

Data Center Automation Market Outlook 2025-2034: Market Share, and Growth Analysis By Component (Solution, Services), By Deployment (On-Premise, Cloud), By Enterprise, By End-Use

<https://marketpublishers.com/r/DD64C575E869EN.html>

Date: October 2025

Pages: 160

Price: US\$ 3,950.00 (Single User License)

ID: DD64C575E869EN

Abstracts

The Data Center Automation Market is valued at USD 10.1 billion in 2025 and is projected to grow at a CAGR of 17.1% to reach USD 41.8 billion by 2034. The data center automation market has become a vital component of modern IT operations, providing tools and processes that streamline data center management, improve efficiency, and reduce manual intervention. By leveraging automation technologies, organizations can handle routine tasks such as provisioning, configuration management, monitoring, and incident response with greater speed and consistency. The rise of cloud computing, edge deployments, and increasingly complex IT environments has further fueled the demand for data center automation solutions, which help enterprises achieve operational agility and maintain high service availability. The data center automation market experienced significant advancements, particularly in the integration of artificial intelligence (AI) and machine learning (ML) for predictive maintenance, capacity planning, and intelligent workload balancing. Vendors introduced more sophisticated orchestration platforms that enabled centralized control and policy enforcement across hybrid and multi-cloud environments. Additionally, the growing adoption of Infrastructure as Code (IaC) practices allowed IT teams to automate infrastructure provisioning and updates, reducing human error and accelerating deployment cycles. These developments not only improved operational efficiency but also supported the shift toward more resilient and flexible data center architectures. Looking forward, the data center automation market is poised for steady growth as enterprises continue to prioritize efficiency and scalability. Emerging trends such as autonomous data center operations, intent-based networking, and integration with DevOps pipelines will drive further innovation. Additionally, as organizations adopt more

advanced technologies such as containerization and serverless computing, automation will play an increasingly critical role in managing these dynamic, distributed environments. The market is expected to remain a key enabler of digital transformation initiatives, helping businesses optimize their data center investments while maintaining high levels of performance and reliability.

Key Insights Data Center Automation Market

Increasing use of AI and ML for predictive analytics and intelligent workload management.

Wider adoption of Infrastructure as Code (IaC) for automated provisioning and configuration.

Growing interest in autonomous data center operations for reduced manual intervention.

Integration of automation tools with hybrid and multi-cloud environments.

Expansion of intent-based networking and policy-driven automation solutions.

Rising complexity of IT environments, requiring more efficient management solutions.

Increased adoption of hybrid and multi-cloud strategies, driving demand for unified automation platforms.

Growing need for rapid scalability and agility in modern data centers.

Pressure to reduce operating costs while improving service reliability and performance.

High implementation costs and the complexity of integrating automation tools into legacy environments.

Ensuring consistent policy enforcement and governance across diverse infrastructure.

Data security and compliance concerns in automated workflows.

Data Center Automation Market Segmentation

By Component

Solution

Services

By Deployment

On-Premise

Cloud

By Enterprise

Large Size Enterprises

Small And Medium Sized Enterprises (SMEs)

By End-Use

Manufacturing

Banking

Financial Services And Insurance (BFSI)

Healthcare

Retail

Information Technology (IT) And Telecommunication

Other End-Users

Key Companies Analysed

Microsoft Corporation

Dell Technologies Inc.

Siemens AG

Intel Corporation

IBM Corporation

Cisco Systems Inc.

Oracle Corporation

Fujitsu Ltd.

ABB Limited

Hewlett Packard Enterprise Development LP

Broadcom

VMware

Inc.

Service Now Inc.

Arista Networks

Inc.

Citrix Systems Inc.

EntIT Software LLC

BMC Software Inc.

Veristor Systems Inc.

Chef Software Inc.

Puppet

HashRoot Ltd.

Micro Focus International plc

Brocade Communications Systems

CA Technologies

Riverturn Inc.

Data Center Automation Market Analytics

The report employs rigorous tools, including Porter's Five Forces, value chain mapping, and scenario-based modeling, to assess supply–demand dynamics. Cross-sector influences from parent, derived, and substitute markets are evaluated to identify risks and opportunities. Trade and pricing analytics provide an up-to-date view of international flows, including leading exporters, importers, and regional price trends.

