

# **Intent-based Networking Market by Offering, Deployment Mode, Organization Size, Application (Network Automation & Orchestration, Policy Enforcement & Security, Network Monitoring & Analytics), End User, and Geography - Global Forecast to 2030**

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## **Abstracts**

The research report titled 'Intent-based Networking Market by Offering, Deployment Mode, Organization Size, Application (Network Automation & Orchestration, Policy Enforcement & Security, Network Monitoring & Analytics), End User, and Geography—Global Forecast to 2030' provides an in-depth analysis of intent-based networking market across five major geographies and emphasizes on the current market trends, market sizes, market shares, recent developments, and forecasts till 2030.

The global intent-based networking market is expected to reach \$8.8 billion by 2030, growing at a CAGR of 23.9% during the forecast period of 2023–2030.

The growth of the intent-based networking market is mainly attributed to the increasing complexity of networks, growing demand for network agility and efficiency, and increasing need for robust network security and compliance. Although the lack of standardization may hinder the growth of this market, the growing adoption of AI and machine learning and increasing cloud-based networking are expected to propel the growth of the intent-based networking market in the coming years.

The complexity of deployment and integration is a major challenge for the players operating in this market. In addition, the increasing use of intent-based automation to

edge networks and remote locations is a major trend in the intent-based networking market.

Based on offering, the global intent-based networking market is broadly segmented into solutions and services. In 2023, the solutions segment is expected to account for the larger share of the global intent-based networking market. The growth of this segment is attributed to the increasing adoption of intent-based networking solutions by organizations to attract more customers and clients. Additionally, increasing R&D investments and the rising demand for dynamic connectivity among communication service providers drive the growth of this segment. However, the services segment is projected to register the highest CAGR during the forecast period. The segment's rapid growth is driven by enterprises' growing requirements for network integration and key market players' emphasis on providing advanced network automation professional services.

Based on deployment mode, the global intent-based networking market is broadly segmented into on-premises deployments and cloud-based deployments. In 2023, the on-premises deployments segment is expected to account for the larger share of the global intent-based networking market. The growth of this segment is attributed to the high acceptance of intent-based networking among large enterprises, the rising demand for comprehensive network security and control, the increasing deployment of network automation solutions across on-premises data centers, and the growing demand for custom configurations to suit organizations' unique requirements. However, the cloud-based deployments segment is projected to register the highest CAGR during the forecast period. The segment's high growth is driven by enterprises' surging need to manage complex network requirements and reduce infrastructures' initial and operating expenses and their increasing investments in network infrastructure expansion with cloud deployment.

Based on organization size, the global intent-based networking market is broadly segmented into large enterprises and small & medium-sized enterprises. In 2023, the small & medium-sized enterprises segment is expected to account for the larger share of the global intent-based networking market. The growth of this segment is attributed to the SMEs' rising need to create agile, secure, and efficient work environments and the growing demand for intent-based networking solutions among SMEs operating in the education, retail, healthcare, manufacturing, government, and manufacturing sectors. This segment is also projected to record the highest CAGR during the forecast period.

Based on application, the global intent-based networking market is broadly segmented

into network automation & orchestration, policy enforcement & security, dynamic network optimization, network monitoring & analytics, and network policy compliance & governance. In 2023, the network monitoring & analytics segment is expected to account for the largest share of the global Intent-based networking market. The growth of this segment is attributed to the increasing use of network monitoring among organizations to identify and resolve issues promptly, growing demand for network monitoring tools demand, enhanced overall network security, and increasing demand for highly reliable and scalable network monitoring solutions. However, the network automation & orchestration segment is projected to record the highest CAGR during the forecast period. The growth of this segment is driven by growing demand for safe and smart healthcare systems with intent-based networking technology, a growing need to detect and identify old hardware, compliance issues, & storage issues, and the increasing need for zero-touch provisioning and unified network visibility.

Based on end user, the global intent-based networking market is broadly segmented into CSPs, data centers, and Enterprises. The enterprises segment is further sub-segmented into IT & telecommunications, manufacturing, government & public sector, retail, BFSI, healthcare & life sciences, education, energy & utilities, media & entertainment, and Other End-use Industries. In 2023, the data centers segment is expected to account for the largest share of the global intent-based networking market. The growth of this segment is attributed to the data centers' growing need to automate routine workflows and processes, reduce repetitive/mundane tasks, speed up processes, and drive down overheads, and the increasing deployment of network automation solutions among data centers. However, the enterprises segment is projected to record the highest CAGR during the forecast period. The segment's rapid growth is driven by the rising demand for intent-based networking solutions and increasing deployments of network automation solutions across enterprises.

