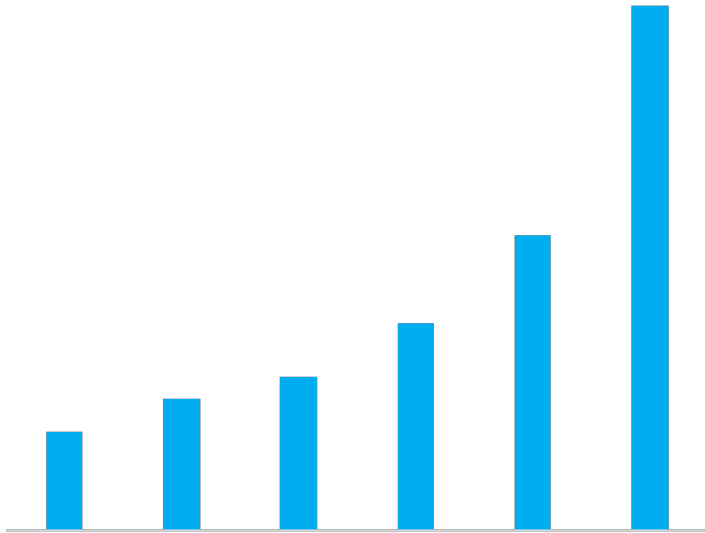


Intel[®] Optane[™] Persistent Memory

Transforming the Data Landscape

ADAPTING TO THE CHANGING DATA

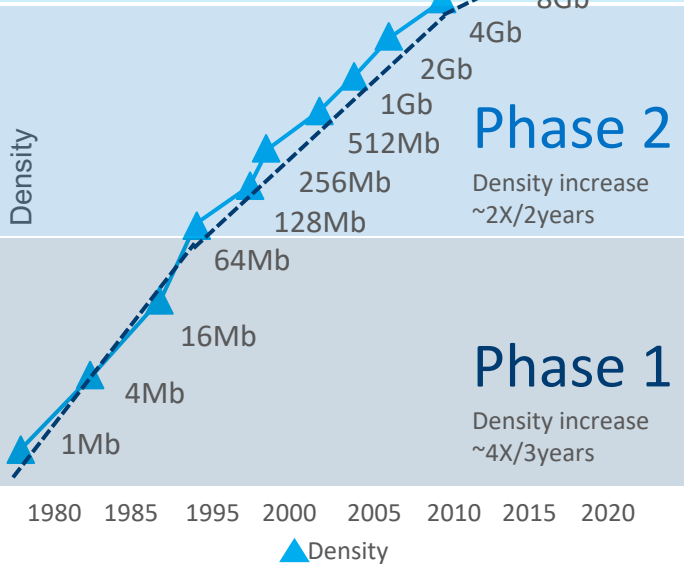
Compute demand accelerating



