

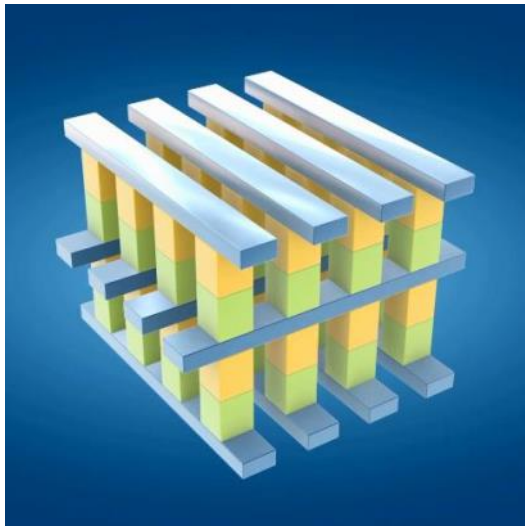


3D XPoint™ Technology

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3D XPoint™ Technology - A New Class of Memory



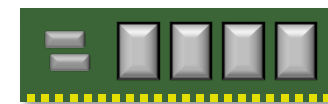
- Up to **1000 times faster**¹ than NAND
- Up to **1000 times greater endurance**² than NAND
- **10 times denser** than conventional memory³

SSDs with Intel Optane™ technology



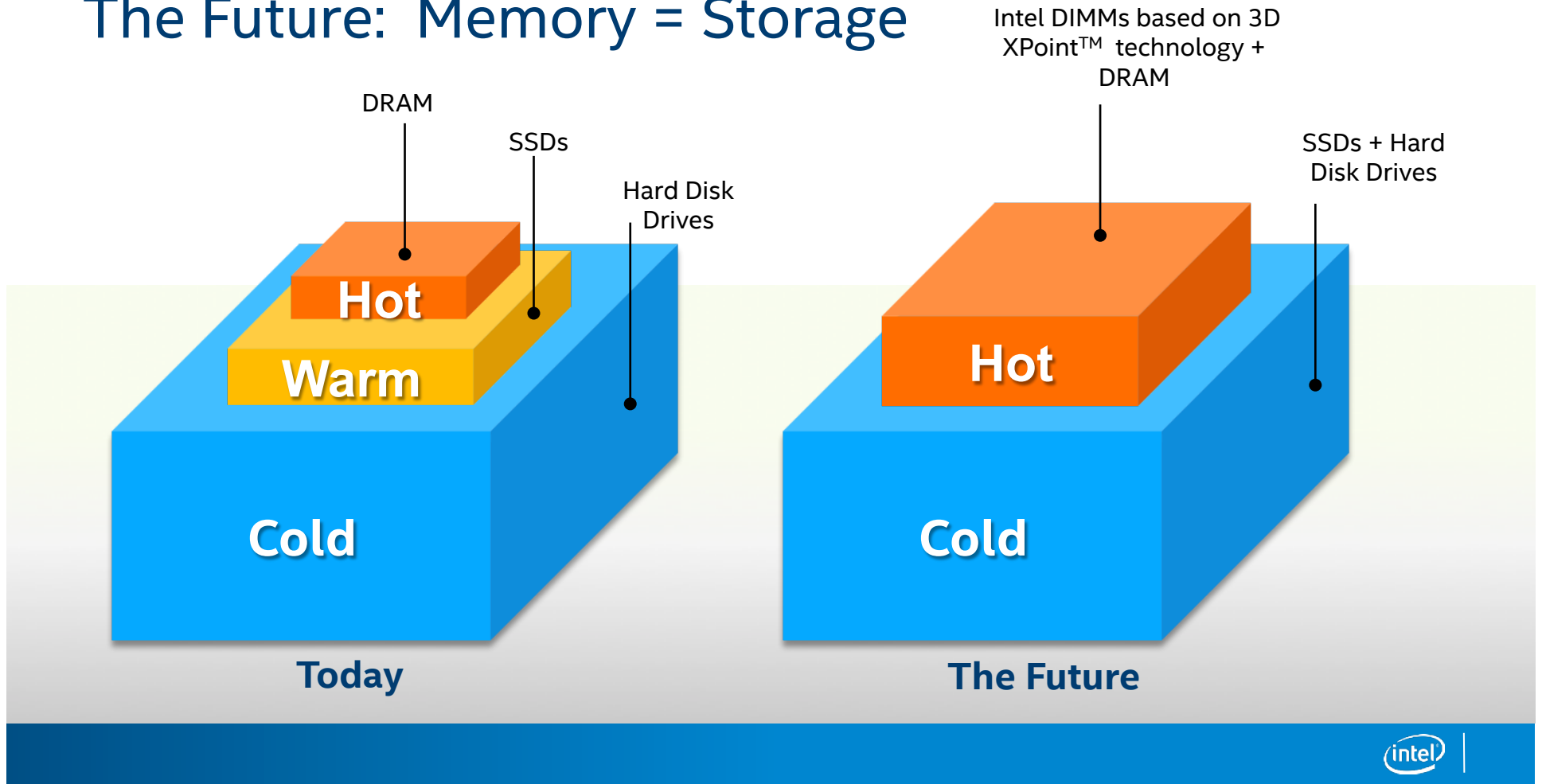
2016

Intel DIMMs



With next-generation data center platform

The Future: Memory = Storage



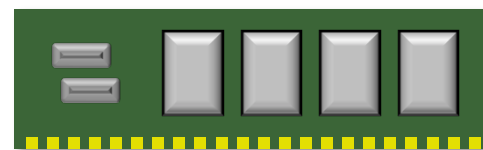
Just Add Software

Legacy SW Stack



Fast Storage

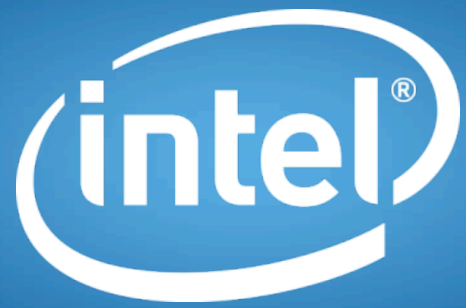
Optimized SW Stacks



**High Capacity
Persistent Memory**



Open SW innovation in-process at SNIA.org,
<http://PMEM.io>, and Linux kernel developer forums



Notes

1. Performance difference based on comparison between 3D XPoint™ technology and other industry NAND
2. Endurance difference based on comparison between 3D XPoint™ technology and other industry NAND
3. Density difference based on comparison between 3D XPoint™ technology and other industry DRAM