Based on geography, the intent-based networking market is segmented into North America, Europe, Asia-Pacific, Latin America, and the Middle East & Africa. In 2023, North America is expected to account for the largest share of the global intent-based networking market. The large share of the North America market is attributed to the factors driving the growth of the North American market, including a larger and more established sales force for network automation solutions, service providers' initiatives towards network automation, and increasing demand for data center and IT infrastructure automation. Moreover, the market in Asia-Pacific is projected to register the highest CAGR during the forecast period. The increasing deployment of SDN and NFV by enterprises in Asia-Pacific and rising demand for a broad range of value-added network services are the major factors contributing to the growth of the Asia-Pacific

market.

The key players operating in the global intent-based networking market are Arista Networks, Inc. (U.S.), Cisco Systems, Inc. (U.S.), Juniper Networks, Inc (U.S.), Fortinet, Inc. (U.S.), VMware, Inc. (U.S.), Hewlett Packard Enterprise Company (U.S.), Nokia Corporation (Finland), Huawei Technologies Co., Ltd. (China), IBM Corporation (U.S.), Anuta Networks International LLC (U.S.), NetBrain Technologies, Inc. (U.S.), Forward Networks, Inc. (U.S.), Gluware, Inc. (U.S.), NetYCE BV (Netherlands), AppViewX (U.S.), and Itential (U.S.).

Key questions answered in the report:

Which are the high growth market segments in terms of offering, deployment mode, organization size, application, end-use industry, and countries?

What is the historical market for intent-based networking across the globe?

What are the market forecasts and estimates from 2023–2030?

What are the major drivers, restraints, and opportunities in the global intent-based networking market?

Who are the major players in the global intent-based networking market, and what shares of the market do they hold?

Who are the major players in various countries, and what shares of the market do they hold?

How is the competitive landscape?

What are the recent developments in the global intent-based networking market?

What strategies are adopted by the major players in the global intent-based networking market?

What are the geographical trends and high growth countries?

Who are the local emerging players in the global intent-based networking

market, and how do they compete with the other players?

Scope of the Report:

Intent-based Networking Market Assessment—by Offering

Solutions

Services

Intent-based Networking Market Assessment—by Deployment Mode

On-premise Deployments

Cloud-based Deployments

Intent-based Networking Market Assessment—by Organization Size

Small & Medium-sized Enterprises

Large Enterprises

Intent-based Networking Market Assessment—by Application

Network Monitoring & Analytics

Dynamic Network Optimization

Network Automation & Orchestration

Policy Enforcement & Security

Network Policy Compliance & Governance

## Intent-based Networking Market Assessment—by End User

Data Centers

Enterprises

BFSI

IT & Telecommunications

Media & Entertainment

Manufacturing

Healthcare & Life Sciences

Retail

Government & Public Sector

Education

Energy & Utilities

Other End-Use Industries

CSPs

## Intent-based Networking Market Assessment —by Geography

North America

U.S.

Canada

Asia-Pacific

China

Japan

India

South Korea

Thailand

Indonesia

Australia & New Zealand

Rest of Asia-Pacific

Europe

Germany

U.K.

France

Italy

Spain

Netherlands

Rest of Europe

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

UAE

Israel

Rest of Middle East & Africa



## Contents

### 1. MARKET INTRODUCTION

- 1.1. Market Definition & Scope
- 1.2. Currency and Limitations
  - 1.2.1. Currency
  - 1.2.2. Limitations

### 2. RESEARCH METHODOLOGY

- 2.1. Research Approach
- 2.2. Process of Data Collection & Validation
  - 2.2.1. Secondary Research
  - 2.2.2. Primary Research/ Interviews with Key Opinion Leaders of the Industry
- 2.3. Market Sizing and Forecast
  - 2.3.1. Market Size Estimation Approach
  - 2.3.2. Growth Forecast
- 2.4. Assumptions for the Study

### 3. EXECUTIVE SUMMARY

- 3.1. Overview
- 3.2. Market Analysis, by Offering
- 3.3. Market Analysis, by Deployment Mode
- 3.4. Market Analysis, by Organization Size
- 3.5. Market Analysis, by Application
- 3.6. Market Analysis, by End User
- 3.7. Market Analysis, by Geography
- 3.8. Competitive Analysis

