

Data Center Logical Security - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

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Report description:

The Data Center Logical Security Market is expected to register a CAGR of 9.5% during the forecast period.

Key Highlights

- Datacenter security deals with protecting organizational data against unauthorized access to safeguard data against security breaches. The increase in internet traffic has placed more importance on the role of data centers in meeting and managing the rising demands during the COVID-19 pandemic.
- Costs for data center security are going up a lot because large companies and service providers are upgrading their data centers to handle more data and the massive waves of cyberattacks. In the past few years, data center security solutions have become more popular and are growing quickly.
- The data center security market is driven by new technologies, more data traffic, a rise in virtualized data centers, and a rise in cyber threats. Along with privacy and security issues, growth is being slowed by the high cost of alternative solutions, the fact that people don't know about them, and the fact that there are so many of them.
- Manufacturers and vendors are interested in emerging economies because of how quickly cloud computing solutions are being adopted, how quickly new technologies are being adopted, and how many new data centers are being built. This gives both established and new vendors in the market a lot of opportunities.
- The global market for logical security for data centers is expected to grow quickly over the next few years. This is because there are more data centers and more cyber threats around the world. According to Cisco, the global data center volume climbed from 2,060 in 2020 to 2,300 in the previous year.

Since the coronavirus pandemic, there has been a lot of growth in the data center market, and many large facilities have been

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built. Also, companies are working more and more to protect customer data by putting in place security measures. As more businesses adapt to working remotely, there has been a rise in cloud storage and teleconferencing services. This affects the studied market positively.

Data Center Logical Security Market Trends

Increasing Demand for Access Control and Identification Solution

- In recent years, companies have significantly invested in IAM (Identity and Access Management) solutions to perform the jobs that are out of reach for humans since hackers and malicious employees are mostly unknown.
- An identity management cybersecurity breach caused by organized crime, state-sponsored militaries, or other groups can have a lot of negative effects on staff productivity and morale, the IT network, and the reputation of the company. These threats demand a new level of identity and access management solutions.
- In the cloud, data is expanding more quickly and is free to move wherever it is needed by a workforce that is becoming more mobile. The data center logical security market is likely to grow because more and more businesses want to protect their data in the cloud. Informatica, for instance, offers Intelligent Cloud ServicesSM, including user authentication, failover data centers, access controls, and security at the operating system, database, and application levels.
- Moreover, the use of AI and machine learning algorithms is also prevalent for the same. Advancements in this segment have led to machine learning algorithms being used in these solutions.
- The bulk of the authentications are expected to be performed by machine learning technology, as IAM increasingly relies on physical and behavioral biometrics for geolocation data. As these additions are anticipated to enhance the IAM solutions, the demand for these solutions is expected to increase.

European Market to Witness High Adoption of the Solutions

- Cloudscene says that Germany has the biggest market share in Europe, followed by the UK and the Netherlands. Other countries that contribute to the European market include France, Italy, and Poland.
- Despite the economic uncertainties, the region's demand for data centers remains strong. This will lead to the expansion of existing data centers and the building of new ones. The security, latency, and connectivity requirements drive enterprises to adopt data centers.
- Moreover, in April last year, TikTok established a data center in Dublin, Ireland, to house UK and EEA (TikTok) users. It applies a variety of complementary technological, contractual, and organizational safeguards to ensure that these transfers are subject to the same degree of data protection as in the UK and EEA. In practice, this implies that a solid set of physical and logical security measures and numerous rules and data access restrictions for workers safeguard any personal data.
- Logical security in data centers in the region is expected to be driven by the growing number of data centers, which is caused by companies investing and growing in the area. For instance, in October last year, AtlasEdge, a prominent provider of pan-European edge data centers, announced the acquisition of Datacenter One ("DC1"). AtlasEdge's European development continues, with DC1 being Germany's top data center supplier.
- Furthermore, in June last year, Schneider Electric announced a faster, prefabricated data center solution in Europe and a "modernization" of its network management software, Ecostruxure IT.

Data Center Logical Security Industry Overview

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The data center logical security market is expected to have a medium level of concentration with multiple players. Product launches, geographical expansion, acquisitions, and R&D activities are key strategies these players adopt in the Data Center Logical Security market. Some key players include major companies such as Cisco, IBM, HP, Dell, McAfee, Inc., and Juniper Networks, among many others.

In August 2022, Microsoft opened a new data center in Qatar. This made the country a bigger part of its global business. This expansion gives Qatar's consumers, organizations, and partners access to cloud services that are highly available, scalable, and strong. This promotes the use of intelligent cloud services and speeds up the digital transformation.

In October 2022, IBM will announce that version 11.5.8 of Db2 will be released first in the cloud. This is a minor update with over 50 changes, including improved performance and compression when loading columnar data, expanded logical backup and restoration to more topologies, and AWS IaaS certifications for Db2 pureScale. All of these changes are driven by the 11.5.8 engine.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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