

Multi-Client Study

2020 HPC Multi-Client Study: HPC Budget Mix and Key Purchase Criteria

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This annual study is part of the sixth edition of Hyperion Research's high-performance computing (HPC) end-user-based tracking of the HPC marketplace. It covers 194 user sites with 1,849 HPC systems. This report focuses on budget mix and key purchase criteria.

HYPERION RESEARCH OPINION

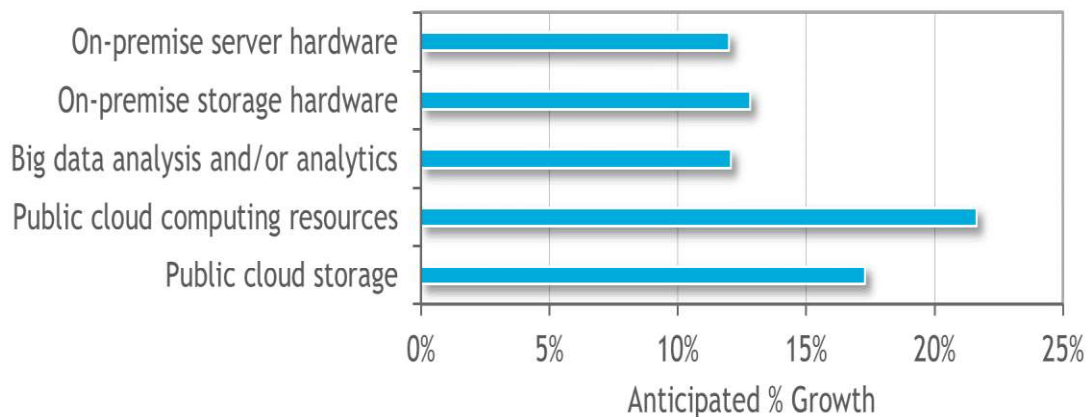
This document explores the current and projected budget mix in the HPC market, as well as key purchasing criteria and barriers for HPC expansion. All budget categories are expected to increase over the next five years, both on-premise and in the cloud, as shown in Figure 1.

Report highlights include:

- The fastest budget growth is expected in public cloud computing resources (21.6%) and public cloud storage (17.3%). On-prem server budgets are expected to grow by over 10%.
- Price is becoming increasingly important. Nearly half of respondents (44.3%) cite price as their single most important consideration for HPC purchases.
- The most desired system attributes worth paying at least a 15% premium in system cost were related to performance, security, and scalability.

FIGURE 1

Anticipated High-Growth Budget Areas



Note: n=194

Source: Hyperion Research, 2020

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