High Performance Computing Market by Components Type (Servers, Storage, Networking Devices, & Software), Services, Deployment Type, Server Price Band, Vertical, & Region - Global Forecast to 2020

Description: “Higher computational power drives the High Performance Computing (HPC) market”
The HPC market is expected to grow at a CAGR of 5.45% during 2015-2020. The emergence of big data has increased the demand for systems that can handle data intensive workload. HPC clusters are systems that can easily handle vast amount of data and extensively support high performance data analysis. The improved data collection technology provides lively images for simulations, medical, life science, video rendering, and such other applications. All these applications require higher processing power and speed for data analysis and results. Better scans, HDTV, multi-layer scans, and enhanced information gathering abilities all adds to the requirement of more CPUs and quicker storage solutions that is delivered through HPC and helps in driving the market.

“The market in Asia-Pacific (APAC) is expected to witness the highest market growth”
The market in APAC is in the growth phase and is the fastest-growing region for the global HPC market. This is mainly attributed to the growing focus of the market players to address the demands of higher processing power with reliable and quicker response time. On the other hand, Middle East and Africa (MEA) is aiming toward the growth phase while Latin America is still in the introductory phase in terms of adoption of HPC solutions.

“HPC servers to gain maximum market share during the forecast period”
HPC servers market is estimated to contribute the largest market share in terms of components type. Storage, networking devices, and software solutions are also seen with higher prospects in coming years. Moreover, the services market is estimated to have great opportunities and projected to grow at a high CAGR in the next five years.

Breakdown of primary research interactions:
To determine and verify the market size for several segments and sub-segments gathered through secondary research, extensive primary interviews were conducted with key people and below are the details:
- By Company Type - Tier 1 (23%), Tier 2 (35%) and Tier 3 (42%)
- By Designation - C-level (30%), Director level (55%) and other executives (15%)
- By Region - North America (65%), Europe (20%), and APAC (15%),

Prominent vendors in the HPC space include AMD, Cray, Cisco Systems, Intel Corporation, SGI, HP, Dell, IBM, Atos SE, and Fujitsu among various others. With the rapid development of new technologies, the new vendors are emerging in the market, especially in the area of cloud computing. Also, the vendors are focusing on providing the HPC solutions converged with big data technologies. This latest trend is gaining significant traction and is growing steadily.

Reasons to Buy the Report:

From an insight perspective, this research report has focus on various levels of analysis—industry analysis, analysis of top players, their offered products and services, supply chain analysis, and company profiles, which together comprise and discuss the basic views on the competitive landscape, emerging and high-growth segments of the HPC market, high-growth regions, drivers, restraints, and opportunities.

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which, in turn, will help the firms in garnering a larger market share. Firms purchasing the report could use any one or combination of the below mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) to strengthen their market shares.

The report provides insights on the following pointers:
1. Market Penetration: Comprehensive information on products and solutions offered by the top 10 players in the HPC market

2. Product Development/Innovation: Detailed insights on upcoming technologies, research and development (R&D) activities, and new product launches in the HPC market

3. Market Development: Comprehensive information about lucrative emerging markets. The report analyses the markets for HPC across various regions

4. Market Diversification: Exhaustive information about new products, untapped regions, recent developments, and investments in the HPC market

5. Competitive Assessment: In-depth assessment of market shares, strategies, products, and capabilities of the leading players in the HPC market.

Contents:

1 Introduction
   1.1 Objectives of the Study
   1.2 Market Definition
   1.3 Market Scope
   1.3.1 Market Covered
   1.3.2 Years Considered in the Report
   1.4 Currency
   1.5 Limitations
   1.6 Stakeholders

2 Research Methodology
   2.1 Research Data
   2.1.1 Secondary Data
   2.1.1.1 Key Data From Secondary Sources
   2.1.2 Primary Data
   2.1.2.1 Key Data From Primary Sources
   2.1.2.2 Key Industry Insights
   2.1.2.3 Breakdown of Primaries
   2.2 Market Size Estimation
   2.2.1 Bottom-Up Approach
   2.2.2 Top-Down Approach
   2.3 Market Breakdown and Data Triangulation
   2.4 Research Assumptions

