

Network Management System Market - Global Industry Size, Share, Trends, Opportunity, and Forecast By Component (Solutions (Configuration Management, Performance Management, Security Management, Fault Management, Accounting Management), Services (Consulting, Integration & Implementation, Training, Support & Maintenance)), By Organization Size (SMEs, Large Enterprises), By Deployment Mode (Cloud, On-Premises), By End User (IT & Telecom, BFSI, Government, Manufacturing, Healthcare, Transportation & Logistics, Retail, Media & Communication, Others), By Region & Competition, 2021-2031F

<https://marketpublishers.com/r/N46B1347D6E5EN.html>

Date: January 2026

Pages: 180

Price: US\$ 4,500.00 (Single User License)

ID: N46B1347D6E5EN

Abstracts

The Global Network Management System Market is projected to expand from USD 10.78 Billion in 2025 to USD 19.32 Billion by 2031, registering a CAGR of 10.21%. These systems, comprising both hardware and software tools, are essential for monitoring, maintaining, and optimizing network performance. Growth is primarily driven by the rising complexity of IT infrastructures and the critical necessity for business continuity, which demand centralized oversight to guarantee uptime. Furthermore, the operational requirements of hybrid cloud environments call for unified visibility across diverse systems to avoid performance silos, establishing stability and efficiency as the core engines of market growth.

Conversely, a significant hurdle involves the security liabilities linked to centralized management platforms, as they act as prime targets for cyber threats. A breach at this management level can compromise the entire infrastructure, causing risk-averse enterprises to hesitate regarding full implementation. The scope of the environment requiring secure supervision is massive and expanding; according to the International Telecommunication Union, roughly 5.5 billion individuals used the Internet globally in 2024, an increase of 227 million from the prior year. This immense user base highlights the critical yet arduous task of maintaining secure and efficient network operations.

Market Driver

The escalating integration of AI and Machine Learning for automation serves as a major catalyst for the Global Network Management System Market. As network architectures grow increasingly complex, manual monitoring proves inadequate, compelling enterprises to adopt intelligent tools capable of predicting anomalies and automating remediation. This technological shift enables IT teams to transition from reactive troubleshooting to proactive optimization, drastically cutting operational downtime and enhancing efficiency. According to IBM's 'Global AI Adoption Index 2023' from January 2024, 42% of enterprise-scale organizations have actively deployed AI in their business operations, demonstrating the rapid pace at which automation is becoming central to corporate infrastructure strategies.

Concurrently, the swift deployment and expansion of 5G technology necessitate advanced management solutions capable of handling high-speed, low-latency connectivity across extensive geographical areas. The implementation of 5G introduces a denser network of endpoints and requires precise real-time visibility to ensure service quality and bandwidth efficiency. According to the 'Ericsson Mobility Report' from June 2024, 5G subscriptions rose by 160 million in the first quarter of 2024, reaching a total of 1.7 billion. This exponential growth in connectivity points demands robust systems for oversight, especially as the environment becomes more vulnerable; Cisco noted in 2024 that 73% of organizations expected a business-disrupting cybersecurity incident within the next 12 to 24 months, underscoring the vital role of comprehensive network management.

Market Challenge

Security vulnerabilities inherent in centralized management platforms present a substantial barrier to the expansion of the Global Network Management System Market.

Because these systems function as the central control unit for an entire IT infrastructure, they represent high-value targets for malicious actors. If a threat actor breaches this management layer, they gain unrestricted access to the broader network, potentially causing widespread operational paralysis. This structural risk causes risk-averse enterprises, particularly those in regulated sectors, to heavily scrutinize the safety of these tools, often resulting in extended procurement cycles or deferred implementation.

The anxiety surrounding these platforms is amplified by the rising frequency of security incidents, which validates organizational caution. According to ISACA, in 2024, 38 percent of surveyed organizations reported experiencing an increase in cyberattacks compared to the previous year. This escalating threat landscape reinforces the reluctance of decision-makers to fully integrate unified management solutions without absolute assurance of their integrity. Consequently, the potential for catastrophic breaches directly limits the addressable market size as organizations prioritize defensive posturing over the operational efficiency gains promised by these systems.

Market Trends

The transition to cloud-native and SaaS-delivered network management solutions is fundamentally reshaping how enterprises oversee their infrastructure. Organizations are increasingly abandoning rigid, on-premises legacy systems in favor of agile, cloud-centric platforms that offer unified visibility across hybrid environments. This shift allows IT teams to centralize control, streamline updates, and scale operations rapidly without the burden of maintaining physical management hardware, effectively addressing the distributed nature of modern applications. According to the Cisco '2024 Global Networking Trends Report' from May 2024, 72% of IT leaders expect to leverage a centralized network platform architecture across one or more domains within the next two years, reflecting a decisive move toward consolidated, cloud-driven operational models.

Simultaneously, the convergence of network operations and security workflows, known as NetSecOps, is breaking down traditional silos to enhance organizational resilience. By merging these distinct functions, enterprises can implement unified policies and accelerate incident response times, ensuring that security is intrinsic to network performance rather than an afterthought. This integration is driving a structural reorganization within companies, where leadership roles are evolving to encompass both domains for tighter alignment. This trend is quantified by shifting reporting lines; according to Fortinet's '2024 State of Operational Technology and Cybersecurity Report' from June 2024, the ultimate responsibility for operational technology security is

increasingly shifting away from specialized directors, with a growing number of organizations assigning this oversight directly to the Vice President or Director of networking engineering and operations.

Key Market Players

Cisco Systems, Inc.

IBM Corporation

Broadcom, Inc.

SolarWinds Worldwide, LLC

NETSCOUT Systems, Inc.

Oracle Corporation

Nokia Corporation

Juniper Networks, Inc.

Hewlett Packard Enterprise Company

Huawei Technologies Co., Ltd.

Report Scope

In this report, the Global Network Management System Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Network Management System Market, By Component

Solutions (Configuration Management

Performance Management

Security Management

Fault Management

Accounting Management)

Services (Consulting

Integration & Implementation

Training

Support & Maintenance)

Network Management System Market, By Organization Size

SMEs

Large Enterprises

Network Management System Market, By Deployment Mode

Cloud

On-Premises

Network Management System Market, By End User

IT & Telecom

BFSI

Government

Manufacturing

Healthcare

Transportation & Logistics

Retail

Media & Communication

Others

Network Management System Market, By Region

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Network Management System Market.

Available Customizations:

Global Network Management System Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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