

Network Automation Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global network automation market size reached US\$ 17.1 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 52.7 Billion by 2028, exhibiting a growth rate (CAGR) of 19.5% during 2023-2028.

Network automation refers to the process of using software to automate the managing, testing, and operating of physical and virtual devices. It utilizes various solutions and services, such as virtualization, network automation tools, internet-based networking, and managed services. Network automation also uses programmable logic to manage network resources and services, which, in turn, aids in maximizing the functionality and efficiency of the network. These tools enable basic network mapping, device discovery, and complex workflows, such as provisioning of virtual network resources and network configuration management. Apart from this, it assists in eliminating manual tasks, gaining network visibility, building a reliable network, enhancing operational speed, and analyzing and resolving issues. As a result, network automation is widely used across various industries, such as healthcare, information technology (IT) and telecommunication, and banking, financial services, and insurance (BFSI).

Network Automation Market Trends:

The increasing adoption of smart connected devices across the globe is creating a positive outlook for the market. Network automation assists in simplifying and scaling network operations by minimizing configuration errors. In line with this, the rising concerns in cloud security is further facilitating the demand for network automation across organizations to reduce the risks of data thefts and increase the degree of customization. Moreover, various technological advancements, such as the integration of artificial intelligence (AI) and machine learning (ML), to enhance troubleshooting and

identify inefficiencies and irregularities through real-time data monitoring, are providing an impetus to the market growth. Additionally, the increasing demand for high-resolution and quality videos due to the growing popularity of over-the-top (OTT) platforms is positively impacting the market growth. Network automation assists in predicting the network demand by analyzing failures to enhance its effective use and reduce operational costs. Other factors, including a shift towards remote working solutions and increasing research and development (R&D) activities, are anticipated to drive the market further toward growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global network automation market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, deployment mode, organization size, network type and end use industry.

Breakup by Component:

Solution

Network Automation Tools

SD-WAN and Network

Virtualization

Internet-Based Networking

Services

Professional Service

Managed Service

Breakup by Deployment Mode:

On-premises

Cloud-based

Breakup by Organization Size:

Large Enterprises

Small and Medium-size Enterprises

Breakup by Network Type:

Physical

Virtual
Hybrid

Breakup by End Use Industry:

IT and Telecom
Manufacturing
Energy and Utility
Banking and Financial Services
Education
Others

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AppViewX Inc., BMC Software Inc., Cisco Systems Inc., Extreme Networks Inc., Fujitsu Limited, Hewlett Packard Enterprise Development LP, International Business Machines Corporation, Juniper Networks Inc., Micro Focus International PLC, Netbrain Technologies Inc., Solarwinds Corporation and VMware Inc.

Key Questions Answered in This Report

1. What was the size of the global network automation market in 2022?
2. What is the expected growth rate of the global network automation market during 2023-2028?
3. What are the key factors driving the global network automation market?
4. What has been the impact of COVID-19 on the global network automation market?
5. What is the breakup of the global network automation market based on the component?
6. What is the breakup of the global network automation market based on the deployment mode?
7. What is the breakup of the global network automation market based on the organization size?
8. What is the breakup of the global network automation market based on the network type?
9. What is the breakup of the global network automation market based on the end use industry?
10. What are the key regions in the global network automation market?
11. Who are the key players/companies in the global network automation market?

Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL NETWORK AUTOMATION MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY COMPONENT

- 6.1 Solution
 - 6.1.1 Market Trends
 - 6.1.2 Key Segments
 - 6.1.2.1 Network Automation Tools
 - 6.1.2.2 SD-WAN and Network
 - 6.1.2.3 Virtualization
 - 6.1.2.4 Internet- Based Networking

- 6.1.3 Market Forecast
- 6.2 Services
 - 6.2.1 Market Trends
 - 6.2.2 Key Segments
 - 6.2.2.1 Professional Service
 - 6.2.2.2 Managed Service
 - 6.2.3 Market Forecast

7 MARKET BREAKUP BY DEPLOYMENT MODE

- 7.1 On-premises
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Cloud-based
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast

8 MARKET BREAKUP BY ORGANIZATION SIZE

- 8.1 Large Enterprises
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Small and Medium-size Enterprises
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast

9 MARKET BREAKUP BY NETWORK TYPE

- 9.1 Physical
 - 9.1.1 Market Trends
 - 9.1.2 Market Forecast
- 9.2 Virtual
 - 9.2.1 Market Trends
 - 9.2.2 Market Forecast
- 9.3 Hybrid
 - 9.3.1 Market Trends
 - 9.3.2 Market Forecast

10 MARKET BREAKUP BY END USE INDUSTRY

- 10.1 IT and Telecom
 - 10.1.1 Market Trends
 - 10.1.2 Market Forecast
- 10.2 Manufacturing
 - 10.2.1 Market Trends
 - 10.2.2 Market Forecast
- 10.3 Energy and Utility
 - 10.3.1 Market Trends
 - 10.3.2 Market Forecast
- 10.4 Banking and Financial Services
 - 10.4.1 Market Trends
 - 10.4.2 Market Forecast
- 10.5 Education
 - 10.5.1 Market Trends
 - 10.5.2 Market Forecast
- 10.6 Others
 - 10.6.1 Market Trends
 - 10.6.2 Market Forecast

