

Global Software-Defined Networking (SDN) Market Report and Forecast 2024-2032

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Report description:

Global Software-Defined Networking (SDN) Market Report and Forecast 2024-2032

Market Outlook

According to the report by Expert Market Research (EMR), the global software-defined networking (SDN) market is projected to grow at a CAGR of 31.7% between 2024 and 2032. Aided by the rising need for advanced network architecture and the broadening applications of SDN across various sector, the market is expected to grow significantly by 2032.

Software-defined networking symbolises an innovative paradigm in network management. It provides programmable network interfaces, streamlining network performance and monitoring. SDN plays a cardinal role in heightening network agility, curtailing network complexity, and diminishing operational costs. Beyond these benefits, SDN also offers centralised network control and enhanced security, positioning it as a fundamental instrument across an array of sectors, including telecommunications, cloud service providers, and enterprise data centres.

The intensifying demand for advanced and efficient network infrastructures is primarily catalysing the global software-defined networking (SDN) market growth. The digital transformation of businesses and the increasing volumes of data traffic have precipitated a substantial shift towards SDN. The mounting requirement for network security and the desire for centralised control over network traffic further solidify the relevance and popularity of SDN.

The widening applications of SDN across a host of industries significantly augment the software-defined networking (SDN) market development. The telecommunications industry leverages SDN for superior bandwidth management and efficient network traffic control. Cloud service providers harness the capabilities of SDN to craft scalable and flexible cloud networks, while enterprise data centres utilise SDN for effectual data centre management and operations.

Moreover, the escalating focus on network virtualisation and the growing allure of cloud services have led to an accentuated emphasis on SDN as a competent networking solution. With the swift advancement in network technologies and the soaring demand for mobility services, SDN has emerged as a linchpin in the progression of network technologies, thereby propelling the software-defined networking (SDN) market expansion.

The growing demand for business mobility is one of the factors influencing the increased use of personal computers, such as smartphones, laptops, and tablets, to access corporate networks. SDN, or software-defined networking, allows network operators to make decisions about network traffic more effectively and centrally. It encourages network personalisation and permits

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metered customer use. These factors will accelerate the global software-defined networking (SDN) market growth.

Market Segmentation

The market can be divided based on type, end use, and region.

Market Breakup by Type

- Open SDN

- SDN Via API

- SDN Via Overlay

Market Breakup by End Use

- Data Centres

- Service Providers

- Enterprises

- Banking, Financial Services, and Insurance

- Manufacturing

- Retail

- Healthcare

- Education

- Government and Defence

Market Breakup by Region

- North America

- Europe

- Asia Pacific

- Latin America

- Middle East and Africa

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the global software-defined networking (SDN) market. Some of the major players explored in the report by Expert Market Research are as follows:

- Arista Networks, Inc.

- Cisco Systems, Inc.

- HUAWEI Technologies Co., Ltd.

- Juniper Networks, Inc.

- VMware, Inc.

- Extreme Networks, Inc.

- Others

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