### 4. MARKET INSIGHTS

- 4.1. Overview
- 4.2. Factors Affecting Market Growth
  - 4.2.1. Impact Analysis of Market Dynamics
  - 4.2.2. Increasing Network Complexity Driving the Need for Simplified Network Management
  - 4.2.3. Growing Demand for Network Agility and Efficiency to Automate and Scale

## Network Configuration Processes

### 4.2.4. Rising Need for Zero-Touch Provisioning (ZTP) to Streamline Device

## Management Processes

### 4.2.5. Lack of Standardization Limiting the Adoption of Intent-Based Networking

## Solutions

### 4.2.6. Integration of Networking With AI & ML Technologies to Enhance Overall Networking Capabilities

### 4.2.7. Increasing Adoption of Cloud-Based Networking to Enable Centralized Control and Management of Network Resources

### 4.2.8. Complexities in Deployment & Integration— A Major Challenge for Market Growth

## 4.3. Trends

### 4.3.1. Zero Trust Networking

## 4.4. Porter's Five Forces Analysis

### 4.4.1. Bargaining Power of Suppliers

### 4.4.2. Bargaining Power of Buyers

### 4.4.3. Threat of Substitutes

### 4.4.4. Threat of New Entrants

### 4.4.5. Degree of Competition

## **5. INTENT-BASED NETWORKING MARKET ASSESSMENT—BY OFFERING**

### 5.1. Overview

### 5.2. Solutions

### 5.3. Services

## **6. INTENT-BASED NETWORKING MARKET ASSESSMENT—BY DEPLOYMENT MODE**

### 6.1. Overview

### 6.2. On-Premise Deployments

### 6.3. Cloud-Based Deployments

## **7. INTENT-BASED NETWORKING MARKET ASSESSMENT—BY ORGANIZATION SIZE**

### 7.1. Overview

### 7.2. Small & Medium-Sized Enterprises

### 7.3. Large Enterprises

## **8. INTENT-BASED NETWORKING MARKET ASSESSMENT—BY APPLICATION**

- 8.1. Overview
- 8.2. Network Monitoring & Analytics
- 8.3. Dynamic Network Optimization
- 8.4. Network Automation & Orchestration
- 8.5. Policy Enforcement & Security
- 8.6. Network Policy Compliance & Governance

## **9. INTENT-BASED NETWORKING MARKET ASSESSMENT—BY END USER**

- 9.1. Overview
- 9.2. Data Centers
- 9.3. Enterprises
  - 9.3.1. BFSI
  - 9.3.2. IT & Telecommunications
  - 9.3.3. Media & Entertainment
  - 9.3.4. Manufacturing
  - 9.3.5. Healthcare & Life Sciences
  - 9.3.6. Retail
  - 9.3.7. Government & Public Sector
  - 9.3.8. Education
  - 9.3.9. Energy & Utilities
  - 9.3.10. Other End-use Industries
- 9.4. CSPs

## **10. INTENT-BASED NETWORKING MARKET ASSESSMENT—BY GEOGRAPHY**

- 10.1. Overview
- 10.2. North America
  - 10.2.1. U.S.
  - 10.2.2. Canada
- 10.3. Europe
  - 10.3.1. U.K.
  - 10.3.2. Germany
  - 10.3.3. France
  - 10.3.4. Italy
  - 10.3.5. Spain
  - 10.3.6. Netherlands

