

# Intent-based Networking Market Latest Technological Trends and Analysis, Future Growth Study 2032

*The Porter's five forces analysis illustrates the potency of buyers and suppliers operating in the intent-based networking (IBN) industry*



The on-premise segment is expected to exhibit highest market share in the upcoming year. Increase in adoption of on-premise intent-based networking is owing to the requirement of securitization."

*Allied Market Research*

WILMINGTON, NEW CASTLE, DE, UNITED STATES, December 2, 2024 /EINPresswire.com/ -- Allied Market Research published a report on the "[Intent-based Networking \(IBN\) by Component \(Solution, Service\), by Deployment model \(Cloud, On-Premise\), by Enterprise Size \(Large Enterprise, Small and Medium-sized Enterprise\), by Industry Vertical \(BFSI, IT and Telecom, Healthcare, Retail and Consumer Goods, Government and Defense, Manufacturing, Others\): Global Opportunity Analysis and Industry Forecast, 2023-2032.](#)

The report on the global intent-based networking market

by Allied Market Research states that the industry is projected to generate a revenue of \$9.8 billion with a 24.6% CAGR by 2032. The market generated \$1.1 billion in 2022. The study offers valuable insights into the study methodology, key findings, market dynamics, primary market segments, prime investment opportunities, and influencing factors. It includes detailed analyses of market size and share, forecasts, and competition. This study is a key source for businesses, investors, shareholders, and newcomers, enabling them to gain a comprehensive understanding of the market and make well-informed business decisions aligned with their objectives.

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The research highlights the market's drivers, restraints, and opportunities. It identifies the competitive forces shaping the market and provides an understanding of its strengths and weaknesses. The industry is gaining momentum due to a surge in the usage of connected devices, growth in the adoption of cloud-based services, and an increase in demand for software-based automation processes. However, the high cost of innovation, budget constraints,

and complex design of IBN systems hamper the market's growth to some extent. Nevertheless, the demand for improved network security and the increasing adoption of advanced technologies such as IoT, ML, and AI will open new avenues for the industry in the upcoming era.

Intent-based networking (IBN) is a systematic approach to binding infrastructure management and business intent. It is a network management approach in which artificial intelligence (AI) and machine learning (ML) play a major role by automating all the organizational tasks which can be applied across the network, that helps in accomplishing a specific purpose or intent. In the IBN approach, the network can translate the intents into network policies. Further with the aid of automation, it can deploy suitable configurations to the network. In addition, IBN constantly monitors threats, even in encrypted traffic. Security violations can be immediately acknowledged and restricted. Moreover, with the help of artificial intelligence (AI), it can provide a more secure environment for the applications in real-time. Such factors provide numerous opportunities for market growth during the forecast period.

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The research also covers the key players in the intent-based networking market, including their company profiles, operating business segments, business performance, and strategic initiatives. These initiatives, such as acquisitions and mergers, collaborations, and other efforts, are designed to expand their reach and succeed in the industry.

It also highlights significant achievements gained by the players. This section of the report provides a comprehensive analysis of the market's dynamic landscape and offers insights into the level of competition. It details how top suppliers use various strategies to increase revenue and expand their offerings. The leading entities covered in the report are:

- Juniper Networks, Inc.
- Wipro
- Gluware
- NetBrain Technologies
- Cisco Systems Inc.
- Nokia
- IBM Corporation
- Hewlett Packard Enterprise Development LP

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The research report explores the regional market dynamics of the intent-based networking

industry, emphasizing revenue trends across various geographical regions. It provides a detailed analysis of the market in Europe, North America, Asia-Pacific, Latin America, and the Middle East & Africa, covering the period from 2022 to 2031.

As per the regional analysis of the industry, North America gained the largest share in 2022. High investment in technological advancements like IBN solutions and cloud services aimed at enhancing business operations and customer experiences have driven the growth of the intent-based networking (IBN) market across North America.

However, Asia-Pacific is estimated to witness the fastest growth throughout the forecast timeframe. The growth is attributed to the higher adoption of technological advancements and the surge in digitalization.

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A blend of AI and ML

These technologies are essential for enhancing IBN abilities by enabling automated troubleshooting, adaptive learning, and predictive analytics. They empower networks to self-heal and optimize performance proactively.

Integration into edge computing

IBN is extending its capabilities to the edge, managing and securing data closer to its source. This trend enhances the overall performance of distributed networks and meets the low-latency requirements of modern applications.

In summary, the AMR study on the global intent-based networking industry thoroughly examines key market aspects, including leading investors and their strategies. It also offers a detailed study of industry competition utilizing tools such as Porter's five forces. The market intelligence and actionable data provided in the report help businesses devise effective growth strategies.

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