

# **High Performance Computing as a Service Market based on by Component (Solutions and Services), Deployment Type (Private Cloud, Public Cloud, and Hybrid Cloud), and Industry Vertical (BFSI, Healthcare, Media & Entertainment, Weather, Aerospace & Defense, IT & Telecommunication, and Others),Regional Outlook– Global Forecast up to 2030**

<https://marketpublishers.com/r/H81EAEC36746EN.html>

Date: January 2024

Pages: 112

Price: US\$ 4,500.00 (Single User License)

ID: H81EAEC36746EN

## **Abstracts**

High-performance computing as a service (HPCaaS) provides high-performance computing applications in the cloud, allowing on-demand access to a dependable and scalable supply of high-performance computing components. Furthermore, with high-performance computing services, a supercomputer may be transformed into a scalable cloud that maximises HPC resource accessibility via PaaS, IaaS, and SaaS abstractions, enables efficient utilisation, and provides dynamic provisioning.

By component, the solutions segment dominated the HPC as a service market in 2018 and is likely to continue to do so during the forecast period. This segment's expansion is mostly due to an increase in the demand to conduct complicated calculation operations. Furthermore, high performance, flexible deployment, and control of critical components are required to enable effective workflow management and customisation. As a result, such factors drive the need for HPC solutions.

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