DRAM is not scaling with Data

Phase 3

Density increase
~2X/4years



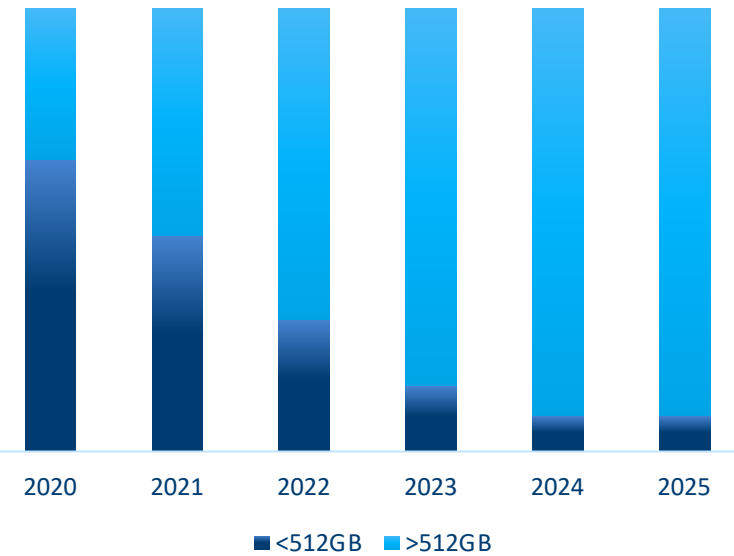
Phase 2

Density increase
~2X/2years

Phase 1

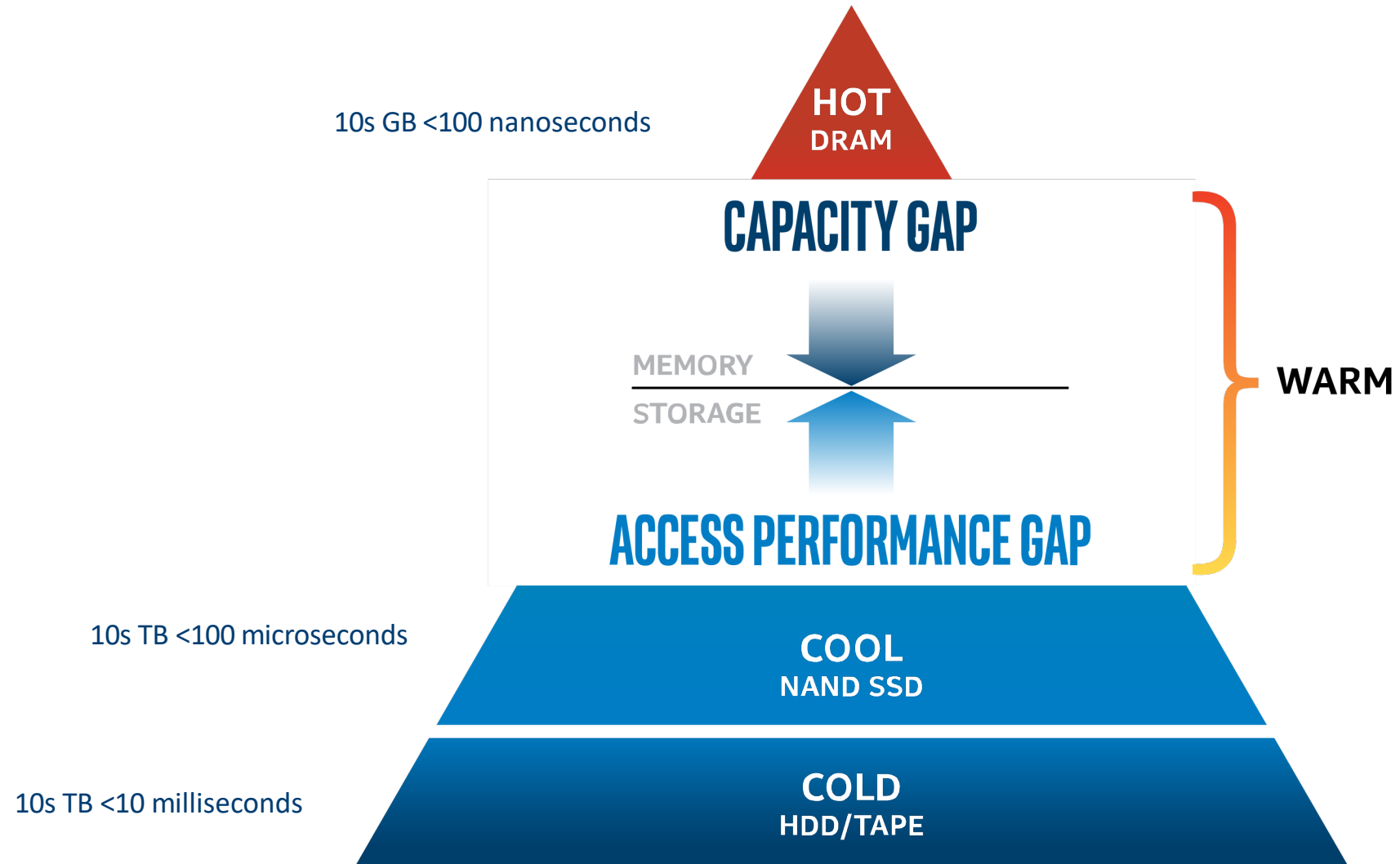