Macroeconomic indicators, policy frameworks such as carbon pricing and energy security strategies, and evolving consumer behavior are considered in forecasting scenarios. Recent deal flows, partnerships, and technology innovations are incorporated to assess their impact on future market performance.

Data Center Automation Market Competitive Intelligence

The competitive landscape is mapped through OG Analysis' proprietary frameworks, profiling leading companies with details on business models, product portfolios, financial performance, and strategic initiatives. Key developments such as mergers &

acquisitions, technology collaborations, investment inflows, and regional expansions are analyzed for their competitive impact. The report also identifies emerging players and innovative startups contributing to market disruption.

Regional insights highlight the most promising investment destinations, regulatory landscapes, and evolving partnerships across energy and industrial corridors.

Countries Covered

North America — Data Center Automation market data and outlook to 2034

United States

Canada

Mexico

Europe — Data Center Automation market data and outlook to 2034

Germany

United Kingdom

France

Italy

Spain

BeNeLux

Russia

Sweden

Asia-Pacific — Data Center Automation market data and outlook to 2034

China

Japan

India

South Korea

Australia

Indonesia

Malaysia

Vietnam

Middle East and Africa — Data Center Automation market data and outlook to 2034

Saudi Arabia

South Africa

Iran

UAE

Egypt

South and Central America — Data Center Automation market data and outlook to 2034

Brazil

Argentina

Chile

Peru

** We can include data and analysis of additional countries on demand.*

Research Methodology

This study combines primary inputs from industry experts across the Data Center Automation value chain with secondary data from associations, government publications, trade databases, and company disclosures. Proprietary modeling techniques, including data triangulation, statistical correlation, and scenario planning, are applied to deliver reliable market sizing and forecasting.

Key Questions Addressed

What is the current and forecast market size of the Data Center Automation industry at global, regional, and country levels?

Which types, applications, and technologies present the highest growth potential?

How are supply chains adapting to geopolitical and economic shocks?

What role do policy frameworks, trade flows, and sustainability targets play in shaping demand?

Who are the leading players, and how are their strategies evolving in the face of global uncertainty?

Which regional “hotspots” and customer segments will outpace the market, and what go-to-market and partnership models best support entry and expansion?

Where are the most investable opportunities—across technology roadmaps, sustainability-linked innovation, and M&A—and what is the best segment to invest over the next 3–5 years?

Your Key Takeaways from the Data Center Automation Market Report

Global Data Center Automation market size and growth projections (CAGR), 2024-2034

Impact of Russia-Ukraine, Israel-Palestine, and Hamas conflicts on Data Center Automation trade, costs, and supply chains

Data Center Automation market size, share, and outlook across 5 regions and 27 countries, 2023-2034

Data Center Automation market size, CAGR, and market share of key products, applications, and end-user verticals, 2023-2034

Short- and long-term Data Center Automation market trends, drivers, restraints, and opportunities

Porter's Five Forces analysis, technological developments, and Data Center Automation supply chain analysis

Data Center Automation trade analysis, Data Center Automation market price analysis, and Data Center Automation supply/demand dynamics

Profiles of 5 leading companies—overview, key strategies, financials, and products

Latest Data Center Automation market news and developments

Additional Support

With the purchase of this report, you will receive

An updated PDF report and an MS Excel data workbook containing all market tables and figures for easy analysis.

7-day post-sale analyst support for clarifications and in-scope supplementary data, ensuring the deliverable aligns precisely with your requirements.

Complimentary report update to incorporate the latest available data and the impact of recent market developments.

** The updated report will be delivered within 3 working days*

Contents

1. TABLE OF CONTENTS

- 1.1 List of Tables
- 1.2 List of Figures

2. GLOBAL DATA CENTER AUTOMATION MARKET SUMMARY, 2025

- 2.1 Data Center Automation Industry Overview
 - 2.1.1 Global Data Center Automation Market Revenues (In US\$ billion)
- 2.2 Data Center Automation Market Scope
- 2.3 Research Methodology

3. DATA CENTER AUTOMATION MARKET INSIGHTS, 2024-2034

- 3.1 Data Center Automation Market Drivers
- 3.2 Data Center Automation Market Restraints
- 3.3 Data Center Automation Market Opportunities
- 3.4 Data Center Automation Market Challenges
- 3.5 Tariff Impact on Global Data Center Automation Supply Chain Patterns

