TURBOCHARGE YOUR DATA

Get MAX power with Intel® Optane™ technology and NetApp® Memory Accelerated Data (MAX Data)

Data powers digital transformation

Using your data wisely:

- Uncovers valuable insights
- Grows your customer base
- Optimizes applications

INTRODUCING INTEL® OPTANE™ DC PERSISTENT MEMORY

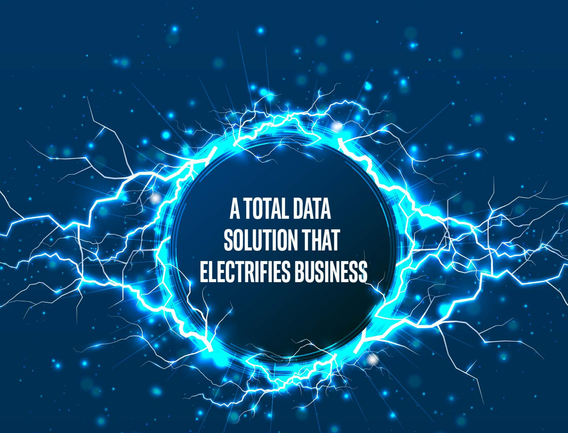
A new memory technology that comes in a DIMM form factor. It's accessed like DRAM on the memory bus, but it's persistent, like NAND flash storage. So you can *say goodbye* to density and volatility barriers.

intel OPTANE DC PERSISTENT MEMORY

COMBINE IT WITH NETAPP® MAX DATA

A server software solution that delivers Intel® Optane™ DC persistent memory with extra security, performance, and availability.

NetApp®



INTEL® OPTANE™ TECHNOLOGY DRIVES PERFORMANCE

- Process more data in memory, faster than flash storage[1]
- Accelerate performance by shrinking latency from milliseconds to nanoseconds[2]
- Eliminate the need to reload cache data into memory after a restart
- Expand the size of working datasets, with larger capacity for "hot" data

NETAPP® MAX DATA DELIVERS PERSISTENT MEMORY AND MORE

- Start using persistent memory now, with no trade-offs
- Get better data protection across all working datasets
- Manage data better with mirroring, cloning, and snapshot copies with NetApp® ONTAP®
- Recover rapidly using the memory-to-memory replication of NetApp® MAX Recovery server

THE FASTEST PATH TO PERFORMANCE AND AVAILABILITY

Isn't it time to put your data to work—and electrify your business? Get started now.

netapp.com/us/products/data-management-software/max-data.aspx

[1] App Direct Mode, Neon City, LBG:B1 chipset, 28-core 2nd Generation Intel® Xeon® Scalable processor (B0, QDF QQYZ), 192 GB DDR4 (per socket), 2666 megatransfers per second (MT/s), 128 GB Intel® Optane™ DC persistent memory (PMM), BIOS 561.D09, best known configuration (BKC) version WW48.5, Linux* 4.18.8-100.fc27, Spectre/Meltdown patched (1, 2, 3, 3a)

[2] Based on Intel testing as of July 24, 2018: Average read latency measured at queue depth 1 during 4K random write workload. Measured using FIO 3.1*. Comparing Intel reference platform with 375 GB Intel® Optane™ SSD DC P4800X and 1.6 TB Intel® SSD DC P4600 to SSDs commercially available as of July 1, 2018.

Performance results are based on testing as of the date set forth in the configurations and may not reflect all publicly available security updates. See configuration disclosure for details. No product or component can be absolutely secure.

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark* and MobileMark*, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information visit intel.com/benchmarks.

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