ACCELERATE INSIGHT AND BUSINESS INTELLIGENCE WITH INTEL® OPTANE™ DC PERSISTENT MEMORY

intel OPTANE DC PERSISTENT MEMORY

Fuel your highest-value workloads with a breakthrough combination of data persistence, performance, capacity, and affordability.

THE IMPERATIVE

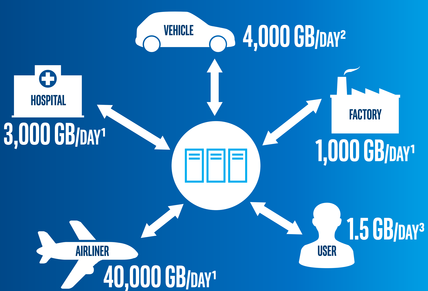
Speed time to value and insight for the data-intensive workloads that are disrupting every industry.

- In-Memory Databases
- Advanced Analytics
- Virtualized and Hybrid Cloud Workloads
- HPC
- Storage

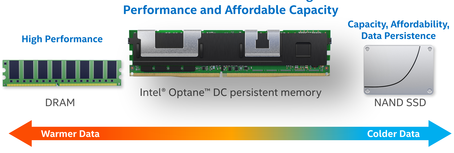
THE CHALLENGE

Data growth is exploding, and today's memory and storage technologies force tradeoffs when implementing solutions for actionable analysis.

By 2020, these entities will generate:

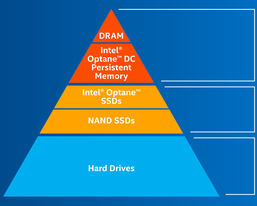


Intel is about to add new flexibility to the memory/storage hierarchy



ACTIVATE YOUR DATA

Intel® Optane™ DC persistent memory is a new, flexible tier of memory, filling a significant gap in the memory/storage pyramid while enabling new levels of performance and in-memory analytics capabilities.



INTEL® OPTANE™ DC PERSISTENT MEMORY

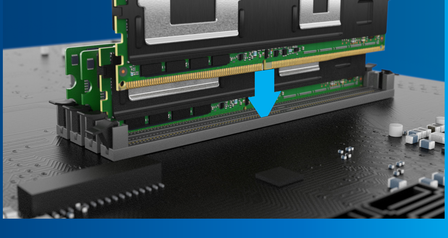
Extends system memory capacity cost-effectively

Maintains data integrity with persistency, even when power is lost

Helps protect data with AES 256 encryption

Built-in data correction ensures business continuity and system availability

Plugs seamlessly into DDR4 memory slots



Intel® Optane™ DC persistent memory is supported by future Intel® Xeon® Scalable processors, maximizing performance for your most compute- and data-intensive workloads.

intel XEON PLATINUM inside

SYSTEM/SERVICE RESTART TIME[4]

Minutes → Seconds

MORE SERVER INSTANCES[4]

9x DATABASE OPS/SEC INCREASE[4]

11x MORE USERS[4]

Prepare your systems now: https://software.intel.com/pmem

1 http://www.cisco.com/c/en/us/solutions/collateral/service-provider/global-cloud-index-gci/Cloud_Index_White_Paper.html
2 https://dataflog.com/read/self-driving-cars-create-2-petabytes-data-annually/172
3 http://www.cisco.com/c/en/us/solutions/service-provider/vni-network-traffic-forecast/infographic.html
4 Performance results are based on Intel internal testing. System/service restart time decreased from minutes to seconds (5/30/2018), more server instances (7/31/2018), 9x database ops/sec increase and 11x more users (5/29/2018) and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

Configurations: Results have been estimated based on tests conducted on pre-production systems, and provided to you for informational purposes. Any differences in your system hardware, software or configuration may affect your actual performance.

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 information go to www.intel.com/benchmarks.

All information provided here is subject to change without notice. Contact your Intel representative to obtain the latest Intel product specifications and roadmaps. Intel processors of the same SKU may vary in frequency or power as a result of natural variability in the production process.

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