

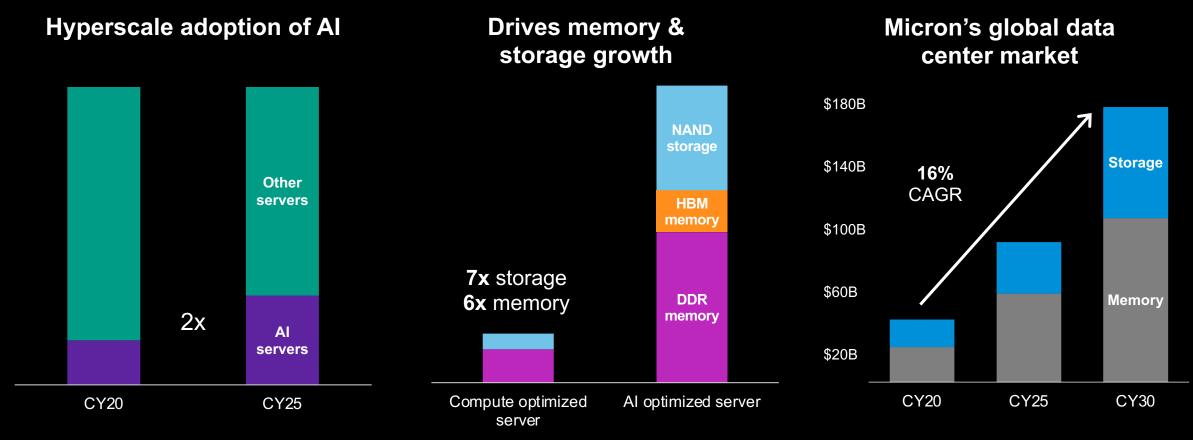
Ryan Baxter- Senior Director of Marketing, Data Center

Flash Memory Summit | August, 2022

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Data centers = memory centers



Memory and storage growth will never be as slow as before, and possibly never as fast as now.

Sources: 1. Hyperscale Al Adoption: Internal Bain research



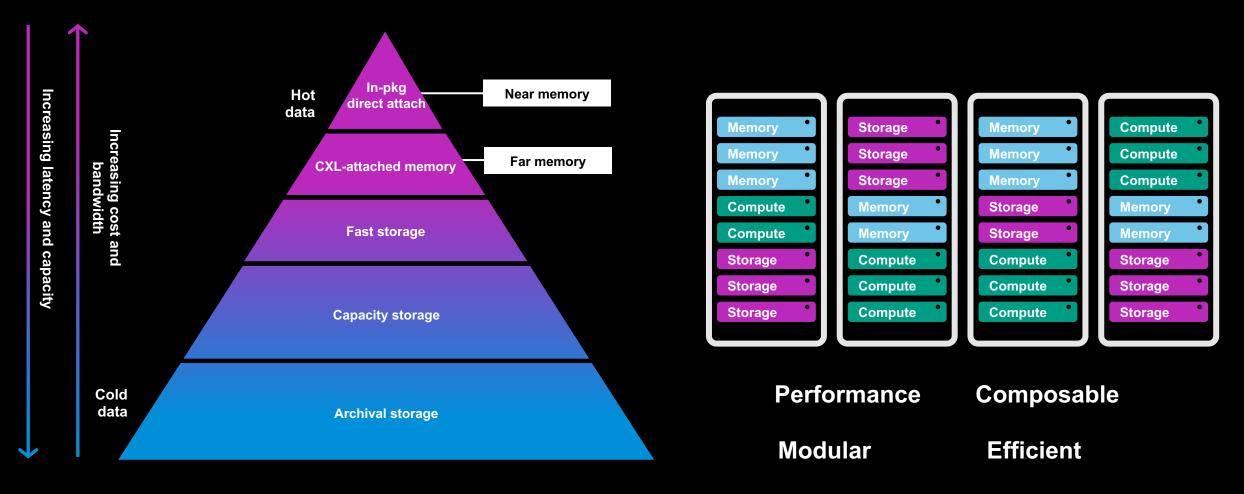
Server Content referencing two published AWS EC2 hardware configs: AWS Instance types 3/1/22

