

Global Software-defined Automation Market Size Study, by Component (Solutions, Services), Deployment (On-premises, Cloud-based), Application (Process Automation, Network Automation), End-use, and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G86DE72844B3EN.html>

Date: February 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G86DE72844B3EN

Abstracts

The Global Software-defined Automation Market was valued at approximately USD 33.6 million in 2023 and is projected to grow at an impressive CAGR of 13.1% over the forecast period 2024-2032. As industries increasingly embrace digital transformation, the shift towards software-defined automation (SDA) has gained significant momentum. SDA is revolutionizing operational workflows by enabling centralized automation, orchestration, and control of IT and industrial systems through software-defined infrastructures. Organizations across diverse sectors are integrating SDA solutions to enhance efficiency, reduce manual intervention, and optimize network operations.

The growing reliance on cloud-based automation solutions is further fueling market expansion, enabling businesses to scale their operations dynamically while minimizing infrastructure complexities. Major players in the industry are investing heavily in AI-driven automation, robotic process automation (RPA), and intelligent workflow solutions to drive real-time decision-making. However, challenges such as high initial deployment costs, integration complexities, and security concerns surrounding software-defined architectures may hinder widespread adoption.

From a regional perspective, North America dominates the Software-defined Automation market, driven by large-scale digitalization, cloud adoption, and increasing demand for AI-powered automation solutions. Meanwhile, Europe is witnessing strong growth due to the rising implementation of SDA in manufacturing, BFSI, and healthcare sectors. The Asia Pacific region is projected to experience the fastest growth, with

countries such as China, India, and Japan investing heavily in Industry 4.0 initiatives and automated smart factories. The Middle East & Africa and Latin America are also emerging as potential markets, driven by growing IT investments and government-led automation initiatives.

The competitive landscape of the Global Software-defined Automation Market is characterized by intense technological innovation, strategic partnerships, and acquisitions aimed at enhancing automation capabilities. Leading companies are focusing on cloud-native solutions, AI-driven automation, and self-healing networks to cater to evolving industry demands. As businesses strive for greater operational efficiency, the demand for SDA solutions is expected to reshape enterprise automation across multiple industries.

Major Market Players Included in This Report:

IBM Corporation

Cisco Systems, Inc.

Microsoft Corporation

VMware, Inc.

Amazon Web Services, Inc.

Google LLC

Hewlett Packard Enterprise (HPE)

Siemens AG

Schneider Electric SE

ABB Ltd.

Rockwell Automation, Inc.

Oracle Corporation

ServiceNow, Inc.

Fujitsu Limited

Red Hat, Inc.

The Detailed Segments and Sub-segments of the Market Are Explained Below:

By Component:

Solutions

Services

By Deployment:

On-premises

Cloud-based

By Application:

Process Automation

Network Automation

By End-use:

Manufacturing

IT & Telecom

BFSI

Healthcare

Energy & Utilities

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024-2032

Key Takeaways:

Market Estimates & Forecasts for 10 years from 2022 to 2032.

Annualized revenue projections and regional-level analysis for each market segment.

Comprehensive insights into the geographical landscape with country-level analysis.

Competitive analysis of major market players and their strategic developments.

In-depth analysis of market dynamics, challenges, trends, and growth opportunities.

Recommendations on business strategies to capitalize on emerging market trends.

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