

# Global High Performance Computing Cluster (HPCC) Market Growth (Status and Outlook) 2024-2030

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## Abstracts

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High performance computing cluster is defined as an addition of processes for delivering higher and efficient performance as compared to Others desktop workstation or computer. It helps the companies to solve problems related to engineering, business, or science. Cluster computing help to solve problems of recurring and complex operations as individual nodes work together and hence can solve problem more efficiently than one computer.

The global High Performance Computing Cluster (HPCC) market size is projected to grow from US\$ million in 2023 to US\$ million in 2030; it is expected to grow at a CAGR of % from 2024 to 2030.

LPI (LP Information)' newest research report, the “High Performance Computing Cluster (HPCC) Industry Forecast” looks at past sales and reviews total world High Performance Computing Cluster (HPCC) sales in 2023, providing a comprehensive analysis by region and market sector of projected High Performance Computing Cluster (HPCC) sales for 2024 through 2030. With High Performance Computing Cluster (HPCC) sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world High Performance Computing Cluster (HPCC) industry.

This Insight Report provides a comprehensive analysis of the global High Performance Computing Cluster (HPCC) landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with

a focus on High Performance Computing Cluster (HPCC) portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global High Performance Computing Cluster (HPCC) market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for High Performance Computing Cluster (HPCC) and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global High Performance Computing Cluster (HPCC).

North America is dominating the market of high performance computing cluster due to the presence of the global players in this region as well as high technological advancement. North America is expected to dominate the market throughout the forecast period whereas Asia-Pacific has emerged as fastest growing market and expected to be the second biggest market by the end of forecast period. Currently Europe holds second position in the market but expected to be dominated by Asia-Pacific by the end of forecast period.

This report presents a comprehensive overview, market shares, and growth opportunities of High Performance Computing Cluster (HPCC) market by product type, application, key players and key regions and countries.

#### Segmentation by type

On-premises

Cloud-based

#### Segmentation by application

Life Science

Industrial Manufacturing

Banking

Defense

Gaming Industry

Retail

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analyzing the company's coverage, product portfolio, its market penetration.

IBM

PSSC Labs

Silicon Graphics International (SGI)

Intel

Dell

Hewlett Packard

Amazon Web Services

Bright Computing

Google

Microsoft

Advanced Micro Devices

Cisco Systems

TotalCAE

Cray

Cepoint Networks

Lenovo

Penguin Computing

Nor-Tech

RackMountPro

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