11 MARKET BREAKUP BY REGION

- 11.1 North America
 - 11.1.1 United States
 - 11.1.1.1 Market Trends
 - 11.1.1.2 Market Forecast
 - 11.1.2 Canada
 - 11.1.2.1 Market Trends
 - 11.1.2.2 Market Forecast
- 11.2 Asia-Pacific
 - 11.2.1 China
 - 11.2.1.1 Market Trends
 - 11.2.1.2 Market Forecast
 - 11.2.2 Japan
 - 11.2.2.1 Market Trends
 - 11.2.2.2 Market Forecast
 - 11.2.3 India
 - 11.2.3.1 Market Trends
 - 11.2.3.2 Market Forecast

- 11.2.4 South Korea
 - 11.2.4.1 Market Trends
 - 11.2.4.2 Market Forecast
- 11.2.5 Australia
 - 11.2.5.1 Market Trends
 - 11.2.5.2 Market Forecast
- 11.2.6 Indonesia
 - 11.2.6.1 Market Trends
 - 11.2.6.2 Market Forecast
- 11.2.7 Others
 - 11.2.7.1 Market Trends
 - 11.2.7.2 Market Forecast
- 11.3 Europe
 - 11.3.1 Germany
 - 11.3.1.1 Market Trends
 - 11.3.1.2 Market Forecast
 - 11.3.2 France
 - 11.3.2.1 Market Trends
 - 11.3.2.2 Market Forecast
 - 11.3.3 United Kingdom
 - 11.3.3.1 Market Trends
 - 11.3.3.2 Market Forecast
 - 11.3.4 Italy
 - 11.3.4.1 Market Trends
 - 11.3.4.2 Market Forecast
 - 11.3.5 Spain
 - 11.3.5.1 Market Trends
 - 11.3.5.2 Market Forecast
 - 11.3.6 Russia
 - 11.3.6.1 Market Trends
 - 11.3.6.2 Market Forecast
 - 11.3.7 Others
 - 11.3.7.1 Market Trends
 - 11.3.7.2 Market Forecast
- 11.4 Latin America
 - 11.4.1 Brazil
 - 11.4.1.1 Market Trends
 - 11.4.1.2 Market Forecast
 - 11.4.2 Mexico

- 11.4.2.1 Market Trends
- 11.4.2.2 Market Forecast
- 11.4.3 Others
 - 11.4.3.1 Market Trends
 - 11.4.3.2 Market Forecast
- 11.5 Middle East and Africa
 - 11.5.1 Market Trends
 - 11.5.2 Market Breakup by Country
 - 11.5.3 Market Forecast

12 SWOT ANALYSIS

- 12.1 Overview
- 12.2 Strengths
- 12.3 Weaknesses
- 12.4 Opportunities
- 12.5 Threats

13 VALUE CHAIN ANALYSIS

14 PORTERS FIVE FORCES ANALYSIS

- 14.1 Overview
- 14.2 Bargaining Power of Buyers
- 14.3 Bargaining Power of Suppliers
- 14.4 Degree of Competition
- 14.5 Threat of New Entrants
- 14.6 Threat of Substitutes

15 PRICE ANALYSIS

16 COMPETITIVE LANDSCAPE

- 16.1 Market Structure
- 16.2 Key Players
- 16.3 Profiles of Key Players
 - 16.3.1 AppViewX Inc.
 - 16.3.1.1 Company Overview
 - 16.3.1.2 Product Portfolio

- 16.3.2 BMC Software Inc.
 - 16.3.2.1 Company Overview
 - 16.3.2.2 Product Portfolio
 - 16.3.2.3 SWOT Analysis
- 16.3.3 Cisco Systems Inc.
 - 16.3.3.1 Company Overview
 - 16.3.3.2 Product Portfolio
 - 16.3.3.3 Financials
 - 16.3.3.4 SWOT Analysis
- 16.3.4 Extreme Networks Inc.
 - 16.3.4.1 Company Overview
 - 16.3.4.2 Product Portfolio
 - 16.3.4.3 Financials
 - 16.3.4.4 SWOT Analysis
- 16.3.5 Fujitsu Limited
 - 16.3.5.1 Company Overview
 - 16.3.5.2 Product Portfolio
 - 16.3.5.3 Financials
 - 16.3.5.4 SWOT Analysis
- 16.3.6 Hewlett Packard Enterprise Development LP
 - 16.3.6.1 Company Overview
 - 16.3.6.2 Product Portfolio
 - 16.3.6.3 Financials
 - 16.3.6.4 SWOT Analysis
- 16.3.7 International Business Machines Corporation
 - 16.3.7.1 Company Overview
 - 16.3.7.2 Product Portfolio
 - 16.3.7.3 Financials
 - 16.3.7.4 SWOT Analysis
- 16.3.8 Juniper Networks Inc.
 - 16.3.8.1 Company Overview
 - 16.3.8.2 Product Portfolio
 - 16.3.8.3 Financials
 - 16.3.8.4 SWOT Analysis
- 16.3.9 Micro Focus International PLC
 - 16.3.9.1 Company Overview
 - 16.3.9.2 Product Portfolio
 - 16.3.9.3 Financials
- 16.3.10 Netbrain Technologies Inc.