10.3.7. Rest of Europe

10.4. Asia-Pacific

10.4.1. China

10.4.2. Japan

10.4.3. India

10.4.4. Indonesia

10.4.5. South Korea

10.4.6. Thailand

10.4.7. Australia & New Zealand

10.4.8. Rest of Asia-Pacific

10.5. Latin America

10.5.1. Brazil

10.5.2. Mexico

10.5.3. Rest of Latin America

10.6. Middle East & Africa

10.6.1. UAE

10.6.2. Israel

10.6.3. Rest of the Middle East & Africa

## **11. COMPETITION ANALYSIS**

11.1. Overview

11.2. Key Growth Strategies

11.3. Competitive Dashboard

11.3.1. Industry Leaders

11.3.2. Market Differentiator

11.3.3. Vanguard

11.3.4. Emerging Companies

11.4. Vendor Market Positioning

11.5. Market Ranking

## **12. COMPANY PROFILES**

12.1. Arista Networks, Inc.

12.1.1. Company Overview

12.1.2. Financial Overview

12.1.3. Product Portfolio

12.1.4. Strategic Developments

12.2. Cisco Systems, Inc.

- 12.2.1. Company Overview
- 12.2.2. Financial Overview
- 12.2.3. Product Portfolio
- 12.2.4. Strategic Developments
- 12.3. Juniper Networks, Inc.
  - 12.3.1. Company Overview
  - 12.3.2. Financial Overview
  - 12.3.3. Product Portfolio
  - 12.3.4. Strategic Developments
- 12.4. Fortinet, Inc.
  - 12.4.1. Company Overview
  - 12.4.2. Financial Overview
  - 12.4.3. Product Portfolio
  - 12.4.4. Strategic Developments
- 12.5. VMware, Inc.
  - 12.5.1. Company Overview
  - 12.5.2. Financial Overview
  - 12.5.3. Product Portfolio
  - 12.5.4. Strategic Developments
- 12.6. Hewlett Packard Enterprise Company
  - 12.6.1. Company Overview
  - 12.6.2. Financial Overview
  - 12.6.3. Product Portfolio
  - 12.6.4. Strategic Developments
- 12.7. Nokia Corporation
  - 12.7.1. Company Overview
  - 12.7.2. Financial Overview
  - 12.7.3. Product Portfolio
  - 12.7.4. Strategic Developments
- 12.8. Huawei Technologies Co., Ltd.
  - 12.8.1. Company Overview
  - 12.8.2. Financial Overview
  - 12.8.3. Product Portfolio
  - 12.8.4. Strategic Developments
- 12.9. International Business Machines Corporation
  - 12.9.1. Company Overview
  - 12.9.2. Financial Overview
  - 12.9.3. Product Portfolio
  - 12.9.4. Strategic Developments

## 12.10. Anuta Networks International LLC

12.10.1. Company Overview

12.10.2. Product Portfolio

12.10.3. Strategic Developments

## 12.11. Netbrain Technologies, Inc.

12.11.1. Company Overview

12.11.2. Product Portfolio

12.11.3. Strategic Developments

## 12.12. Forward Networks, Inc

12.12.1. Company Overview

12.12.2. Product Portfolio

12.12.3. Strategic Developments

## 12.13. Gluware, Inc.

12.13.1. Company Overview

12.13.2. Product Portfolio

12.13.3. Strategic Developments

## 12.14. Netyce BV

12.14.1. Company Overview

12.14.2. Product Portfolio

12.14.3. Strategic Developments

## 12.15. Appviewx

12.15.1. Company Overview

12.15.2. Product Portfolio

12.15.3. Strategic Developments

## 12.16. Itential

12.16.1. Company Overview

12.16.2. Product Portfolio

12.16.3. Strategic Developments

## 12.17. Indeni Ltd.

12.17.1. Company Overview

12.17.2. Product Portfolio

# 13. APPENDIX

## 13.1. Available Customization

## 13.2. Related Reports

## List Of Tables

### LIST OF TABLES

Table 1 Currency Conversion Rate (2018–2022)

Table 2 Global Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 3 Global Intent-Based Networking Solutions Market, by Country/Region, 2021–2030 (USD Million)

Table 4 Global Intent-Based Networking Services Market, by Country/Region, 2021–2030(USD Million)

Table 5 Global Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 6 Global Intent-based Networking Market for On-Premise Deployments, by Country/Region, 2021–2030 (USD Million)

Table 7 Global Intent-based Networking Market for Cloud-Based Deployments, by Country/Region, 2021–2030 (USD Million)

Table 8 Global Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 9 Global Intent-based Networking Market for Small & Medium-Sized Enterprises, by Country/Region, 2021–2030 (USD Million)

Table 10 Global Intent-based Networking Market for Large Enterprises, by Country/Region, 2021–2030 (USD Million)

Table 11 Global Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 12 Global Intent-based Networking Market for Network Monitoring & Analytics, by Country/Region, 2021–2030 (USD Million)

Table 13 Global Intent-based Networking Market for Dynamic Network Optimization, by Country/Region, 2021–2030 (USD Million)

Table 14 Global Intent-based Networking Market for Network Automation & Orchestration, by Country/Region, 2021–2030 (USD Million)

Table 15 Global Intent-based Networking Market for Policy Enforcement & Security, by Country/Region, 2021–2030 (USD Million)

