

# Cloud Data Security Market Size, Share & Trends Analysis Report By Component (Solution, Services), By Deployment (Public Cloud, Private Cloud), By Type, By Enterprise Size, By End Use, By Region, And Segment Forecasts, 2025 - 2030

<https://marketpublishers.com/r/C5318F30F094EN.html>

Date: February 2025

Pages: 150

Price: US\$ 4,950.00 (Single User License)

ID: C5318F30F094EN

## Abstracts

This report can be delivered to the clients within 2 Business Days

### Cloud Data Security Market Size & Trends

The global cloud data security market size was valued at USD 4.75 billion in 2024 and is projected to grow at a CAGR of 16.4% from 2025 to 2030. The growing frequency and sophistication of cyber threats are driving the growth of the cloud data security industry. Hackers are using increasingly advanced techniques such as ransomware, phishing, and malware attacks to exploit vulnerabilities in cloud infrastructures. Recent high-profile data breaches have highlighted the urgent need for encryption, identity access management (IAM), and real-time threat detection to prevent unauthorized access.

According to Cloud Security Alliance, encryption adoption remains low despite the crucial role of data security. Fewer than 10% of enterprises encrypt at least 80% of their cloud data, and using multiple key management systems adds further complexity to the security landscape. This slow adoption of encryption poses significant risks, especially as the volume of sensitive data in the cloud expands. As cybercriminals continue to evolve their attack strategies, businesses are investing in artificial intelligence (AI) driven security tools that can analyze data patterns, detect anomalies, and respond to threats in real time. This trend is expected to drive the demand for automated security solutions in cloud environments.

The expanding adoption of cloud-native applications and IoT (Internet of Things) devices is driving the need for enhanced cloud security measures. Organizations

leverage cloud computing for scalability and flexibility, but the proliferation of IoT-connected devices increases the risk of cyber threats. Cloud security solutions that offer real-time monitoring, advanced encryption, and secure API management are becoming essential in protecting data in transit and at rest. As businesses continue to deploy IoT-enabled solutions, the demand for cloud security tools with AI-driven threat detection and predictive analytics will surge.

In addition, the rise of remote work and digital transformation also significantly boost the cloud data security industry. With more employees accessing corporate networks remotely, organizations face greater risks of unauthorized access, data leaks, and insider threats. Companies are adopting zero-trust security frameworks, which require continuous authentication and verification of users, devices, and applications before granting access to cloud resources. In addition, the integration of secure access component edge (SASE) solutions, which combine network security functions with cloud-native capabilities, is helping businesses protect data in a highly distributed work environment. The demand for cloud security solutions with endpoint protection, secure VPNs, and multi-factor authentication (MFA) is expected to grow as remote work remains a long-term trend.

Furthermore, the rise of software-defined networking (SDN) and network function virtualization (NFV) also fuels the demand for advanced cloud security solutions. As enterprises transition from traditional hardware-based network infrastructure to software-defined and virtualized environments, the risk of cyber threats increases due to the dynamic nature of software-defined networks. Organizations are adopting cloud security solutions that provide real-time traffic analysis, automated security policy enforcement, and micro-segmentation to protect their cloud workloads. These technologies help reduce attack surfaces and prevent lateral movement of cyber threats within cloud environments, driving the demand for next-generation cloud security solutions.

#### Global Cloud Data Security Market Report Segmentation

This report forecasts revenue growth at global, regional, as well as at country levels and offers qualitative and quantitative analysis of the market trends for each of the segment and sub-segments from 2018 to 2030. For this study, Grand View Research has segmented the global cloud data security market report based on component, type, deployment, enterprise size, end use, and region.

#### Component Outlook (Revenue, USD Million, 2018 - 2030)

Solution

Services

Type Outlook (Revenue, USD Million, 2018 - 2030)

Fully Managed

Co-Managed

Deployment Outlook (Revenue, USD Million, 2018 - 2030)

Public

Private

Hybrid

Enterprise Size Outlook (Revenue, USD Million, 2018 - 2030)

Large Enterprises

SMEs

End Use Outlook (Revenue, USD Million, 2018 - 2030)

IT & Telecom

BFSI

Retail & E-commerce

Healthcare

Government

Transportation & Logistics

Manufacturing

Aerospace & Defense

Energy & Utilities

Others

Regional Outlook (Revenue, USD Million, 2018 - 2030)

North America

U.S.

Canada

Mexico

Europe

UK

Germany

France

Asia Pacific

China

India

Japan

Australia

South Korea

Latin America

Brazil

Middle East & Africa

UAE

Saudi Arabia

South Africa

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