

Software-Defined Networking Market to Expand Due to Rising Demand for Network Virtualization and Proliferation of IoT

“According to SNS Insider, the Software-Defined Networking Market size was estimated at US\$ 10.12 Bn in 2022, and is expected to reach US\$ 44.09 Bn by 2030, with a growing healthy CAGR of 20.2% over the forecast period 2023-2030.”



Austin, Texas Oct 4, 2023 ([Issuewire.com](https://www.issuewire.com)) - Software-Defined Networking Market Scope & Overview:

The [Software-Defined Networking Market](#), valued at USD 10.12 Billion in 2022, is projected to reach USD 44.09 billion by 2030, exhibiting a compound annual growth rate (CAGR) of 20.2% during the forecast period from 2023 to 2030, as per the SNS Insider report.

Software-Defined Networking (SDN) is an innovative approach to network management that allows network administrators to control and manage network resources through software applications. In SDN, a centralized controller is used to manage the flow control to and from network devices like routers and switches. This controller communicates with the switches and routers in the network through southbound APIs (Application Programming Interfaces) like OpenFlow.

Get a Free Sample Report of the Software-Defined Networking Market

@ <https://www.snsinsider.com/sample-request/2781>

Major Key Players Included in the Report are:

- Dell EMC
- DataCore Software
- HPE
- Huawei
- Juniper Networks
- Citrix
- Nokia
- Extreme Networks
- Infovista
- NEC
- Pluribus Networks
- Scale Computing
- VMware
- Arista Networks
- CloudGenix
- Cisco
- Cumulus Networks
- Oracle
- Fortinet
- Fujitsu
- Hivelo
- Lenovo
- NetApp
- Others

Market Analysis

As businesses increasingly shift towards cloud-based services and virtualization, the demand for network virtualization solutions has surged. SDN enables efficient management of virtualized networks, allowing businesses to scale their operations without the need for extensive physical infrastructure. The rollout of 5G networks demands more flexible, scalable, and efficient infrastructure. SDN, by decoupling the network control and data planes, provides the agility required to support the diverse and dynamic demands of 5G technology. Consequently, the adoption of SDN is growing in tandem with the deployment of 5G networks. With the proliferation of IoT devices across various industries, there's a need for networks that can handle the massive influx of data from these devices. SDN optimizes network traffic and ensures seamless connectivity, making it a vital technology for businesses dealing with IoT applications. Data centers are the backbone of many modern businesses. SDN technology optimizes data center networks, improving resource utilization and enabling dynamic allocation of network resources based on demand. This efficiency in data center operations is a significant driver for SDN adoption. All these factors foster the software-defined networking market.

Market Segmentation and Sub-Segmentation Included Are:

By component:

- Solutions
- Services

By SDN Types:

- Open SDN
- SDN via API
- SDN Via Overlay

By End-user:

- Service Providers
- Enterprises

By Enterprise vertical:

- BFSI
- ITeS
- Education
- Retail
- Manufacturing
- Government and Defense
- Healthcare
- Others

Impact of Recession

The ongoing recession is reshaping the software-defined networking market. While initial investment hesitancy is prevalent, the long-term benefits of SDN in terms of efficiency, scalability, security, and flexibility are making it a resilient choice for businesses aiming to navigate the challenges posed by economic uncertainties. Vendors that can adapt to the evolving needs of their clients and innovate their offerings are likely to thrive in this competitive landscape.

Segmentation Analysis

The BFSI segment has emerged as a dominant force in the realm of Software-Defined Networking (SDN). With the digital revolution sweeping across the financial landscape, BFSI institutions are increasingly relying on SDN solutions to enhance their operational efficiency and deliver seamless services to customers. The Open SDN segment's dominance signifies a paradigm shift in the software-defined networking market. Its openness, flexibility, interoperability, and collaborative ethos are reshaping how businesses perceive and implement software-defined networking, making it a driving force behind the digital transformation initiatives of modern enterprises.

Regional Status & Analysis

North America stands at the forefront of SDN innovation. The presence of tech giants in Silicon Valley has created a fertile ground for research and development. Furthermore, stringent data protection laws and the need for high-performance networks in sectors such as finance and healthcare are driving the software-defined networking market. Europe boasts a diverse SDN market. Countries like the UK and Germany lead the way in adopting SDN, driven by the need for efficient network solutions in their robust

industrial sectors. However, stringent data protection regulations like GDPR impact the market. The Asia-Pacific region is witnessing rapid economic growth and digitization. Emerging economies like China and India are investing heavily in SDN to support their burgeoning IT sectors. The market here is characterized by a high demand for cost-effective solutions, leading to the proliferation of SDN startups.

Conclusion

The future of the market is promising, driven by technological advancements, increasing digitalization, and evolving customer needs. As businesses recognize the importance of agile and efficient network infrastructures, the demand for SDN solutions will continue to rise. Companies that invest in innovative SDN technologies, especially those aligned with 5G, edge computing, cloud-native architectures, and AI integration, are poised to capitalize on the immense opportunities presented by the evolving landscape of networking technologies.

Enquire about the Report @ <https://www.snsinsider.com/enquiry/2781>

Frequently Asked Questions

Q1) What is the projected outlook for software-defined networking market growth?

Ans: The global market to surpass USD 44.09 billion by 2030, exhibiting a CAGR of 20.2% during the forecast period from 2023 to 2030, as per the SNS Insider report.

Q2) What are the major factors influencing the software-defined networking market?

Ans: The market continues to expand due to its ability to enhance network efficiency, improve security, and adapt to emerging technologies like 5G and IoT.

Q3) Who are the leading players in the software-defined networking market?

Ans: Dell EMC (US), HPE(US), Huawei(China), Juniper Networks (US), Nokia (Finland), Extreme Networks (US), Pluribus Networks (US), VMware(US), Arista Networks (US), CloudGenix (US), Cisco (US), Oracle (US), Fortinet (US), Fujitsu (Japan), Lenovo (HongKong).

Table of Contents – Major Key Points

1. Introduction
2. Research Methodology
3. Market Dynamics
4. Impact Analysis
 - 4.1. COVID-19 Impact Analysis
 - 4.2. Impact of Ukraine- Russia War
 - 4.3. Impact of Ongoing Recession on Major Economies
5. Value Chain Analysis
6. Porter's 5 Forces Model
7. PEST Analysis
8. Software-defined Networking Market Segmentation, By Component
9. Software-defined Networking Market Segmentation, By SDN Types
10. Software-defined Networking Market Segmentation, By End-user
11. Software-defined Networking Market Segmentation, By Enterprise vertical

- 12. Regional Analysis
- 13. Company Profiles
- 14. Competitive Landscape
- 15. USE Cases and Best Practices
- 16. Conclusion

Buy Complete PDF of Software-Defined Networking Market Report 2023 @ <https://www.snsinsider.com/checkout/2781>

About Us:

SNS Insider is one of the leading market research and consulting agencies that dominates the market research industry globally. Our company's aim is to give clients the knowledge they require in order to function in changing circumstances. In order to give you current, accurate market data, consumer insights, and opinions so that you can make decisions with confidence, we employ a variety of techniques, including surveys, video talks, and focus groups around the world.

Read Our Related Reports:

[Public Key Infrastructure \(PKI\) Market Report 2023-2030](#)

[Network Security Firewall Market Report 2023-2030](#)

Read More ICT Related Reports

Media Contact

SNS Insider Pvt Ltd

info@snsinsider.com

+1-415-230-0044 (US)

Austin, Texas

Source : SNS Insider

[See on IssueWire](#)