Table 16 Global Intent-based Networking Market for Network Policy Compliance & Governance, by Country/Region, 2021–2030 (USD Million)

Table 17 Global Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 18 Global Intent-based Networking Market for Data Centers, by Country/Region, 2021–2030 (USD Million)

Table 19 Global Intent-based Networking Market for Enterprises, by End-Use Industry,

*Intent-based Networking Market by Offering, Deployment Mode, Organization Size, Application (Network Automatio...*

2021–2030 (USD Million)

Table 20 Global Intent-based Networking Market for Enterprises, by Country/Region, 2021–2030 (USD Million)

Table 21 Global Intent-based Networking Market for BFSI, by Country/Region, 2021–2030 (USD Million)

Table 22 Global Intent-based Networking Market for IT & Telecommunications, by Country/Region, 2021–2030 (USD Million)

Table 23 Global Intent-based Networking Market for Media & Entertainment, by Country/Region, 2021–2030 (USD Million)

Table 24 Global Intent-based Networking Market for Manufacturing, by Country/Region, 2021–2030 (USD Million)

Table 25 Global Intent-based Networking Market for Healthcare & Life Sciences, by Country/Region, 2021–2030 (USD Million)

Table 26 Global Intent-based Networking Market for Retail, by Country/Region, 2021–2030 (USD Million)

Table 27 Global Intent-based Networking Market for Government & Public Sector, by Country/Region, 2021–2030 (USD Million)

Table 28 Global Intent-based Networking Market for Education, by Country/Region, 2021–2030 (USD Million)

Table 29 Global Intent-based Networking Market for Energy & Utilities, by Country/Region, 2021–2030 (USD Million)

Table 30 Global Intent-based Networking Market for Other End-Use Industries, by Country/Region, 2021–2030 (USD Million)

Table 31 Global Intent-based Networking Market for CSPs, by Country/Region, 2021–2030 (USD Million)

Table 32 Global Intent-based Networking Market, by Country/Region, 2021–2030 (USD Million)

Table 33 North America: Intent-based Networking Market, by Country, 2021–2030 (USD Million)

Table 34 North America: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 35 North America: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 36 North America: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 37 North America: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 38 North America: Intent-based Networking Market, by End User, 2021–2030 (USD Million)



Table 39 North America: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 40 U.S.: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 41 U.S.: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 42 U.S.: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 43 U.S.: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 44 U.S.: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 45 U.S.: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 46 Canada: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 47 Canada: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 48 Canada: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 49 Canada: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 50 Canada: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 51 Canada: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 52 Europe: Intent-based Networking Market, by Country/Region, 2021–2030 (USD Million)

Table 53 Europe: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 54 Europe: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 55 Europe: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 56 Europe: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 57 Europe: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 58 Europe: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 59 U.K.: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 60 U.K.: Intent-based Networking Market, by Deployment Mode, 2021–2030  
(USD Million)

Table 61 U.K.: Intent-based Networking Market, by Organization Size, 2021–2030 (USD  
Million)

Table 62 U.K.: Intent-based Networking Market, by Application, 2021–2030 (USD  
Million)

Table 63 U.K.: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 64 U.K.: Intent-based Networking Market for Enterprises, by End Use Industry,  
2021–2030 (USD Million)

Table 65 Germany: Intent-based Networking Market, by Offering, 2021–2030 (USD  
Million)

Table 66 Germany: Intent-based Networking Market, by Deployment Mode, 2021–2030  
(USD Million)

Table 67 Germany: Intent-based Networking Market, by Organization Size, 2021–2030  
(USD Million)

Table 68 Germany: Intent-based Networking Market, by Application, 2021–2030 (USD  
Million)

Table 69 Germany: Intent-based Networking Market, by End User, 2021–2030 (USD  
Million)

Table 70 Germany: Intent-based Networking Market for Enterprises, by End Use  
Industry, 2021–2030 (USD Million)

Table 71 France: Intent-based Networking Market, by Offering, 2021–2030 (USD  
Million)

Table 72 France: Intent-based Networking Market, by Deployment Mode, 2021–2030  
(USD Million)

Table 73 France: Intent-based Networking Market, by Organization Size, 2021–2030  
(USD Million)

Table 74 France: Intent-based Networking Market, by Application, 2021–2030 (USD  
Million)

Table 75 France: Intent-based Networking Market, by End User, 2021–2030 (USD  
Million)

