

Global Cloud Storage Gateway Market Size, by Type (Virtual Cloud Storage Gateway Appliances, Physical Cloud Storage Gateway Appliances) and Regional Forecasts 2025-2035

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Abstracts

The Global Cloud Storage Gateway Market is valued approximately at USD 0.78 billion in 2024 and is anticipated to expand with an impressive CAGR of more than 31.50% during the forecast period 2025-2035, ultimately reaching USD 10.58 billion by 2035. Cloud Storage Gateway (CSG) technology serves as a critical enabler for enterprises, bridging the gap between on-premise infrastructure and cloud storage systems. These gateways translate cloud storage APIs into standard storage protocols, allowing seamless integration with existing enterprise storage environments. Their ability to deliver hybrid deployment models—combining speed, flexibility, and scalability—has placed them at the heart of enterprise digital transformation journeys. The market's expansion is predominantly fueled by the exponential growth of unstructured data, the surge in demand for disaster recovery solutions, and the shift toward cloud-first IT strategies across industries.

The growing adoption of digital services and connected devices worldwide has driven organizations to scale their storage capacities beyond traditional methods. Consequently, enterprises are increasingly turning to cloud storage gateways to optimize data accessibility while maintaining cost efficiency. Cloud-based disaster recovery and backup services have also intensified demand, as companies seek to safeguard mission-critical data from potential cyber threats and system failures. According to IDC, the total volume of digital data created globally surpassed 120 zettabytes in 2023 and is expected to nearly double by 2027, underscoring the urgency for robust and scalable cloud storage solutions. Moreover, the evolution of edge computing and integration of artificial intelligence (AI) for data lifecycle management

provide compelling growth opportunities for the CSG market. However, concerns regarding data privacy, compliance regulations, and latency in certain applications remain challenges that could hamper growth.

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

By Type:

Virtual Cloud Storage Gateway Appliances

Physical Cloud Storage Gateway Appliances

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

Virtual Cloud Storage Gateway Appliances are expected to dominate the market during the forecast period. Enterprises increasingly prefer virtual deployments due to their flexibility, scalability, and cost-efficiency compared to physical appliances. The growing trend of adopting multi-cloud strategies further amplifies demand for virtual solutions, as they allow businesses to seamlessly bridge workloads across private and public cloud platforms without heavy hardware investments. In addition, the pay-as-you-go pricing model of virtual gateways aligns with evolving IT budgets and operational efficiency goals, thereby strengthening their adoption.

On the other hand, Physical Cloud Storage Gateway Appliances continue to hold a significant share in revenue contribution. These appliances are particularly indispensable for organizations managing latency-sensitive operations, legacy systems, or high-security workloads. Industries such as banking, defense, and healthcare rely heavily on physical gateways to ensure localized control and compliance while still benefiting from cloud-based scalability. Although virtual gateways dominate adoption in terms of volume, physical appliances are projected to remain highly relevant, especially for enterprises navigating stringent data governance frameworks and hybrid storage architectures.

The key regions considered for the Global Cloud Storage Gateway Market study include North America, Europe, Asia Pacific, Latin America, and the Middle East & Africa. North America currently dominates the global landscape, driven by advanced IT infrastructure, widespread enterprise cloud adoption, and the presence of leading service providers. The U.S., in particular, has fostered innovation through heavy investment in cloud-native technologies and robust regulatory frameworks supporting data protection. Meanwhile, Asia Pacific is poised to be the fastest-growing region throughout 2025-2035, owing to the rapid digital transformation of emerging economies like China and India. The region's surging e-commerce activities, expanding SME sector, and supportive government initiatives in cloud adoption further bolster demand. Europe, too, plays a crucial role, driven by strict GDPR compliance requirements that compel enterprises to invest in secure storage gateways for data residency and protection.

Major market players included in this report are:

Microsoft Corporation

Dell Technologies Inc.

Amazon Web Services Inc. (AWS)

IBM Corporation

Hewlett Packard Enterprise Development LP

Oracle Corporation

NetApp Inc.

Huawei Technologies Co., Ltd.

Google LLC (Alphabet Inc.)

Hitachi Vantara LLC

Citrix Systems, Inc.

Veritas Technologies LLC

Pure Storage Inc.

Fujitsu Limited

Rackspace Technology, Inc.

Global Cloud Storage Gateway 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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