3 Executive Summary

4 Premium Insights
   4.1 attractive Market Opportunities in the Hpc Market
   4.2 High Performance Computing Marke, By Components Type
   4.3 High Performance Computing: Market Share of Top Three Components and Regions
   4.4 High Performance Computing Size: By Regions
   4.5 Lifecycle Analysis, By Region

5 Market Overview
   5.1 Introduction
   5.2 Market Segmentation
   5.2.1 By Components Type
   5.2.2 By Service
   5.2.3 By Deployment Type
   5.2.4 By Server Price Band
   5.2.5 By Vertical
   5.2.6 By Region
   5.3 Evolution
   5.4 Market Dynamics
   5.4.1 Drivers
   5.4.1.1 Need for Scalability of Applications
   5.4.1.2 Need for Improved Management and Business Operations
5.4.1.3 Higher Processing Power and Faster Storage Solutions
5.4.2 Restraints
5.4.2.1 High Investment Costs
5.4.3 Opportunities
5.4.3.1 New Era of Exascale Computing
5.4.3.2 High Performance Computing Deployment Models
5.4.4 Challenges
5.4.4.1 Lack of Security
5.4.4.2 Stringent and Time-Consuming Regulatory Policies

6 Industry Trends
6.1 Introduction
6.2 Value Chain Analysis
6.3 Strategic Overview
6.3.1 Innovation and Product Enhancements
6.3.2 Collaborations, Partnerships, and Acquisitions
6.4 Regulations and Standards
6.4.1 Introduction
6.4.2 Infrastructure Standards and Guidelines for HPC
6.4.2.1 European Technology Platform for High Performance Computing (ETP4HPC)
6.4.2.2 the High-Performance Computing Act of 1991

7 High Performance Computing Market Analysis, By Components Type
7.1 Introduction
7.2 Servers
7.3 Storage
7.4 Networking Devices
7.5 Software

8 High Performance Computing Market Analysis, By Service
8.1 Introduction
8.2 Design and Consulting
8.3 Integration and Deployment
8.4 Training and Outsourcing

9 High Performance Computing Market Analysis, By Deployment Type
9.1 Introduction
9.2 On-Premise
9.3 Cloud

10 High Performance Computing Market Analysis, By Server Price Band
10.1 Introduction
10.2 USD 250,000-500,000 and Above
10.3 USD 249,999-100,000 and Below

11 High Performance Computing Market Analysis, By Vertical
11.1 Introduction
11.2 Industrial Manufacturing
11.3 Life Science
11.4 Energy
11.5 Chemical
11.6 Government and Defense
11.7 Academic Institutions
11.8 Banking, Financial Services, and Insurance (BFSI)
11.9 Media
11.10 Gaming
11.11 Transportation and Logistics
11.12 Retail
11.13 Earth Science
11.14 Others

12 Geographic Analysis
12.1 Introduction
12.2 North America
12.3 Europe
12.4 Asia-Pacific
12.5 Middle East and Africa
12.6 Latin America

13 Competitive Landscape
13.1 Overview
13.2 Competitive Situations and Trends
13.3 New Product/Technology Launches
13.4 Agreements, Partnerships, Collaborations, and Joint Ventures
13.5 Expansions
13.6 Mergers and Acquisitions

14 Company Profiles
14.1 Introduction
   (Business Overview, Products & Services, Key Insights, Recent Developments, Swot Analysis, MnM View)*
14.2 Advanced Micro Devices, Inc. (Amd)
14.3 Cray, Inc.
14.4 Cisco Systems, Inc.
14.5 Intel Corporation
14.6 Silicon Graphics International Corporation (Sgi).
14.7 Hewlett Packard, Inc. (Hp)
14.8 Dell, Inc.
14.9 International Business Machine Corporation (Ibm)
14.10 atos Se
14.11 Fujitsu Limited
*Details On Business Overview, Products & Services, Key Insights, Recent Developments, Swot Analysis, MnM View Might Not Be Captured in Case of Unlisted Companies.