Standard server Config = 256GB DRAM, 0GB HBM, 1.2TB SSD Storage Al Server Config = 1152 DRAM+ 320GB HBM, 8TB SSD Storage

^{3.} Global Data Center Market = Micron MI Market Model

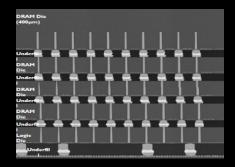
Memory-centric innovations in the data center

Applying the power of software-defined infrastructure



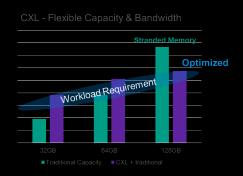


CXL Use Cases



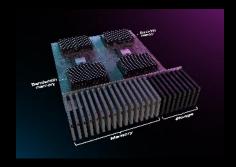
Alternative to Stacking

Stacking drives non-linear cost/bit



Balance Memory Capacity/BW

- DRAM capacity/BW on demand
- Balances GB/core and BW

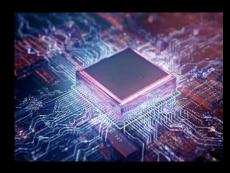


Provide Ultra-High Capacity
Expansion beyond 4H 3DS TSV

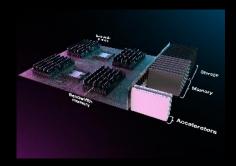


Reduce System Complexity

- Fewer memory channels
- Thermally optimized solutions



Add Memory Bandwidth
CXL enables memory attached points

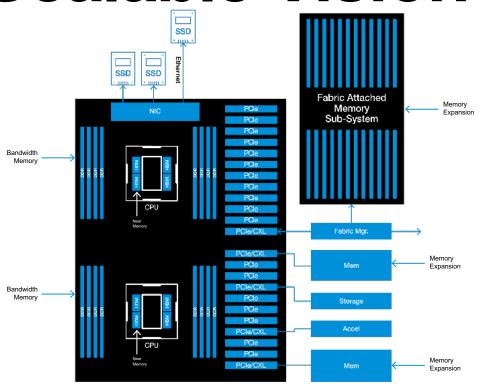


Enablement After 2DPC

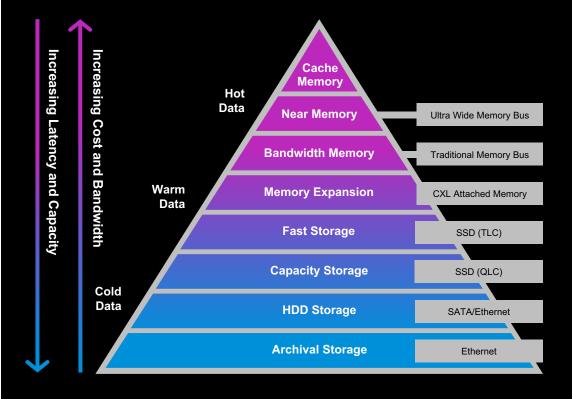
Future 50% slot reduction



The Industry's Fully Composable, Scalable Vision



Memory and Storage Hierarchy





Micron's "data centric" portfolio

Hyperscale	Enterprise & gov	Communication	Edge
Compute	Acceleration	Networking	Storage

нвм	GDDR	LPDDR	DDR	TLC NAND	QLC NAND
Deep custome	er relationships	Standard	s body leadership		Ecosystem enablement
Silicon technolog		Tech node leadership	Advanced packaging		Emerging memory

A complete portfolio built on silicon technology, world class manufacturing, and a diversified supply chain.



Micron is committed to partnering with the industry; ultimately serving and delighting our customers

Strategic ecosystem partnerships

- Define, develop and prove technologies
- DDR, LP, & GDDR
- GPU Direct Storage
- Enable differentiated solutions
- Extend the ecosystem



Industry organizations

 Provide leadership in industry organizations to enable scalable advancement





