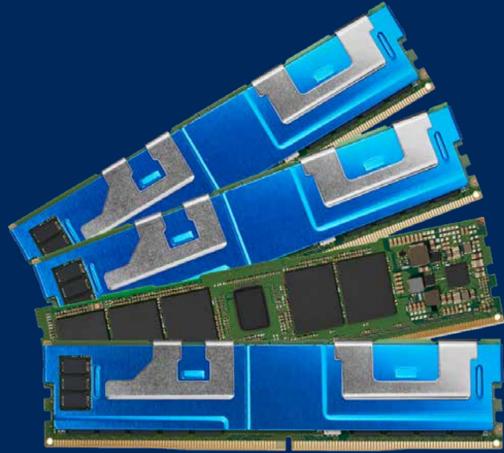


# Intel® Optane™ persistent memory

The best of memory and storage in one solution

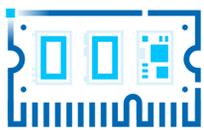


Intel Optane persistent memory is a unique combination of building blocks that deliver endurance, consistent high performance and low latency.

This technology retains data by storing data “bits” within the molecular structure of the material itself. It also keeps data close to the central processing unit when in use and retains it when powered off.

Intel Optane persistent memory is supported by a large ecosystem of partners, OEMs, OSVs, CSPs and ISVs.

## Benefits



Expands memory capacity at lower costs than DRAM



Reduces input/output bottlenecks



Enables faster data analysis



Enables faster database restarts



Retains data during power loss



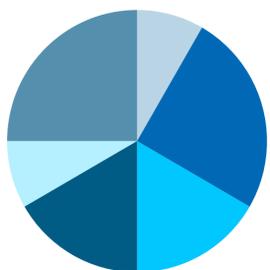
Bridges the gap between SSDs and DRAM

## Fast facts

- Launched in April 2019
- Deployed or in proof of concept in 200 of the Fortune 500 companies
- More than 85% of companies moved from proof of concept to deployment

## Workload

By use case



- Artificial intelligence
- Analytics
- Database
- High performance computing
- In-memory database
- Virtualized infrastructure

By industry



- Cloud service provider
- Comms. service provider
- Education
- Enterprise
- Financial services industry
- Government
- Health sciences
- Manufacturing

## Ranking



Intel Optane persistent memory, in combination with Intel's open-source distributed asynchronous object storage solution, defeated today's best supercomputers and ranked **No. 1 for file system performance worldwide.**

For more information about the Intel Optane technology go to: [intel.com/optane](https://intel.com/optane)