK TELEMETRY MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

8.1. Segment Dashboard

8.2. Global Network Telemetry Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

8.2.1. Telecom Service Providers (TSPs)

8.2.2. Cloud Service Providers (CSPs)

8.2.3. Managed Service Providers (MSPs)

8.2.4. Others

CHAPTER 9. GLOBAL NETWORK TELEMETRY MARKET SIZE & FORECASTS BY REGION 2022-2032

9.1. North America Network Telemetry Market

9.1.1. U.S. Network Telemetry Market

9.1.1.1. Component breakdown size & forecasts, 2022-2032

- 9.1.1.2. Deployment Model breakdown size & forecasts, 2022-2032
- 9.1.2. Canada Network Telemetry Market
- 9.2. Europe Network Telemetry Market
 - 9.2.1. UK Network Telemetry Market
 - 9.2.2. Germany Network Telemetry Market
 - 9.2.3. France Network Telemetry Market
 - 9.2.4. Spain Network Telemetry Market
 - 9.2.5. Italy Network Telemetry Market
 - 9.2.6. Rest of Europe Network Telemetry Market
- 9.3. Asia-Pacific Network Telemetry Market
 - 9.3.1. China Network Telemetry Market
 - 9.3.2. India Network Telemetry Market
 - 9.3.3. Japan Network Telemetry Market
 - 9.3.4. Australia Network Telemetry Market
 - 9.3.5. South Korea Network Telemetry Market
 - 9.3.6. Rest of Asia Pacific Network Telemetry Market
- 9.4. Latin America Network Telemetry Market
 - 9.4.1. Brazil Network Telemetry Market
 - 9.4.2. Mexico Network Telemetry Market
 - 9.4.3. Rest of Latin America Network Telemetry Market
- 9.5. Middle East & Africa Network Telemetry Market
 - 9.5.1. Saudi Arabia Network Telemetry Market
 - 9.5.2. South Africa Network Telemetry Market
 - 9.5.3. Rest of Middle East & Africa Network Telemetry Market

CHAPTER 10. COMPETITIVE INTELLIGENCE

- 10.1. Key Company SWOT Analysis
 - 10.1.1. Company
 - 10.1.2. Company
 - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles
 - 10.3.1. VOLANSYS Technologies
 - 10.3.1.1. Key Information
 - 10.3.1.2. Overview
 - 10.3.1.3. Financial (Subject to Data Availability)
 - 10.3.1.4. Product Summary
 - 10.3.1.5. Market Strategies

- 10.3.2. Arista Networks
- 10.3.3. Mellanox Technologies
- 10.3.4. Pluribus Networks
- 10.3.5. Barefoot Networks
- 10.3.6. Solarflare Communications
- 10.3.7. Cisco Systems, Inc.
- 10.3.8. Juniper Networks
- 10.3.9. Palo Alto Networks
- 10.3.10. Hewlett Packard Enterprise Development LP
- 10.3.11. Accenture
- 10.3.12. Infosys
- 10.3.13. Genpact
- 10.3.14. Capgemini
- 10.3.15. IBM

CHAPTER 11. RESEARCH PROCESS

- 11.1. Research Process
 - 11.1.1. Data Mining
 - 11.1.2. Analysis
 - 11.1.3. Market Estimation
 - 11.1.4. Validation
 - 11.1.5. Publishing
- 11.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Global Network Telemetry market, report scope

TABLE 2. Global Network Telemetry market estimates & forecasts by Region
2022-2032 (USD Billion)

TABLE 3. Global Network Telemetry market estimates & forecasts by Component
2022-2032 (USD Billion)

TABLE 4. Global Network Telemetry market estimates & forecasts by Deployment
Model 2022-2032 (USD Billion)

TABLE 5. Global Network Telemetry market by segment, estimates & forecasts,
2022-2032 (USD Billion)

TABLE 6. Global Network Telemetry market by region, estimates & forecasts,
2022-2032 (USD Billion)

TABLE 7. Global Network Telemetry market by segment, estimates & forecasts,
2022-2032 (USD Billion)

TABLE 8. Global Network Telemetry market by region, estimates & forecasts,
2022-2032 (USD Billion)

TABLE 9. Global Network Telemetry market by segment, estimates & forecasts,
2022-2032 (USD Billion)

TABLE 10. Global Network Telemetry market by region, estimates & forecasts,
2022-2032 (USD Billion)

.....

This list is not complete; the final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

- FIG 1. Global Network Telemetry market, research methodology
- FIG 2. Global Network Telemetry market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods
- FIG 4. Global Network Telemetry market, key trends 2023
- FIG 5. Global Network Telemetry market, growth prospects 2022-2032
- FIG 6. Global Network Telemetry market, porters 5 force model
- FIG 7. Global Network Telemetry market, PESTEL analysis
- FIG 8. Global Network Telemetry market, value chain analysis
- FIG 9. Global Network Telemetry market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Network Telemetry market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Network Telemetry market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Network Telemetry market by segment, 2022 & 2032 (USD Billion)

.....

This list is not complete; the final report does contain more than 50 figures. The list may be updated in the final deliverable.

I would like to order

Product name: Global Network Telemetry Market Size Study, by Component (Solution, Service), by Deployment Model (On-Premise, Cloud), by Enterprise Size (Large Enterprises, SMEs), by Application (Telecom Service Providers, Cloud Service Providers, Managed Service Providers, Others) and Regional Forecasts 2022-2032

Product link: <https://marketpublishers.com/r/G52C6FD9E679EN.html>

Price: US\$ 3,218.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/G52C6FD9E679EN.html>