Density increase
~4X/3years

Large memory systems growing

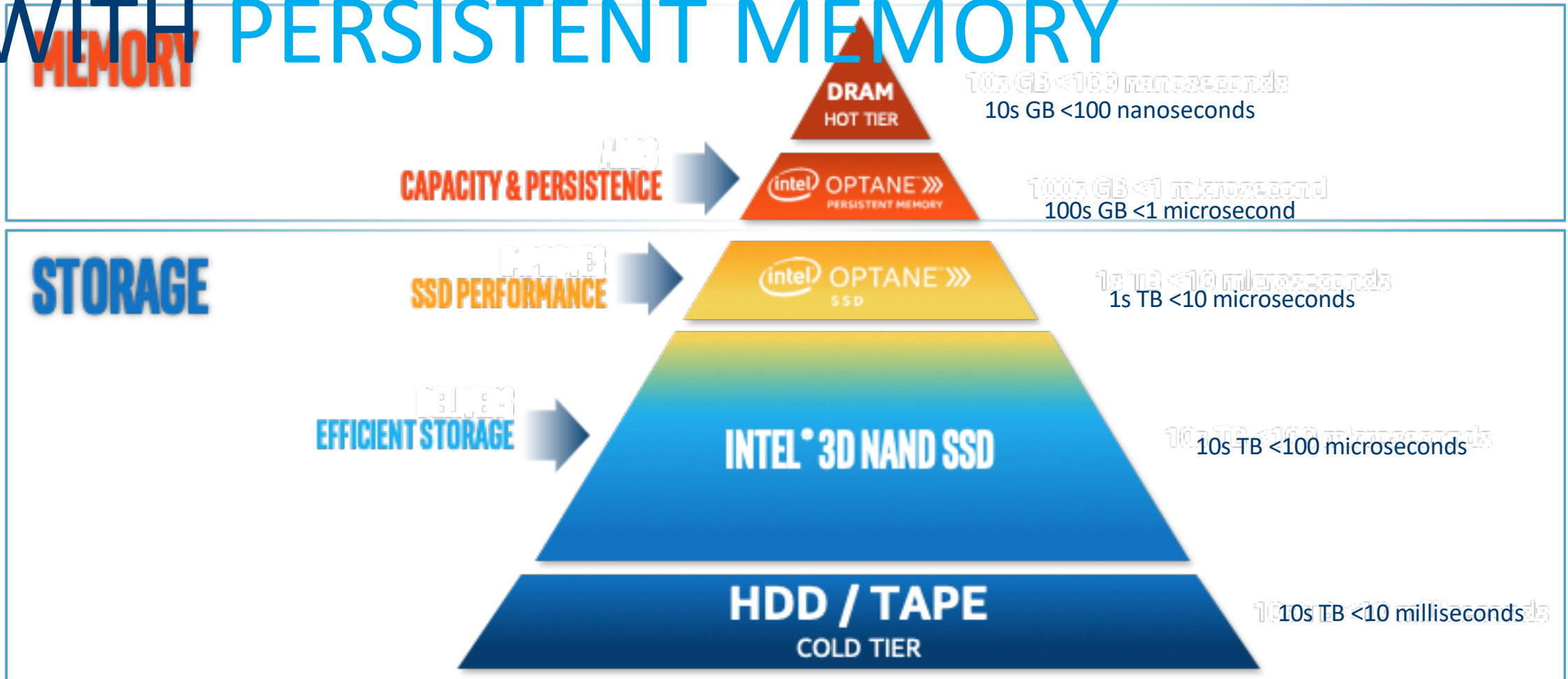


Analytics for Financial Services will drive a sharp increase in demand for memory resources

