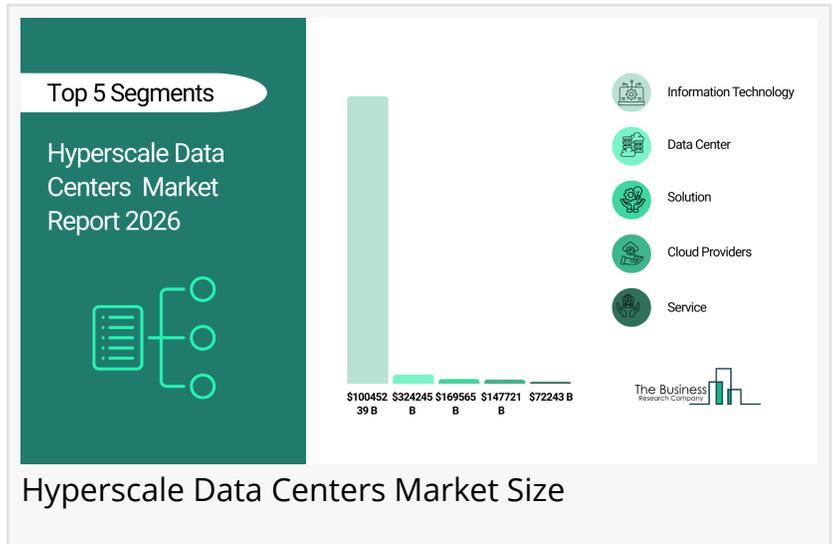# Hyperscale Data Centers Market 2026 Explosive Data Demand Fueling Infrastructure Expansion

The Business Research Company's Hyperscale Data Centers Global Market Report 2026 - Market Size, Trends, And Global Forecast 2026-2035

LONDON, GREATER LONDON, UNITED KINGDOM, March 18, 2026 /EINPresswire.com/ -- Hyperscale Data Centers market to Surpass $579 billion in 2030. Within the broader Information Technology industry, which is expected to be $13,788 billion by 2030, the Hyperscale Data Centers market is estimated to account for nearly 4% of the total market value.

Top 5 Segments

Hyperscale Data Centers Market Report 2026

$100452 39 B $324245 B $169565 B $147721 B $72243 B

- Information Technology
- Data Center
- Solution
- Cloud Providers
- Service

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Hyperscale Data Centers Market Size

Which Will Be the Biggest Region in the Hyperscale Data Centers Market in 2030

North America will be the largest region in the hyperscale data centers market in 2030, valued at $246,286 million. The market is expected to grow from $87,322 million in 2025 at a compound annual growth rate (CAGR) of 23%. The rapid growth in the forecast period can be attributed to the increasing adoption of artificial intelligence (AI) and generative AI workloads and government-led digital infrastructure development programs.

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>
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Which Will Be The Largest Country In The Hyperscale Data Centers Market In 2030?

The USA will be the largest country in the hyperscale data centers market in 2030, valued at $230,114 million. The market is expected to grow from $81,626 million in 2025 at a compound annual growth rate (CAGR) of 23%. The rapid growth in the forecast period can be attributed to the government-led digital infrastructure development programs and increasing adoption of artificial intelligence (AI) and generative AI workloads.

