Intel Optane technology bridges critical gaps in the storage and memory hierarchy to enable a smarter architecture. This revolutionary technology is available in a range of data center products, offering higher capacity and persistence over DRAM, and higher endurance and performance over NAND technology.

- Innovative Intel Optane technology fills memory-capacity and storage-performance gaps in the traditional memory/storage hierarchy.
- Intel Optane technology provides flexibility to deploy at near-DRAM speeds via the memory channel or at fast NVM Express (NVMe) speeds over the storage bus.

Intel® Optane™ persistent memory (PMem) 200 Series is a high-capacity, high-performing persistent memory with hardware-enhanced security that delivers 25% higher bandwidth than the previous generation and offers 2 operating modes to suit customer needs.

Intel® Optane™ SSD P5800X is the world’s fastest datacenter SSD that delivers consistent low-latency performance for mixed read/write workloads, without degradation under write pressure.

- Combine traditional NAND-based SSDs with Intel Optane SSDs and Intel Optane persistent memory (PMem) as needed for efficient end-to-end data access with persistence.
- Consolidate servers and licenses for improved utilization and a smaller data center footprint.
- Rely on trusted partners. Intel has a history of continuous innovation and a roadmap for ongoing collaboration with a vast ecosystem of leading hardware and software providers.
- Intel works collaboratively with the world’s top application vendors to optimize performance for Intel® hardware technologies.