

Global CDN Security Market Size study & Forecast, by Type (DDoS Protection, Web Application Firewall, Bot Mitigation & Screen Scraping Protection, Data Security, DNS Protection), Organization Size, Vertical and Regional Forecasts 2025-2035

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Abstracts

The Global CDN Security Market is valued approximately at USD 13.76 billion in 2024 and is anticipated to grow with a growth rate of more than 31.60% over the forecast period 2025-2035. Content Delivery Network (CDN) security encompasses the suite of technologies and solutions deployed to safeguard distributed networks that deliver web content and applications to users globally. As cyber threats grow increasingly sophisticated and frequent, CDN security plays a pivotal role in ensuring uninterrupted service delivery, defending against malicious traffic, and protecting sensitive data. The proliferation of e-commerce, online media streaming, digital financial services, and cloud-hosted applications is further intensifying the reliance on robust CDN security frameworks.

The exponential surge in distributed denial-of-service (DDoS) attacks and application-layer exploits has compelled organizations of all sizes to fortify their CDN environments. Businesses are actively investing in advanced security architectures that can absorb high volumes of malicious traffic, detect anomalies in real time, and mitigate emerging threats without compromising performance. According to industry reports, nearly half of global enterprises experienced some form of bot-driven or DDoS-related disruption in the past two years. This heightened threat landscape, combined with stricter data privacy regulations and the growth of edge computing, has created fertile ground for CDN security adoption. However, implementation complexity and the high costs associated with scalable protection tools can pose barriers for smaller organizations, especially in emerging economies.

The detailed segments and sub-segments included in the report are:**By Type:**

DDOS Protection

Web Application Firewall

Bot Mitigation & Screen Scraping Protection

Data Security

DNS Protection

By Organization Size:

Large Enterprises

SMEs

By Vertical:

BFSI

IT & Telecom

Healthcare

E-commerce & Retail

Media & Entertainment

Others

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

UAE

Saudi Arabia

South Africa

Rest of Middle East & Africa

Large enterprises are expected to dominate the CDN Security Market throughout the forecast period. These organizations, with their global digital operations and high-value data assets, face relentless cyberattacks that demand enterprise-grade protection frameworks. Their deeper IT budgets enable them to adopt multi-layered security strategies that integrate DDoS defense, web application firewalls, and DNS protection at scale. SMEs, though increasingly adopting cloud-based CDN security solutions, still encounter resource limitations that slow widespread deployment, even though vendors are offering more affordable, managed solutions tailored to their needs.

When analyzing market contribution by type, DDoS protection currently leads as the primary revenue generator. The sheer frequency and magnitude of volumetric attacks targeting financial institutions, media platforms, and e-commerce enterprises make DDoS mitigation indispensable. Web application firewalls and bot mitigation solutions, however, are emerging as equally critical components, fueled by surging API traffic and bot-driven fraud attempts. While DDoS protection accounts for the bulk of current revenues, the fastest-growing adoption is projected in bot mitigation, driven by escalating automation-based attacks targeting sensitive customer-facing applications.

The key regions considered for the Global CDN Security Market study include Asia Pacific, North America, Europe, Latin America, and the Middle East & Africa. North America currently dominates the market due to its mature internet infrastructure, early adoption of CDN networks, and heightened cybersecurity awareness across sectors such as BFSI and e-commerce. Europe follows with strong growth driven by stringent

GDPR mandates and the expansion of cloud-based platforms. Asia Pacific is anticipated to be the fastest-growing market during the forecast period, propelled by rapid digitization in economies such as India and China, surging online commerce, and large-scale investments in 5G and edge computing. Latin America and the Middle East & Africa are gradually expanding their adoption, aided by government-backed digital initiatives and rising cross-border data traffic.

Major market players included in this report are:

Akamai Technologies Inc.

Cloudflare Inc.

Amazon Web Services Inc.

Microsoft Corporation

Google LLC

Imperva Inc.

Radware Ltd.

Fastly Inc.

StackPath LLC

Citrix Systems Inc.

Arbor Networks (NETSCOUT Systems)

F5 Inc.

Limelight Networks Inc.

Broadcom Inc.

Fortinet Inc.

Global CDN Security Market Report Scope:

Historical Data – 2023, 2024

Base Year for Estimation – 2024

Forecast period - 2025-2035

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent to up to 8 analysts' working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values for the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within the countries involved in the study. The report also provides detailed information about crucial aspects, such as driving factors and challenges, which will define the future growth of the market. Additionally, it incorporates potential opportunities in micro-markets for stakeholders to invest, along with a detailed analysis of the competitive landscape and product offerings of key players. The detailed segments and sub-segments of the market are explained below:

Key Takeaways:

Market Estimates & Forecast for 10 years from 2025 to 2035.

Annualized revenues and regional-level analysis for each market segment.

Detailed analysis of the geographical landscape with country-level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of the competitive structure of the market.

Demand side and supply side analysis of the market.

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