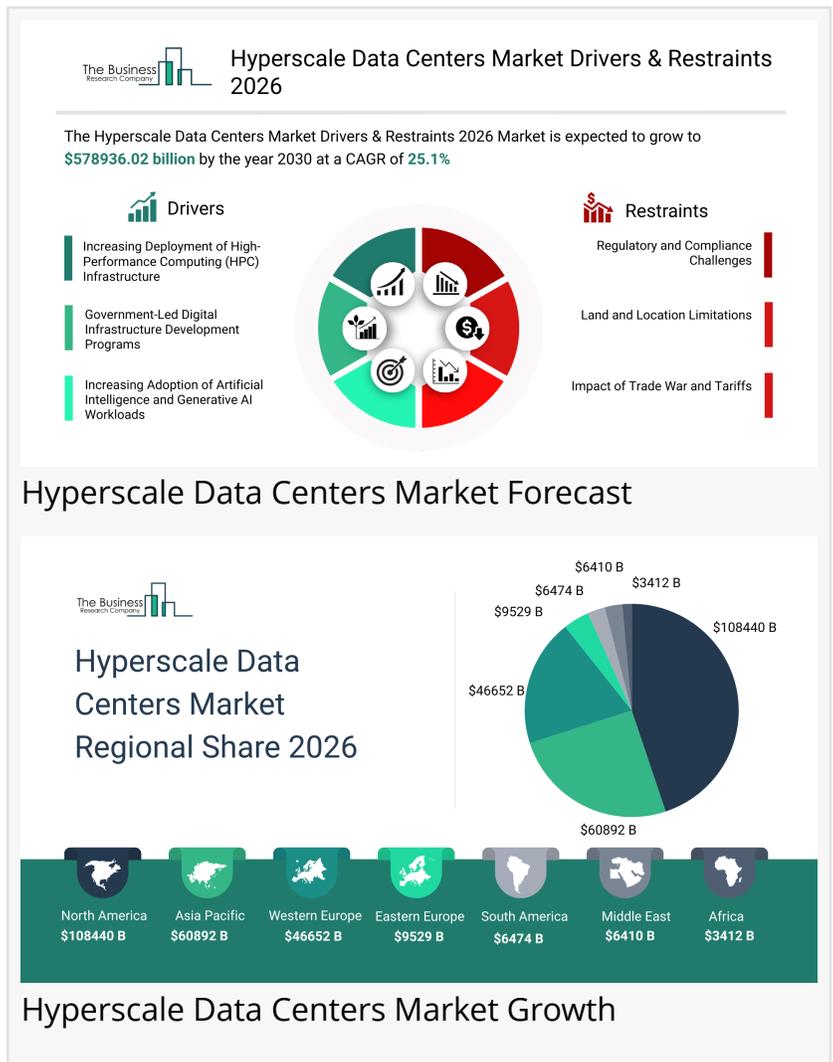Request a free sample of the Hyperscale Data Centers Market report:

https://www.thebusinessresearchcompany.com/sample_request?id=2498&type=smp&utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Mar_PR

What will be Largest Segment in the Hyperscale Data Centers Market in 2030?

The hyperscale data centers market is by type into cloud providers, colocation providers and enterprises. The cloud providers market will be the largest segment of the hyperscale data centers market segmented by type, accounting for 59% or $341,545 million of the total in 2030. The cloud providers market will be supported by rapid adoption of scalable cloud computing services requiring massive compute and storage capacity, ongoing investment by major public cloud operators to expand global infrastructure footprint, increasing demand for AI, machine learning and big data workloads driving larger hyperscale campuses, need for low-latency acceleration with edge and hybrid cloud services and continuous innovation in automation and power-efficient systems to reduce operating costs.

The hyperscale data centers market is by component into solution and service. The solution market will be the largest segment of the hyperscale data centers market segmented by component, accounting for 69% or $399,553 million of the total in 2030. The solution market will be supported by rising demand for scalable, high performance computing hardware like servers and storage systems, growth in networking and software stacks designed for high throughput, need for energy efficient power and cooling solutions, innovation in modular and dense infrastructure designs to optimize footprint and investment in next generation equipment that supports AI, virtualization and SDN capabilities.

The hyperscale data centers market is by application into government utilities, BFSI, IT and telecommunication, retail and e-commerce, healthcare and other applications. The IT and telecommunication market will be the largest segment of the hyperscale data centers market segmented by application, accounting for 32% or $187,119 million of the total in 2030. The IT

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Hyperscale Data Centers Market Drivers & Restraints 2026

The Hyperscale Data Centers Market Drivers & Restraints 2026 Market is expected to grow to **$578936.02 billion** by the year 2030 at a CAGR of **25.1%**

Drivers
- Increasing Deployment of High-Performance Computing (HPC) Infrastructure
- Government-Led Digital Infrastructure Development Programs
- Increasing Adoption of Artificial Intelligence and Generative AI Workloads

Restraints
- Regulatory and Compliance Challenges
- Land and Location Limitations
- Impact of Trade War and Tariffs

Hyperscale Data Centers Market Forecast

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Hyperscale Data Centers Market Regional Share 2026

$6410 B
$3412 B
$6474 B
$9529 B
$46652 B
$108440 B
$60892 B

Region	Value
North America	$108440 B
Asia Pacific	$60892 B
Western Europe	$46652 B
Eastern Europe	$9529 B
South America	$6474 B
Middle East	$6410 B
Africa	$3412 B

Hyperscale Data Centers Market Growth

and telecommunication market will be supported by exponential growth in data consumption from digital services and mobile internet usage, rapid deployment of 5G networks requiring ultra-low latency and massive bandwidth, cloud-native application development demanding high-performance computing infrastructure, increasing requirements for edge computing to serve real-time connectivity needs, partnerships between hyperscale operators and telecom firms for integrated network solutions, expansion of software-defined networking (SDN) and network function virtualization (NFV) to enhance service agility and demand for scalable, secure infrastructure to support IoT and remote collaboration applications.

What is the expected CAGR for the Hyperscale Data Centers Market leading up to 2030?
The expected CAGR for the hyperscale data centers market leading up to 2030 is 25%.

