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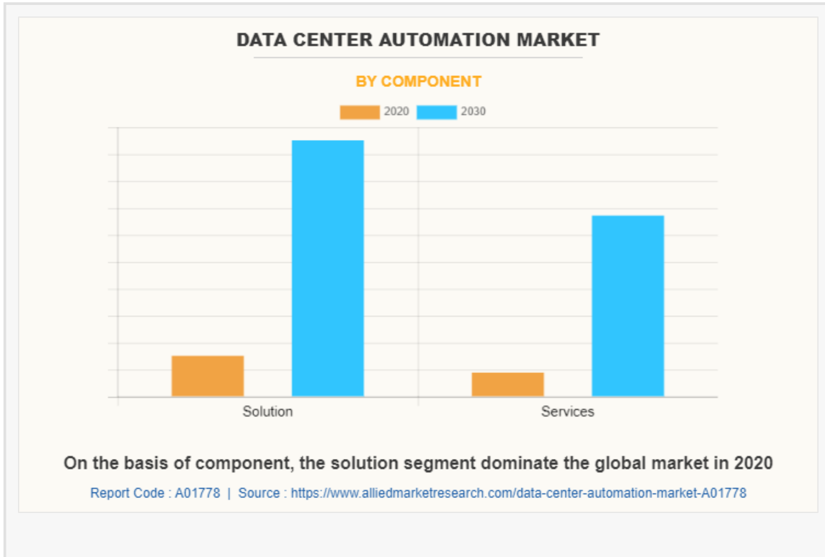
Data Center Automation Market : Global Trends, Growth Drivers, Opportunities and Challenges 2030

WILMINGTON, DE, UNITED STATES, March 19, 2024 /EINPresswire.com/ -- The [data center automation industry](https://www.alliedmarketresearch.com/data-center-automation-market-A01778) was valued at $4.8 billion in 2020, and is estimated to reach $32.5 billion by 2030, growing at a CAGR of 21.32% from 2021 to 2030.



Asia-Pacific is expected to observe highest growth rate during the data center automation market forecast period. Increase in investments for data center automation solutions among countries such as China, Japan, Thailand, India, and Indonesia fuels growth of the market. Moreover, increase in adoption of data center automation solutions in applications in Asia-Pacific is encouraging players to invest in research & development to meet growing needs of customers. With increase in number of vendors offering reasonable, superior, and personalized solutions, there is massive competition in Asia-Pacific. High demand for automation and increasing Internet penetration, combined with good economic growth propels growth of data center automation in Asia-Pacific.

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The data center automation market is influenced by several key factors that shape its trajectory. Applications across various industry verticals drive significant demand for data center automation solutions. This includes sectors such as finance, healthcare, manufacturing, and telecommunications, where efficient data management and processing are critical for operations.

Moreover, the growing emphasis on energy efficiency is a significant driver in the data center automation market. With organizations increasingly focused on sustainability and reducing their carbon footprint, automation technologies play a crucial role in optimizing energy usage and minimizing wastage in data center operations.

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The proliferation of cloud computing, social media, online gaming, and big data applications further fuels the demand for data center automation solutions. These applications generate vast amounts of data that need to be processed, stored, and analyzed in real-time, necessitating automated systems to handle the workload efficiently.

However, challenges such as power failures and storage limitations remain concerns in the data center automation landscape. Power failures can disrupt operations and lead to data loss, highlighting the importance of robust backup and recovery mechanisms in automated data centers. Additionally, storage limitations can constrain the scalability and performance of data center infrastructure, requiring innovative solutions to address these constraints effectively.

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While data center automation offers numerous benefits in terms of efficiency, scalability, and performance, addressing challenges related to power management and storage capacity will be crucial for sustained growth and adoption in the market.

Some of the key data center automation industry players profiled in the report include VMware, Inc., BMC Software, Cisco Systems, Inc., IBM Corp., Hewlett Packard Enterprise, Microsoft Corp., Puppet, Citrix Systems, Inc., ServiceNow, Inc., and Chef Software, Inc.

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