- 16.3.10.1 Company Overview
- 16.3.10.2 Product Portfolio
- 16.3.11 Solarwinds Corporation
 - 16.3.11.1 Company Overview
 - 16.3.11.2 Product Portfolio
 - 16.3.11.3 Financials
- 16.3.12 VMware Inc.
 - 16.3.12.1 Company Overview
 - 16.3.12.2 Product Portfolio
 - 16.3.12.3 Financials
 - 16.3.12.4 SWOT Analysis

List Of Tables

LIST OF TABLES

Table 1: Global: Network Automation Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Network Automation Market Forecast: Breakup by Component (in Million US\$), 2023-2028

Table 3: Global: Network Automation Market Forecast: Breakup by Deployment Mode (in Million US\$), 2023-2028

Table 4: Global: Network Automation Market Forecast: Breakup by Organization Size (in Million US\$), 2023-2028

Table 5: Global: Network Automation Market Forecast: Breakup by Network Type (in Million US\$), 2023-2028

Table 6: Global: Network Automation Market Forecast: Breakup by End Use Industry (in Million US\$), 2023-2028

Table 7: Global: Network Automation Market Forecast: Breakup by Region (in Million US\$), 2023-2028

Table 8: Global: Network Automation Market: Competitive Structure

Table 9: Global: Network Automation Market: Key Players

List Of Figures

LIST OF FIGURES

- Figure 1: Global: Network Automation Market: Major Drivers and Challenges
- Figure 2: Global: Network Automation Market: Sales Value (in Billion US\$), 2017-2022
- Figure 3: Global: Network Automation Market Forecast: Sales Value (in Billion US\$), 2023-2028
- Figure 4: Global: Network Automation Market: Breakup by Component (in %), 2022
- Figure 5: Global: Network Automation Market: Breakup by Deployment Mode (in %), 2022
- Figure 6: Global: Network Automation Market: Breakup by Organization Size (in %), 2022
- Figure 7: Global: Network Automation Market: Breakup by Network Type (in %), 2022
- Figure 8: Global: Network Automation Market: Breakup by End Use Industry (in %), 2022
- Figure 9: Global: Network Automation Market: Breakup by Region (in %), 2022
- Figure 10: Global: Network Automation (Solution) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 11: Global: Network Automation (Solution) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 12: Global: Network Automation (Services) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 13: Global: Network Automation (Services) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 14: Global: Network Automation (On-premises) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 15: Global: Network Automation (On-premises) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 16: Global: Network Automation (Cloud-based) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 17: Global: Network Automation (Cloud-based) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 18: Global: Network Automation (Large Enterprises) Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 19: Global: Network Automation (Large Enterprises) Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 20: Global: Network Automation (Small and Medium-size Enterprises) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Network Automation (Small and Medium-size Enterprises) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Network Automation (Physical) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Network Automation (Physical) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Network Automation (Virtual) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Network Automation (Virtual) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Network Automation (Hybrid) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Network Automation (Hybrid) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Network Automation (IT and Telecom) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Network Automation (IT and Telecom) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: Global: Network Automation (Manufacturing) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: Global: Network Automation (Manufacturing) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: Global: Network Automation (Energy and Utility) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: Global: Network Automation (Energy and Utility) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Global: Network Automation (Banking and Financial Services) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Global: Network Automation (Banking and Financial Services) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Global: Network Automation (Education) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Global: Network Automation (Education) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: Global: Network Automation (Other End Use Industries) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: Global: Network Automation (Other End Use Industries) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: North America: Network Automation Market: Sales Value (in Million US\$),

2017 & 2022

Figure 41: North America: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 42: United States: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 43: United States: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 44: Canada: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 45: Canada: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 46: Asia-Pacific: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 47: Asia-Pacific: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 48: China: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 49: China: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 50: Japan: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 51: Japan: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 52: India: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 53: India: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 54: South Korea: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 55: South Korea: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 56: Australia: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 57: Australia: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 58: Indonesia: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 59: Indonesia: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 60: Others: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 61: Others: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Europe: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Europe: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Germany: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Germany: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: France: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: France: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: United Kingdom: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: United Kingdom: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Italy: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Italy: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Spain: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Spain: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Russia: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Russia: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Others: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Others: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 78: Latin America: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 79: Latin America: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 80: Brazil: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 81: Brazil: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 82: Mexico: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 83: Mexico: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 84: Others: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 85: Others: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 86: Middle East and Africa: Network Automation Market: Sales Value (in Million US\$), 2017 & 2022

Figure 87: Middle East and Africa: Network Automation Market: Breakup by Country (in %), 2022

Figure 88: Middle East and Africa: Network Automation Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 89: Global: Network Automation Industry: SWOT Analysis

Figure 90: Global: Network Automation Industry: Value Chain Analysis

Figure 91: Global: Network Automation Industry: Porter's Five Forces Analysis

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