What Will Be The Growth Driving Factors In The Hyperscale Data Centers Market In The Forecast Period?
The rapid growth of the global hyperscale data centers market leading up to 2030 will be driven by the following key factors that are expected to reshape expansion of industrial automation and infrastructure, digital infrastructure and IT ecosystems worldwide.

Increasing Deployment Of High-Performance Computing (HPC) Infrastructure - The growth in high-performance computing (HPC) infrastructure will become a [key driver of growth in the hyperscale data centers market by 2030](#). As compute-intensive workloads expand across research and advanced digital services, demand is projected to rise for large, power-dense hyperscale facilities that can host high-performance clusters with high-throughput networking and resilient cooling. A growing HPC footprint increases the need for new hyperscale campuses and expansion phases designed around high-density compute halls and scalable utility infrastructure. As a result, hyperscale operators are increasingly prioritizing high-density readiness, modular scaling plans, and accelerated commissioning to support rising HPC-class capacity requirements. As a result, the growth in high-performance computing (HPC) infrastructure is anticipated to contributing to a 2.0% annual growth in the market.

Government-Led Digital Infrastructure Development Programs - The government-led digital infrastructure development programs will emerge as a major factor driving the hyperscale data centers market by 2030. As governments promote strategic digital infrastructure buildouts under structured capacity, sustainability, and economic criteria, hyperscale deployments are projected to expand in regulated hubs where large-scale compute is treated as national infrastructure. A policy-driven infrastructure base increases the pace of hyperscale capacity releases, incentivizing operators to design for measurable energy performance, grid integration, and scalable site execution. As a result, hyperscale developers are strengthening permitting readiness, green energy pathways, and compliance-led design to align with government-driven infrastructure programs. Consequently, the government-led digital infrastructure development programs is projected to contributing to a 1.5% annual growth in the market.

Increasing Adoption Of Artificial Intelligence And Generative AI Workloads - The increasing

adoption of artificial intelligence and generative AI workloads as a major factor driving the expansion of the hyperscale data centers market by 2030. As enterprises and platforms scale model training and inference deployments, demand is projected to increase for hyperscale facilities that can deliver high-density compute, accelerated interconnect, and resilient power-and-cooling architectures optimized for AI workloads. A growing AI workload base increases the frequency of hyperscale campus expansions, capacity reservations, and new region rollouts to ensure performance, uptime, and scaling economics. As a result, hyperscale operators are increasingly expanding GPU/accelerator-ready capacity, upgrading thermal management, and hardening operational resiliency to sustain long-term AI-driven growth. Therefore, increasing adoption of artificial intelligence and generative AI workloads is projected to contributing to a 1.3% annual growth in the market.

Growing Focus On Software Security And Compliance - the growing focus on software security and compliance will emerge as a major factor driving the hyperscale data centers market by 2030. As hyperscale operators are increasingly treated as critical digital infrastructure, stronger cyber-resilience expectations are projected to push faster adoption of standardized security controls, audit-ready processes, and continuous monitoring across multi-site environments. A tighter compliance posture increases demand for hyperscale platforms that can demonstrate consistent governance, incident readiness, and verifiable operational controls to enterprise and regulated-industry customers. As a result, hyperscale developers are expected to expand security-by-design architecture, compliance engineering, and control assurance capabilities to sustain long-term growth in the hyperscale data centers market. Consequently, the growing focus on software security and compliance is projected to contributing to a 0.8% annual growth in the market.

Access the Detailed Hyperscale Data Centers Market report here:
https://www.thebusinessresearchcompany.com/report/hyperscale-data-centres-global-market-report?utm_source=EINPresswire&utm_medium=Paid&utm_campaign=Mar_PR

What Are The Key Growth Opportunities In The Hyperscale Data Centers Market in 2030?
The most significant growth opportunities are anticipated in the hyperscale data centers cloud providers market, the hyperscale data centers solution market and the hyperscale data centers in IT and telecommunication market. Collectively, these segments are projected to contribute over $618 billion in market value by 2030, driven by driven by the exponential growth in data generation, the widespread adoption of cloud computing and IoT technologies, and the increasing demand for high-bandwidth, low-latency infrastructure to support AI, machine learning, and 5G networks. This surge reflects the accelerating shift toward scalable, energy-efficient data center architectures that enable seamless digital transformation, fueling transformative growth within the broader hyperscale data center industry.

The hyperscale data centers solution market is projected to grow by $264,086 million, the hyperscale data centers cloud providers market by $223,016 million, the hyperscale data centers in IT and telecommunication market by $131,049 million over the next five years from 2025 to

2030.

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