4. DATA CENTER AUTOMATION MARKET ANALYTICS

- 4.1 Data Center Automation Market Size and Share, Key Products, 2025 Vs 2034
- 4.2 Data Center Automation Market Size and Share, Dominant Applications, 2025 Vs 2034
- 4.3 Data Center Automation Market Size and Share, Leading End Uses, 2025 Vs 2034
- 4.4 Data Center Automation Market Size and Share, High Growth Countries, 2025 Vs 2034
- 4.5 Five Forces Analysis for Global Data Center Automation Market
 - 4.5.1 Data Center Automation Industry Attractiveness Index, 2025
 - 4.5.2 Data Center Automation Supplier Intelligence
 - 4.5.3 Data Center Automation Buyer Intelligence
 - 4.5.4 Data Center Automation Competition Intelligence
 - 4.5.5 Data Center Automation Product Alternatives and Substitutes Intelligence
 - 4.5.6 Data Center Automation Market Entry Intelligence

5. GLOBAL DATA CENTER AUTOMATION MARKET STATISTICS – INDUSTRY

REVENUE, MARKET SHARE, GROWTH TRENDS AND FORECAST BY SEGMENTS, TO 2034

5.1 World Data Center Automation Market Size, Potential and Growth Outlook, 2024-2034 (\$ billion)

5.1 Global Data Center Automation Sales Outlook and CAGR Growth By Component, 2024- 2034 (\$ billion)

5.2 Global Data Center Automation Sales Outlook and CAGR Growth By Deployment , 2024- 2034 (\$ billion)

5.3 Global Data Center Automation Sales Outlook and CAGR Growth By Enterprise, 2024- 2034 (\$ billion)

5.4 Global Data Center Automation Sales Outlook and CAGR Growth By End-Use, 2024- 2034 (\$ billion)

5.5 Global Data Center Automation Market Sales Outlook and Growth by Region, 2024-2034 (\$ billion)

6. ASIA PACIFIC DATA CENTER AUTOMATION INDUSTRY STATISTICS – MARKET SIZE, SHARE, COMPETITION AND OUTLOOK

6.1 Asia Pacific Data Center Automation Market Insights, 2025

6.2 Asia Pacific Data Center Automation Market Revenue Forecast By Component, 2024- 2034 (USD billion)

6.3 Asia Pacific Data Center Automation Market Revenue Forecast By Deployment , 2024- 2034 (USD billion)

6.4 Asia Pacific Data Center Automation Market Revenue Forecast By Enterprise, 2024- 2034 (USD billion)

6.5 Asia Pacific Data Center Automation Market Revenue Forecast By End-Use, 2024-2034 (USD billion)

6.6 Asia Pacific Data Center Automation Market Revenue Forecast by Country, 2024-2034 (USD billion)

6.6.1 China Data Center Automation Market Size, Opportunities, Growth 2024- 2034

6.6.2 India Data Center Automation Market Size, Opportunities, Growth 2024- 2034

6.6.3 Japan Data Center Automation Market Size, Opportunities, Growth 2024- 2034

6.6.4 Australia Data Center Automation Market Size, Opportunities, Growth 2024-2034

7. EUROPE DATA CENTER AUTOMATION MARKET DATA, PENETRATION, AND BUSINESS PROSPECTS TO 2034

- 7.1 Europe Data Center Automation Market Key Findings, 2025
- 7.2 Europe Data Center Automation Market Size and Percentage Breakdown By Component, 2024- 2034 (USD billion)
- 7.3 Europe Data Center Automation Market Size and Percentage Breakdown By Deployment , 2024- 2034 (USD billion)
- 7.4 Europe Data Center Automation Market Size and Percentage Breakdown By Enterprise, 2024- 2034 (USD billion)
- 7.5 Europe Data Center Automation Market Size and Percentage Breakdown By End-Use, 2024- 2034 (USD billion)
- 7.6 Europe Data Center Automation Market Size and Percentage Breakdown by Country, 2024- 2034 (USD billion)
 - 7.6.1 Germany Data Center Automation Market Size, Trends, Growth Outlook to 2034
 - 7.6.2 United Kingdom Data Center Automation Market Size, Trends, Growth Outlook to 2034
 - 7.6.2 France Data Center Automation Market Size, Trends, Growth Outlook to 2034
 - 7.6.2 Italy Data Center Automation Market Size, Trends, Growth Outlook to 2034
 - 7.6.2 Spain Data Center Automation Market Size, Trends, Growth Outlook to 2034

