

High Performance Computing Market : Expeditious Growth Expected In Coming Years

HPC solutions are increasingly finding application in BFSI owing to the growing demand for high-frequency transactions and increasing government regulations.

PORLAND, PORTLAND, OR, UNITED STATE, November 16, 2021 /EINPresswire.com/ -- HPC has been firmly linked to the economic competitiveness and scientific advances it is becoming important to nations. The worldwide study showcases, 97% of the companies have adopted supercomputing platforms and says that they won't survive without it.



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The major challenges for these HPC systems are power, cooling system management and storage & data management. The importance of storage & data management would continue to grow in future. In additions to this, software hurdles continues to grow, which are restraining the growth of HPC market.

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HPC technology is being rapidly adopted by the academic institutions and various industries to build reliable and robust products that would enable to maintain a competitive edge in the business. Various vendors are also targeting to provide high performance converged technology solutions. As this trend is gaining significant relevance, the market is growing steadily and it would continue its growth in future.

HPC involves various components and some of them could be listed as Hardware and architecture, software and system management and professional services. Hardware components are the most essential parts in any HPC system. The efficiency of the system is totally dependent on the hardware entities in HPC.

The different types of deployment methods of HPC are Cloud based and on-premise based methods. Cloud deployment is most popular in the industry, as cloud-computing technologies are popularly adopted by the players in different industries.

The major application sections of HPC are High Performance technical computing and High performance business computing. Technical computing of the HPC includes various sectors such as Government, Chemicals, Bio-sciences, Academic institutions, Consumer products, Energy, Electronics and Others.

The [high performance computing market](#) is being analyzed in different geographic regions such as North America, Europe, Asia-Pacific and LAMEA. North America is the largest market for HPC technology due to the technological advancements and early adoption of technology in the region followed by Europe.

Some major players in HPC market are IBM, Intel, Fujistu, AMD, Oracle, Microsoft, HP, Dell, Hitachi Data System and Cisco.

Highlights of the report:

- Porter's five force's model helps in analyzing the potential of buyers & suppliers, and the competitive sketch of the market, which would guide the market players to develop strategies accordingly.
- Assessments are made according to the current business scenario and the future market structure & trends are forecast for the period 2017-2023 by considering 2016 as base year.
- The analysis gives a wider view of the global market including its market trends, market structure, limiting factors and opportunities.
- The advantages of the market are analyzed to help the stakeholders identify the opportunistic areas in a comprehensive manner.

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Lastly, this report provides market intelligence in the most comprehensive way. The report structure has been kept such that it offers maximum business value. It provides critical insights on the market dynamics and will enable strategic decision making for the existing market players as well as those willing to enter the market.

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