15 Appendix
15.1 Insight of Industry Experts
15.2 More Developments
15.2.1 New Product Launches
15.2.2 Agreements, Partnerships, Collaborations, and Joint Ventures
15.3 Discussion Guide
15.4 Introducing Rt: Real-Time Market Intelligence
15.5 Available Customizations
15.6 Related Reports

List of Tables:
Table 1 High Performance Computing Market: Assumptions
Table 2 High Performance Computing Market Size and Growth Rate, 2013-2020 (Usd Billion, Y-O-Y %)
Table 3 High Performance Computing Market Size, By Components Type, 2013-2020 (Usd Billion)
Table 4 Servers: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 5 Storage: High Performance Computing Market Size, By Type, 2013-2020 (Usd Billion)
Table 6 Networking Devices: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 7 Software: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 8 High Performance Computing Market Size, By Service, 2013-2020 (Usd Billion)
Table 9 Design and Consulting: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 10 Integration and Deployment: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 11 Training and Outsourcing: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 12 High Performance Computing Market Size, By Deployment Type, 2013-2020 (Usd Billion)
Table 13 On-Premise: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 14 Cloud: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 15 High Performance Computing Market Size, By Server Price Bands, 2013-2020 (Usd Billion)
Table 16 Server Price Bands: Usd 250,000-500,000 and Above, High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 17 Server Price Bands: Usd 100,000-249,999 and Below, High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 18 High Performance Computing Market Size, By Vertical, 2013-2020 (Usd Billion)
Table 19 Industrial Manufacturing: High Performance Computing Market By Region, 2013-2020 (Usd Billion)
Table 20 Life Science: High Performance Computing Market Size By Region, 2013-2020 (Usd Billion)
Table 21 Energy: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 22 Chemical: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 23 Government and Defense: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 24 Academic Institutions: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 25 BFSI: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 26 Media: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 27 Gaming: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 28 Transportation and Logistics: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 29 Retail: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 30 Earth Science: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 31 Others: High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 32 High Performance Computing Market Size, By Region, 2013-2020 (Usd Billion)
Table 33 North America: High Performance Computing Market Size, 2013-2020 (Usd Billion)
Table 34 North America: High Performance Computing Market Size, By Components Type, 2013-2020 (Usd Billion)
Table 35 North America: High Performance Computing Market Size, By Service, 2013-2020 (Usd Billion)
Table 36 North America: High Performance Computing Market Size, By Deployment Type, 2013-2020 (Usd Billion)
Table 37 North America: High Performance Computing Market Size, By Price Band, 2013-2020 (Usd Billion)
Table 38 North America: High Performance Computing Market Size, By Vertical, 2013-2020 (Usd Billion)
Table 39 Europe: High Performance Computing Market Size, 2013-2020 (Usd Billion)
Table 40 Europe: High Performance Computing Market Size, By Components Type, 2013-2020 (Usd Billion)
Table 41 Europe: High Performance Computing Market Size, By Service, 2013-2020 (Usd Billion)
Table 42 Europe: High Performance Computing Market Size, By Deployment Type, 2013-2020 (Usd Billion)
Table 43 Europe: High Performance Computing Market Size, By Price Band, 2013-2020 (Usd Billion)
Table 44 Europe: High Performance Computing Market Size, By Vertical, 2013-2020 (Usd Billion)
Table 45 Asia-Pacific: High Performance Computing Market Size, 2013-2020 (Usd Billion)
Table 46 Asia-Pacific: High Performance Computing Market Size, By Components Type, 2013-2020 (Usd Billion)
Table 47 Asia-Pacific: High Performance Computing Market Size, By Service, 2013-2020 (Usd Billion)
Table 48 Asia-Pacific: High Performance Computing Market Size, By Deployment Type, 2013-2020 (Usd Billion)
Table 49 Asia-Pacific: High Performance Computing Market Size, By Price Band, 2013-2020 (Usd Billion)