8. NORTH AMERICA DATA CENTER AUTOMATION MARKET SIZE, GROWTH TRENDS, AND FUTURE PROSPECTS TO 2034

- 8.1 North America Snapshot, 2025
- 8.2 North America Data Center Automation Market Analysis and Outlook By Component, 2024- 2034 (\$ billion)
- 8.3 North America Data Center Automation Market Analysis and Outlook By Deployment , 2024- 2034 (\$ billion)
- 8.4 North America Data Center Automation Market Analysis and Outlook By Enterprise, 2024- 2034 (\$ billion)
- 8.5 North America Data Center Automation Market Analysis and Outlook By End-Use, 2024- 2034 (\$ billion)
- 8.6 North America Data Center Automation Market Analysis and Outlook by Country, 2024- 2034 (\$ billion)
 - 8.6.1 United States Data Center Automation Market Size, Share, Growth Trends and Forecast, 2024- 2034
 - 8.6.1 Canada Data Center Automation Market Size, Share, Growth Trends and Forecast, 2024- 2034
 - 8.6.1 Mexico Data Center Automation Market Size, Share, Growth Trends and Forecast, 2024- 2034

9. SOUTH AND CENTRAL AMERICA DATA CENTER AUTOMATION MARKET DRIVERS, CHALLENGES, AND FUTURE PROSPECTS

9.1 Latin America Data Center Automation Market Data, 2025

9.2 Latin America Data Center Automation Market Future By Component, 2024- 2034 (\$ billion)

9.3 Latin America Data Center Automation Market Future By Deployment , 2024- 2034 (\$ billion)

9.4 Latin America Data Center Automation Market Future By Enterprise, 2024- 2034 (\$ billion)

9.5 Latin America Data Center Automation Market Future By End-Use, 2024- 2034 (\$ billion)

9.6 Latin America Data Center Automation Market Future by Country, 2024- 2034 (\$ billion)

9.6.1 Brazil Data Center Automation Market Size, Share and Opportunities to 2034

9.6.2 Argentina Data Center Automation Market Size, Share and Opportunities to 2034

10. MIDDLE EAST AFRICA DATA CENTER AUTOMATION MARKET OUTLOOK AND GROWTH PROSPECTS

10.1 Middle East Africa Overview, 2025

10.2 Middle East Africa Data Center Automation Market Statistics By Component, 2024- 2034 (USD billion)

10.3 Middle East Africa Data Center Automation Market Statistics By Deployment , 2024- 2034 (USD billion)

10.4 Middle East Africa Data Center Automation Market Statistics By Enterprise, 2024- 2034 (USD billion)

10.5 Middle East Africa Data Center Automation Market Statistics By Enterprise, 2024- 2034 (USD billion)

10.6 Middle East Africa Data Center Automation Market Statistics by Country, 2024- 2034 (USD billion)

10.6.1 Middle East Data Center Automation Market Value, Trends, Growth Forecasts to 2034

10.6.2 Africa Data Center Automation Market Value, Trends, Growth Forecasts to 2034

11. DATA CENTER AUTOMATION MARKET STRUCTURE AND COMPETITIVE LANDSCAPE

- 11.1 Key Companies in Data Center Automation Industry
- 11.2 Data Center Automation Business Overview
- 11.3 Data Center Automation Product Portfolio Analysis
- 11.4 Financial Analysis
- 11.5 SWOT Analysis

12 APPENDIX

- 12.1 Global Data Center Automation Market Volume (Tons)
- 12.1 Global Data Center Automation Trade and Price Analysis
- 12.2 Data Center Automation Parent Market and Other Relevant Analysis
- 12.3 Publisher Expertise
- 12.2 Data Center Automation Industry Report Sources and Methodology

I would like to order

Product name: Data Center Automation Market Outlook 2025-2034: Market Share, and Growth Analysis By Component (Solution, Services), By Deployment (On-Premise, Cloud), By Enterprise, By End-Use

Product link: <https://marketpublishers.com/r/DD64C575E869EN.html>

Price: US\$ 3,950.00 (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/DD64C575E869EN.html>