

# High-Performance Computing - Global Market Outlook (2017-2026)

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## Abstracts

According to Statistics MRC, the Global High-Performance Computing market is accounted for \$32.49 billion in 2017 and is expected to reach \$66.04billion by 2026 growing at a CAGR of 8.2%. Improved performance efficiency and smarter deployment & management with high quality of service and faster computing capabilities of micro servers or high-performance computing systems are expected to boost this market's growth. However, a cost for setting up an HPC and maintaining it is high and software hurdles continue to grow are restricting the market growth. In addition, Advent of Exascale Computing to Maximize the Benefits of HPC and The importance of storage & data management are providing ample opportunities.

High-Performance Computing is a practice to aggregate computing power that delivers high-performance capabilities in handling large number problems in science, business or engineering fields. HPC systems involve all types of servers and micro servers that are being used for highly computational or data-intensive tasks.

Amongst type, the cloud deployment type helps minimize an organization's operational costs by eliminating the need to buy an additional computing resource. Moreover, the cloud comes with cost benefits, which has enabled small enterprises to take advantage of its benefits. By geography, North America dominated the global market due to technology-based solutions. It is also expected to be a strong player in the global economy, especially, in the development and implementation of new technologies. This implementation of new technologies is driven by the huge increase in raw data, and the need for security, thus, leading to the deployment of HPC systems.

Some of the key players in the High-Performance Computing market include are IBM, Dell, Intel, Microsoft Corporation, Hewlett Packard Enterprise (HPE), Lenovo, Cisco

Systems, Cray, Atos, Fujitsu, NVIDIA, Advanced Micro Devices Inc, NEC Corporation, Sugon Information Industry Co. Ltd, and Amazon Web Services.

Types Covered:

Cloud

On-Premises

Server Price Bands Covered:

USD 250,000–500,000 and Above

USD 250,000–100,000 and Below

Components Covered:

Services

Solutions

Professional Services

Organization Sizes Covered:

Large Enterprises

Small and Medium-Sized Enterprises

Applications Covered:

High-Performance Business Computing

High-Performance Technical Computing

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

## South America

Argentina

Brazil

Chile

Rest of South America

## Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

### What our report offers:

Market share assessments for the regional and country level segments

Strategic recommendations for the new entrants

Market forecasts for a minimum of 9 years of all the mentioned segments, sub segments and the regional markets

Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)

Strategic analysis: Drivers and Constraints, Product/Technology Analysis, Porter's five forces analysis, SWOT analysis etc.

Strategic recommendations in key business segments based on the market estimations

Competitive landscaping mapping the key common trends

Company profiling with detailed strategies, financials, and recent developments

Supply chain trends mapping the latest technological advancements

#### Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

##### Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

##### Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the clients interest (Note: Depends of feasibility check)

##### Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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NOTE: Tables for North America, Europe, Asia Pacific, South America, and Middle East & Africa are represented in the above manner.

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