Gaps in the Memory/Storage Hierarchy



THE BEST OF MEMORY AND STORAGE WITH PERSISTENT MEMORY



Intel® Optane™ Persistent Memory is

unique



Revolutionary material

Most significant memory and storage advancement **in the last 20 years**



Write in place

Set or reset data as needed, **no need to erase media**



BYTE ADDRESSABLE

Every memory cell can be **individually addressed**

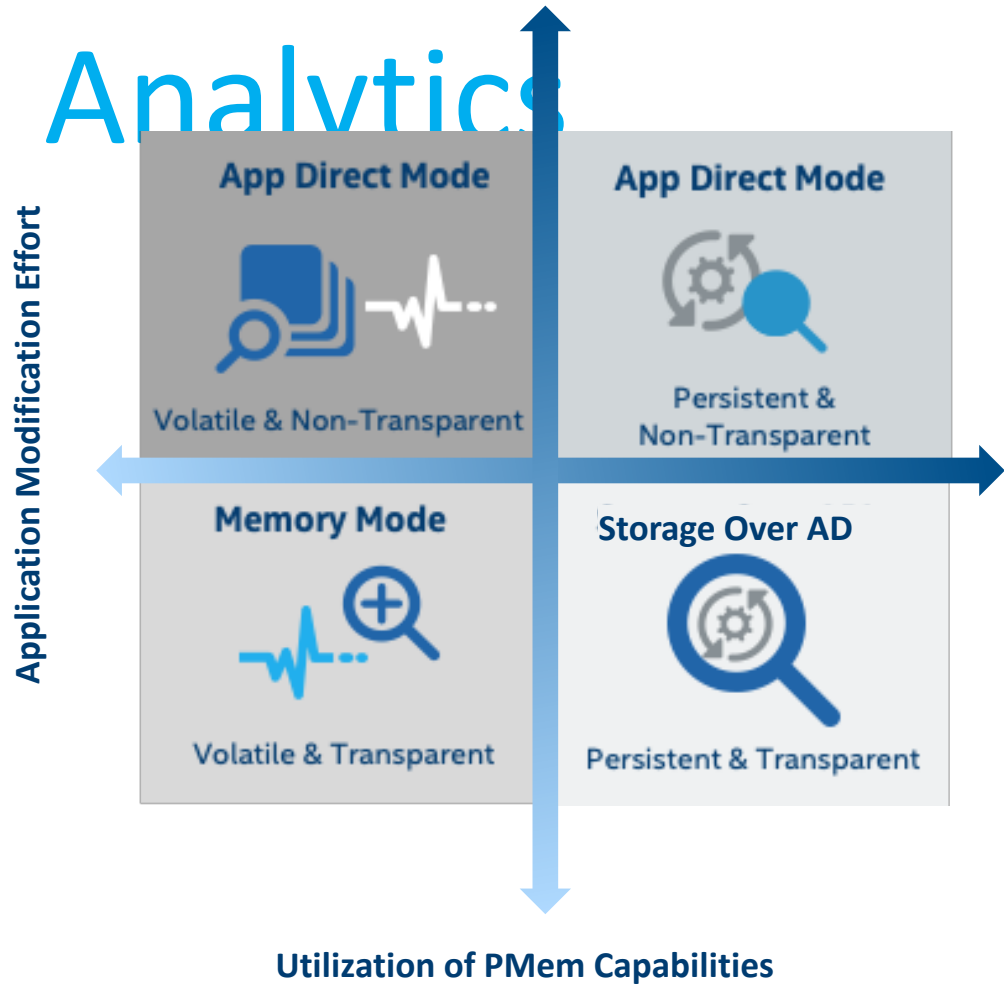


low latency

...together delivering **remarkably fast media**

The best of memory and storage

Software Optimization Drives Value for Analytics



Several Options for easy deployment

- The maximum performance and capability for Pmem comes with application optimization
- But many applications are already Enabled
 - KX, Vmware, Apache Spark, etc

But you don't have to wait for full SW Optimization-
Memory Mode and StoAD are here

Open Source Libraries, Programming Models and support available at pmem.io for AD enablement

www.intel.com/Optane

BACKUP