Table 76 France: Intent-based Networking Market for Enterprises, by End Use Industry,  
2021–2030 (USD Million)

Table 77 Italy: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 78 Italy: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD  
Million)

Table 79 Italy: Intent-based Networking Market, by Organization Size, 2021–2030 (USD  
Million)

Table 80 Italy: Intent-based Networking Market, by Application, 2021–2030 (USD

Million)

Table 81 Italy: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 82 Italy: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 83 Spain: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 84 Spain: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 85 Spain: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 86 Spain: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 87 Spain: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 88 Spain: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 89 Netherlands: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 90 Netherlands: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 91 Netherlands: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 92 Netherlands: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 93 Netherlands: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 94 Netherlands: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 95 Rest of Europe: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 96 Rest of Europe: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 97 Rest of Europe: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 98 Rest of Europe: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 99 Rest of Europe: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 100 Rest of Europe: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 101 Asia-Pacific: Intent-based Networking Market, by Country/Region, 2021—2030 (USD Million)
Table 102 Asia-Pacific: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)
Table 103 Asia-Pacific: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)
Table 104 Asia-Pacific: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)
Table 105 Asia-Pacific: Intent-based Networking Market, by Application, 2021–2030 (USD Million)
Table 106 Asia-Pacific: Intent-based Networking Market, by End User, 2021–2030 (USD Million)
Table 107 Asia-Pacific: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)
Table 108 China: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)
Table 109 China: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)
Table 110 China: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)
Table 111 China: Intent-based Networking Market, by Application, 2021–2030 (USD Million)
Table 112 China: Intent-based Networking Market, by End User, 2021–2030 (USD Million)
Table 113 China: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)
Table 114 Japan: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)
Table 115 Japan: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)
Table 116 Japan: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)
Table 117 Japan: Intent-based Networking Market, by Application, 2021–2030 (USD Million)
Table 118 Japan: Intent-based Networking Market, by End User, 2021–2030 (USD Million)
Table 119 Japan: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)
Table 120 India: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 121 India: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 122 India: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 123 India: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 124 India: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 125 India: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 126 Indonesia: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 127 Indonesia: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 128 Indonesia: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 129 Indonesia: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 130 Indonesia: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 131 Indonesia: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 132 South Korea: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 133 South Korea: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 134 South Korea: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 135 South Korea: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 136 South Korea: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 137 South Korea: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 138 Thailand: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 139 Thailand: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 140 Thailand: Intent-based Networking Market, by Organization Size, 2021–2030

(USD Million)

Table 141 Thailand: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 142 Thailand: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 143 Thailand: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 144 Australia & New Zealand: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 145 Australia & New Zealand: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 146 Australia & New Zealand: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 147 Australia & New Zealand: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 148 Australia & New Zealand: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 149 Australia & New Zealand: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 150 Rest of Asia-Pacific: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 151 Rest of Asia-Pacific: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 152 Rest of Asia-Pacific: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 153 Rest of Asia-Pacific: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 154 Rest of Asia-Pacific: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 155 Rest of Asia-Pacific: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 156 Latin America: Intent-based Networking Market, by Country/Region, 2021–2030 (USD Million)

Table 157 Latin America: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 158 Latin America: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 159 Latin America: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)



Table 160 Latin America: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 161 Latin America: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 162 Latin America: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 163 Brazil: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 164 Brazil: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 165 Brazil: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 166 Brazil: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 167 Brazil: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 168 Brazil: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 169 Mexico: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 170 Mexico: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 171 Mexico: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 172 Mexico: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 173 Mexico: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 174 Mexico: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 175 Rest of Latin America: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 176 Rest of Latin America: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 177 Rest of Latin America: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 178 Rest of Latin America: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 179 Rest of Latin America: Intent-based Networking Market, by End User,

2021–2030 (USD Million)

Table 180 Rest of Latin America: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 181 Middle East & Africa: Intent-based Networking Market, by Country/Region, 2021–2030 (USD Million)

Table 182 Middle East & Africa: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 183 Middle East & Africa: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 184 Middle East & Africa: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 185 Middle East & Africa: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 186 Middle East & Africa: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 187 Middle East & Africa: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 188 UAE: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 189 UAE: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 190 UAE: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 191 UAE: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 192 UAE: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 193 UAE: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 194 Israel: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 195 Israel: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 196 Israel: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 197 Israel: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 198 Israel: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 199 Israel: Intent-based Networking Market for Enterprises, by End Use Industry,



