

Global Software Defined Networking Market Size study, by Component (Solutions, Services), Type (Open SDN, SDN via API, SDN via Overlay, Hybrid SDN), End-use (Enterprise), and Regional Forecasts 2022-2032

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Abstracts

The Global Software Defined Networking (SDN) Market, valued at approximately USD 34.29 billion in 2023, is set to witness an impressive growth trajectory, registering a compound annual growth rate (CAGR) of 17.9% during the forecast period of 2024 to 2032. SDN revolutionizes the way networks are managed by decoupling the control plane from the data plane, enabling centralized network management, improved scalability, and enhanced flexibility. This paradigm shift is pivotal in addressing the growing complexities of modern networks driven by cloud computing, edge computing, and the Internet of Things (IoT).

The rising demand for agility and programmability in network management has spurred significant adoption of SDN across enterprises globally. The integration of SDN with emerging technologies such as artificial intelligence (AI) and machine learning (ML) is enabling predictive analytics and automated troubleshooting, further driving market growth. Enterprises are leveraging SDN solutions to optimize bandwidth usage, improve security protocols, and enhance overall operational efficiency. However, challenges such as interoperability issues and high initial deployment costs may impede growth.

The regional dynamics of the SDN market reveal that North America dominated the market in 2023, owing to the presence of key players, substantial investments in R&D, and widespread adoption of advanced IT infrastructure. Europe follows closely, driven by increasing digital transformation initiatives and regulatory support. The Asia-Pacific region, however, is poised to exhibit the fastest growth rate during the forecast period,

fueled by rapid urbanization, growing IT service sectors, and government-backed initiatives promoting digital ecosystems in countries like China and India.

The competitive landscape of the market is characterized by robust collaborations, mergers, and strategic investments. Companies are focusing on offering integrated SDN solutions and leveraging innovative technologies to differentiate themselves in the market. The push towards hybrid and multi-cloud strategies is further bolstering the adoption of SDN solutions.

Major market players included in this report are:

Cisco Systems, Inc.

VMware, Inc.

Hewlett Packard Enterprise (HPE)

Juniper Networks, Inc.

Nokia Corporation

NEC Corporation

Huawei Technologies Co., Ltd.

Broadcom Inc.

Extreme Networks, Inc.

Arista Networks, Inc.

Big Switch Networks

Dell Technologies

IBM Corporation

Pluribus Networks

Citrix Systems, Inc.

The detailed segments and sub-segment of the market are explained below:

By Component:

Solutions

Services

By Type:

Open SDN

SDN via API

SDN via Overlay

Hybrid SDN

By End-use:

Enterprise

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 are as follows:

Historical year: 2022

Base year: 2023

Forecast period: 2024-2032

Key Takeaways:

Market estimates & forecasts for 10 years from 2022 to 2032.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approaches.

Analysis of the competitive structure of the market.

Demand-side and supply-side analysis of the market

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