Table 50 Asia-Pacific: High Performance Computing Market Size, By Vertical, 2013-2020 (Usd Billion)
Table 51 Middle East and Africa: High Performance Computing Market Size, 2013-2020 (Usd Billion)
Table 52 Middle East and Africa: High Performance Computing Market Size, By Components Type, 2013-2020 (Usd Billion)
Table 53 Middle East and Africa: High Performance Computing Market Size, By Service, 2013-2020 (Usd Billion)
Table 54 Middle East and Africa: High Performance Computing Market Size, By Deployment Type, 2013-2020 (Usd Billion)
Table 55 Middle East and Africa: High Performance Computing Market Size, By Price Band, 2013-2020 (Usd Billion)
Table 56 Middle East and Africa: High Performance Computing Market Size, By Vertical, 2013-2020 (Usd Billion)
Table 57 Latin America: High Performance Computing Market Size, 2013-2020 (Usd Billion)
Table 58 Latin America: High Performance Computing Market Size, By Components Type, 2013-2020 (Usd Billion)
Table 59 Latin America: High Performance Computing Market Size, By Service, 2013-2020 (Usd Billion)
Table 60 Latin America: High Performance Computing Market Size, By Deployment Type, 2013-2020 (Usd Billion)
Table 61 Latin America: High Performance Computing Market Size, By Price Band, 2013-2020 (Usd Billion)
Table 62 Latin America: High Performance Computing Market Size, By Vertical, 2013-2020 (Usd Billion)
Table 63 New Product/Technology Launches
Table 64 Agreements, Partnerships, Collaborations, and Joint Ventures
Table 65 Expansions
Table 66 Mergers and Acquisitions
List of Figures:
Figure 1 Research Design
Figure 2 Breakdown of Primary Interviews: By Company, Designation, and Region
Figure 3 Market Size Estimation Methodology: Bottom-Up Approach
Figure 4 Market Size Estimation Methodology: Top-Down Approach
Figure 5 Data Triangulation
Figure 6 HPC Components Market is Expected to Hold the Largest Market Size Throughout the Forecast Period
Figure 7 Top Segments in Terms of Market Share in the HPC Market
Figure 8 North America is Expected to Hold the Largest Market Share in 2015
Figure 9 Growth Trend of the HPC Market
Figure 10 Servers is Expected to Hold the Largest Market Size in the High Performance Computing Market During the Forecast Period
Figure 11 High Performance Computing Market: Market Share of Top Three Components and Regions
Figure 12 Asia-Pacific is Expected to Register the Highest CAGR in the High Performance Computing Market
Figure 13 Geographic Lifecycle Analysis (2015): Asia-Pacific is Expected to Have High Growth in the Coming Years
Figure 14 High Performance Computing Market, By Components Type
Figure 15 High Performance Computing Market, By Service
Figure 16 High Performance Computing Market, By Deployment Type
Figure 17 High Performance Computing Market, By Server Price Band
Figure 18 High Performance Computing Market, By Vertical
Figure 19 High Performance Computing Market, By Region
Figure 20 Evolution of High Performance Computing
Figure 21 High Performance Computing: Drivers, Restraints, Opportunities, and Challenges
Figure 22 High Performance Computing Market: Value Chain Analysis
Figure 23 Strategic Benchmarking: Innovations and Product Enhancements
Figure 24 Strategic Benchmarking: Collaborations, Partnerships, and Acquisitions
Figure 25 Geographic Snapshot (2015-2020): Asia-Pacific is Expected to Grow at the Highest CAGR
Figure 26 North America: Market Snapshot
Figure 27 Asia-Pacific: Market Snapshot
Figure 28 Companies Adopted New Product Launch and New Version Release as the Key Growth Strategies
Figure 29 Product Portfolio Comparison of the Top 5 Companies
Figure 30 Geographic Revenues of Top 5 Market Players
Figure 31 Advanced Micro Devices, Inc.: Company Snapshot
Figure 32 Advanced Micro Devices, Inc.: Swot Analysis
Figure 33 Cray, Inc.: Company Snapshot
Figure 34 Cray, Inc.: Swot Analysis
Figure 35 Cisco Systems, Inc.: Company Snapshot
Figure 36 Cisco Systems, Inc.: Swot Analysis
Figure 37 Intel Corporation: Company Snapshot
Figure 38 Intel Corporation: Swot Analysis
Figure 39 Silicon Graphics International Corporation (Sgi): Company Snapshot
Figure 40 Silicon Graphics International Corporation (Sgi): Swot Analysis
Figure 41 Hewlett Packard, Inc. (Hp): Company Snapshot
Figure 42 International Business Machine Corporation (Ibm): Company Snapshot
Figure 43 atos Se: Company Snapshot
Figure 44 Fujitsu Limited: Company Snapshot

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