

Memory And Storage Are Critical To Building Better AI And ML Architectures

MEMORY AND STORAGE BOTTLENECKS LIMIT AI/ML PERFORMANCE TODAY

Top Hardware-Related Challenges:

70%

Training performance and throughput limited by available storage performance



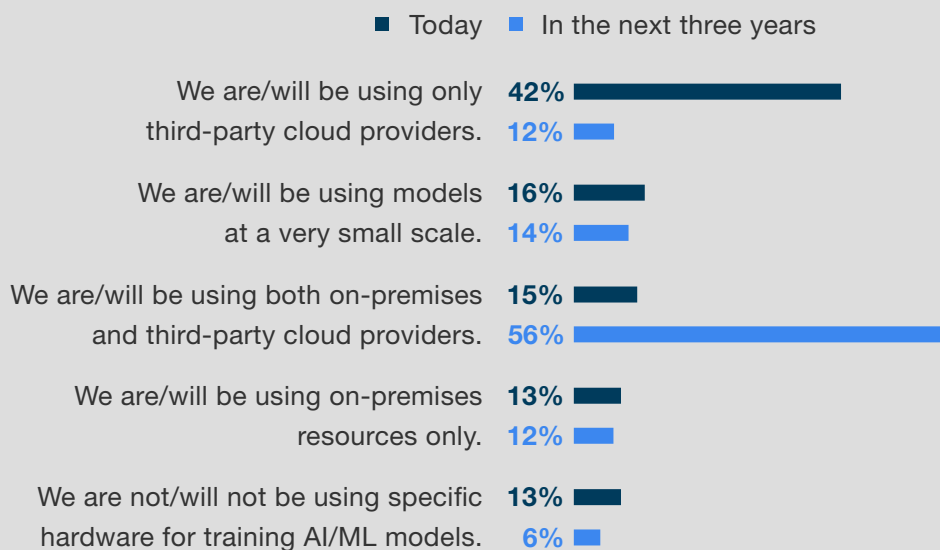
66%

Training performance and throughput limited by available memory



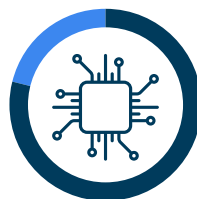
SCOPE OF HARDWARE FOR AI/ML WILL CHANGE AS MODEL COMPLEXITY GROWS

Firms will move workloads from third-party cloud to a mix of on-premises and cloud hardware designed for AI as more advanced use cases proliferate.



FIRMS MUST REARCHITECT MEMORY AND STORAGE FOR FUTURE SUCCESS

How important is it that you upgrade or rearchitect your memory and storage to meet future AI/ML training goals? *(Critical or Important)*



79%
Memory



76%
Storage



MOVING MEMORY AND COMPUTE CLOSER TOGETHER IS ESSENTIAL FOR AI/ML SUCCESS

90% of firms plan to move computing and memory closer together to improve AI/ML workloads in the future.

Methodology

Source: A study conducted by Forrester Consulting on behalf of Micron, August 2018

Base: 200 IT and business professionals who manage architecture or strategy for complex data sets at large enterprises in the US and China