2021–2030 (USD Million)

Table 200 Rest of the Middle East & Africa: Intent-based Networking Market, by Offering, 2021–2030 (USD Million)

Table 201 Rest of the Middle East & Africa: Intent-based Networking Market, by Deployment Mode, 2021–2030 (USD Million)

Table 202 Rest of the Middle East & Africa: Intent-based Networking Market, by Organization Size, 2021–2030 (USD Million)

Table 203 Rest of the Middle East & Africa: Intent-based Networking Market, by Application, 2021–2030 (USD Million)

Table 204 Rest of the Middle East & Africa: Intent-based Networking Market, by End User, 2021–2030 (USD Million)

Table 205 Rest of the Middle East & Africa: Intent-based Networking Market for Enterprises, by End Use Industry, 2021–2030 (USD Million)

Table 206 Recent Developments by Major Market Players (2021–2023)

## List Of Figures

### LIST OF FIGURES

Figure 1 Market Ecosystem

Figure 2 Key Stakeholders

Figure 3 Research Process

Figure 4 Key Secondary Sources

Figure 5 Primary Research Techniques

Figure 6 Key Executives Interviewed

Figure 7 Breakdown of Primary Interviews (Supply Side & Demand Side)

Figure 8 Market Sizing And Growth Forecast Approach

Figure 9 Key Insights

Figure 10 In 2023, The Solutions Segment is Expected to Dominate the Global Intent-based Networking Market

Figure 11 In 2023, The On-premises Deployments Segment is Expected to Dominate the Global Intent-based Networking Market

Figure 12 In 2023, The Small & Medium-Sized Enterprises Segment is Expected to Dominate the Global Intent-based Networking Market

Figure 13 In 2023, The Network Monitoring & Analytics Segment is Expected to Dominate the Global Intent-based Networking Market

Figure 14 In 2023, The Data Centers Segment is Expected to Dominate the Global Intent-based Networking Market

Figure 15 Global Intent-based Networking Market, by Region (2023 Vs. 2030)

Figure 16 Porter's Five Forces Analysis

Figure 17 Global Intent-based Networking Market, by Offering, 2023 Vs. 2030 (USD Million)

Figure 18 Global Intent-based Networking Market, by Deployment Mode, 2023 Vs. 2030 (USD Million)

Figure 19 Global Intent-based Networking Market, by Organization Size, 2023 Vs. 2030 (USD Million)

Figure 20 Global Intent-based Networking Market, by Application, 2023 Vs. 2030 (USD Million)

Figure 21 Global Intent-based Networking Market, by End User, 2023 Vs. 2030 (USD Million)

Figure 22 Global Intent-based Networking Market Assessment, by Country/ Region, 2023 Vs. 2030 (USD Million)

Figure 23 Geographic Snapshot: Intent-based Networking Market in North America

Figure 24 Geographic Snapshot: Intent-based Networking Market in Europe

Figure 25 Geographic Snapshot: Intent-based Networking Market in Asia-Pacific

Figure 26 Geographic Snapshot: Intent-based Networking Market in Latin America

Figure 27 Geographic Snapshot: Intent-based Networking Market in The Middle East & Africa

Figure 28 Growth Strategies By Leading Market Players (2020–2023)

Figure 29 Competitive Dashboard: Intent-based Networking Market

Figure 30 Vendor Market Positioning Analysis (2020–2023)

Figure 31 Arista Networks, Inc.: Financial Overview (2022)

Figure 32 Arista Networks, Inc.: SWOT Analysis

Figure 33 Cisco Systems, Inc.: Financial Overview (2022)

Figure 34 Cisco Systems, Inc.: SWOT Analysis

Figure 35 Juniper Networks, Inc.: Financial Overview (2022)

Figure 36 Juniper Networks, Inc.: SWOT Analysis

Figure 37 Fortinet, Inc.: Financial Overview (2022)

Figure 38 Fortinet, Inc.: SWOT Analysis

Figure 39 VMware, Inc.: Financial Overview (2022)

Figure 40 VMware, Inc.: SWOT Analysis

Figure 41 Hewlett Packard Enterprise Company: Financial Overview (2022)

Figure 42 Nokia Corporation: Financial Overview (2022)

Figure 43 Huawei Technologies Co., Ltd: Financial Overview (2022)

Figure 44 International Business Machines Corporation: Financial Overview (2022)

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