Application Delivery Controllers (ADC) - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts 2019 - 2029

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Report description:

The Application Delivery Controllers (ADC) Market was valued at USD 2.65 billion in the current year and is expected to register a CAGR of 9.63%, reaching USD 4.61 billion in five years. The market was experiencing significant growth due to the increasing demand for efficient and secure application delivery solutions.

Key Highlights
-Factors contributing to the ADC market's growth include the proliferation of web-based applications, the rise of cloud computing and virtualization, and the increasing need for businesses to deliver applications faster and securely to end-users.
-Application delivery controllers have gained significant traction in the past few years, primarily owing to the rising need for load balancing, improving performance, and handling much more advanced requirements associated with application delivery. These solutions provide availability, scalability, performance, security, automation, and control to keep the applications and servers running in their power band. These capabilities also aid organizations that want to or have already migrated to the cloud environments.
-The increasing frequency and sophistication of cyber attacks have driven the demand for application delivery controllers (ADCs) in recent years. ADCs play a crucial role in enhancing the security posture of applications and infrastructure, making them a vital component in defending against various cyber threats.
-The increasing need to scale out applications, which in various cases consists of solutions from different vendors along with the addition of new services to the network, can result in increased complexities and increased points of failure in the network. As a result, delivering these services to the consumers becomes more complex and can result in significant delays, leading to loss of revenue streams and lowered subscriber quality of experience.
-Additionally, with the COVID-19 pandemic, application visibility and management took on even more importance as remote workers quickly changed their working environments to maintain staff productivity from any place. This is expected to boost the

market for application delivery controllers over the forecast period.

Application Delivery Controllers (ADC) Market Trends

BFSI By End-user Vertical Segment is Expected to Hold Significant Market Share

- The demand for application delivery controllers in the BFSI sector gained traction owing to various reforms and developments. The growing technological penetration, combined with digital channels, such as Internet banking, mobile banking, etc., is becoming a preferred choice for banking services. There is a more significant requirement for banks to leverage advanced authentication and access control processes.
- The digital ecosystem surrounding a bank is increasing at a rapid pace. With the constant change in consumer demand, banks have been pressured to customize their product offerings according to their demands. Moreover, consumers embracing a mobile lifestyle and socializing on digital platforms expect banks to connect with them on the same platforms. This is increasing the demand for application delivery controllers in the BFSI sector.
- Further, with increased digital traffic toward net banking, online banking, and mobile banking, the BFSI sector also faces downtime due to maintenance work. This requires the banks to implement load balancing where the banks would have to support round-robin distribution that is shifting lead from server 1 to server 2, followed by server 3, and so on, which is now eliminated with ADC.
- The rising popularity of next-generation technologies and services, such as Big Data and analytics, requires the transformation of legacy networks. Software-defined networks offer greater flexibility, lower cost, and easier management for businesses of all sizes.
- According to Verizon, in 2022, there were 1,829 reported cyber incidents in the financial industry worldwide. The instances of data breaches across financial industries that have leaked millions of crucial data to hackers and the loss of millions of dollars for multiple companies have increased the focus on robust security across emerging economies. As businesses worldwide grow, threats like DDoS have exposed critical data to risk. This has encouraged organizations to deploy better solutions to safeguard their data within endpoints and networks against attacks.

Asia Pacific is Expected to Hold Significant Market Share

- Asia Pacific is expected to witness the highest growth rate over the forecast period. The rapid increase in cloud computing in this region is expected to be a significant driver for cloud-based application delivery controllers.
- Additionally, the region is expected to witness growth, owing to the investments of small and medium organizations. SMEs are investing in cost-effective cloud-based and technologically advanced solutions for cloud-based applications. Countries such as China and India provide significant growth opportunities in the region.
- Owing to technological advancements, there is an increase in the number of connected devices in the studied market. Moreover, Strong government backing and substantial private sector investment are behind the growth of China's cloud computing industry. Furthermore, 5G and 5 G-enabled devices will exponentially increase the devices' interconnectivity. As a result, it increases connected devices, thereby directly augmenting the need for controlling the data traffic and security of cloud-based applications.
- Additionally, the Digital India initiative aims to move legacy and on-premise systems to a cloud-based model or integrate with it, and the cloud platform is expected to host the delivery of e-services to citizens.
- In addition, the increasing internet users and data traffic in countries like China, India, and Indonesia further augment the growth of ADC solutions in the region. With the evolving digital era, market vendors offer more innovative network solutions and products for end users, ensuring they have the best technology experience and driving the market segment.

Application Delivery Controllers (ADC) Industry Overview

 The Application Delivery Controllers (ADC) Market is highly fragmented, with the presence of major players like F5 Networks Inc., Fortinet Inc., Juniper Networks Inc., A10 Networks Inc., and Array Networks Inc. Players in the market are adopting strategies such as partnerships and acquisitions to enhance their product offerings and gain sustainable competitive advantage.

 In September 2022, AppViewX, the leader in automated machine identity management (MIM) and application infrastructure security, announced that the company joined F5's Technology Alliance Program (TAP). Through the partnership, F5 and AppViewX will jointly promote enterprise application security and delivery solutions focused on managing applications and ensuring cybersecurity across on-premises, cloud, and edge locations.

Additional Benefits:

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

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