Regional Insights and Industry Segmentation of the Software Defined Data Center (SDDC) Market: 2030

A rapid increase in demand for data storage is boosting the software-defined data center market growth.

PORTLAND, PORTLAND, OR, UNITED STATE, July 26, 2024 / EINPresswire.com/ -- According to a new report published by Allied Market Research, titled, the [software-defined data center market](#) size was valued at $39.45 billion in 2020, and is estimated to reach $320.59 billion by 2030, growing at a CAGR of 23.7% from 2021 to 2030.

Software Defined Data Center Market

A software-defined data center (SDDC) is a data storage facility in which all infrastructure elements, such as storage, CPU, networking, and security, are virtualized and delivered as a service. SDDC uses virtualization and cloud technologies to give end users software-based access to all data center resources. Furthermore, its main goal is to provide smarter services, better management solutions, and standardized hardware platforms.

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Automated data backup, streamlined data center operations, and quicker service delivery through network solutions, including software-defined storage (SDS), software-defined compute (SDC), and software-defined network (SDN) drive the growth of the market. For instance, VMware released second-generation VMware Cloud in May 2020, a cloud service that combines the convenience and agility of the public cloud with the protection and management of enterprise-grade on-premises infrastructure. Presently, increase in security concerns and integration complexity   are important development limitations. However, due to significant technical improvements in the software technology industry, these constraints are projected to fade away in the future.

Based on deployment mode, public segment acquired the major share of software defined data center market size. SDDC allows for the elimination of proprietary hardware dependency; this is one of the benefits that the cloud provides. In addition, this new approach will liberate the IT department so that it can focus on innovative projects that add value to the organization and its bottom line.

Region-wise, North America dominated the SDDC market in 2020, and is expected to maintain this trend during the forecast period. This is attributed to increase in demand for data storage and surge in investment by companies toward the SDDC across the IT sector.

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During the pandemic, the rise in demand for data center consolidation, cloud services, and server virtualization were the primary drivers of the software-defined data center solutions. The volume of data created by visiting the web necessitated the use of data centers and cloud services. Moreover, the widespread usage of virtual private networks (VPNs) for remote working and teleconferencing has resulted in increased data traffic on the internet. Several IT infrastructure suppliers are forced to embrace software-defined networking technologies as a result of the pandemic. Thus, these factors propelled the growth of the software-defined data center industry during the pandemic.

KEY FINDINGS OF THE STUDY

1. By component, the software segment led the highest software defined data center market share, in terms of revenue in 2020.

2. On the deployment mode, the hybrid segment is expected to exhibit the fastest growth rate during the software defined data center market forecast period.

3. Region-wise, North America generated the highest revenue in 2020.

The key players operating in the software defined data center market analysis include Citrix Systems, Inc., Cisco Systems, Inc., IBM Corporation, Microsoft, Hewlett Packard Enterprise Development LP, SAP SE, Oracle Corporation, Dell Inc., VMware, Inc., and Datacore Software. These players have adopted various strategies to increase their market penetration and strengthen their position in the industry.

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Contact:
David Correa
5933 NE Wi
Toll-Free: 1-800-792-5285
UK: +44-845-528-1300n Sivers Drive
#205, Portland, OR 97220
United States
Hong Kong: +852-301-84916
India (Pune): +91-20-66346060
Fax: +1-855-550-5975
help@alliedmarketresearch.com
Web: https://www.alliedmarketresearch.com
Follow Us on: LinkedIn Twitter

David Correa
Allied Market Research
+1 800-792-5285
email us here
Visit us on social media:
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X

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