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Software Defined Data Center Market Research Report - Global Forecast To 2023

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Description:

Global Software-Defined Data Center Market: by solution (SDC, SDS, SDN), by services (managed, consulting, assessment), by data center type (mid-sized, enterprise, large sized), by vertical (BFSI, Retail, IT, Healthcare, Government) - Global Forecast To 2023

Market Synopsis

Software-defined data center (SDDC) is a data center where all IT infrastructure is virtualized and delivered as a service. Deployment, provisioning, monitoring, and management of the data center resources are carried out through automated software. An SDDC supports enterprise legacy and modern applications. It can also be termed as enhanced virtualization of the data center for efficient operations of cloud services and big data analytics. It helps in reducing the capital and operational expenditure of data centers. The benefits of SDDC include improved efficiencies, agility, control, and flexibility.

Exponential big data growth and cost-effectiveness have led to a higher adoption of SDDC across industries, such as BFSI, retail, telecom & IT, and healthcare. Therefore, the SDDC market size is expected to register rapid growth in the near future owing to streamlined and automated software data center operations.

Segmentation

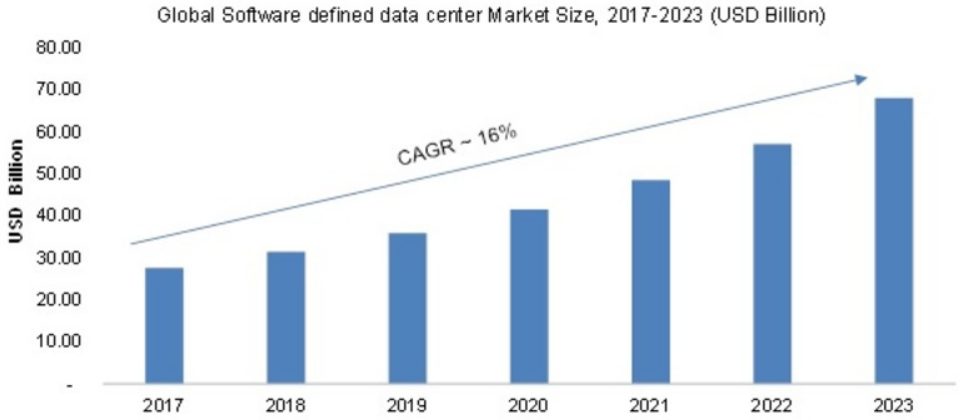
The global software-defined data center market is segmented on basis of services, network solution, data center type, vertical, and region. The network solution category is further classified into Software-defined storage (SDS), software-defined compute (SDC), and software-defined networking (SDN). On basis of the data center type, the market is further classified into mid-sized, enterprise and large sized. The services offered by software-defined data center are managed services, consulting and assessment services, integration, deployment, and migration services. The vertical segment can be further classified into retail, healthcare, telecom and IT, BFSI, government, manufacturing, and others.

Key Findings

VMware, Inc. is a subsidiary of Dell Technologies that provides cloud computing and platform virtualization software and services. It Developed SDCC technologies like vSAN, Site Recovery Manager (SRM), and virtual volumes. vSAN is the industry-leading software powering Hyper-Converged Infrastructure solutions.

VMware’s Software-Defined Storage solutions enhance today’s data center by delivering:

- Per-application storage services
- Rapid changes to storage infrastructure
- Heterogeneous storage support



The global software-defined data center market is expected to grow at a CAGR of 16% over the forecast period.

Traditionally, retailers have shouldered the burden of managing large-scale data centers with high volumes of inefficient, inflexible, expensive hardware supporting legacy or niche applications. The SDDC offers retailers access to a level of agility and responsiveness that meets the demands and indeed expectations of consumers to keep retailers competitive. It offers the elasticity required to keep technology permanently aligned with an organization's business objectives and priorities. It offers a dynamic workload based approach, which is specifically aligned with business applications, marketplace, and customer demands.

Regional Analysis

North America dominates the global software-defined data center market due to early adoption of technology and high investments in this sector. The Asia Pacific SDDC market is expected to grow rapidly over the forecast period. Increasing technological adoption and growing data center traffic providing huge opportunities across industry verticals in APAC countries, especially India, China, and Japan, which is driving the market growth of this region.

Some of the key players in the SDDC market are VMware Inc. (U.S.), EMC Corporation (U.S.), IBM Corporation (U.S.), Microsoft Corporation (U.S.), Cisco Systems, Inc. (U.S.); Hitachi, Ltd. (Japan), Fujitsu, Ltd. (Japan), NEC Corporation (Japan), Citrix Systems (U.S.), HPE Co (U.S.) among others.

Intended Audience

- Testing
- Software developers
- Technology providers
- Cloud service providers
- End-users

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