



Future Tech and Intel® Optane™ Persistent Memory



According to Bob Venero, CEO and founder of Future Tech Enterprise, Inc., Intel® Optane™ Persistent Memory (Intel® Optane™ PMem) is a key offering that his company often recommends for clients.

“Future Tech serves Fortune 500 companies in the aerospace, defense, education, healthcare, manufacturing, and retail sectors. Naturally, these organizations have high demand for solutions that deliver improved memory.”

—Bob Venero, CEO and founder of Future Tech Enterprise, Inc.

Future Tech and Intel empower businesses to accelerate their digital transformation

Since the beginning of the COVID-19 pandemic, businesses have expressed a huge demand for memory and IT services. With shrinking budgets, growing data volumes, and increasing costs for DRAM, memory has been unable to keep up, forcing organizations to hurry their digital transformations. Companies want to support new workloads and services with real-time analytics that use large data volumes. But without efficient memory, not even the best CPUs can support them.

Benefits of Intel® Optane™ persistent memory

↑36%

increased VMs per node

~30%

better pricing than DRAM

↓6x

lower latency



Lower TCO



Less cooling and power for the same memory density



Smaller physical data-center footprint



Reduced software licensing



Fills gap between DRAM and NAND

How Intel Optane persistent memory can improve workloads, increase capacity, and lower total cost of ownership

Intel Optane persistent memory is an innovative memory technology that sits between memory and storage, converging both product traits into a flexible, high-performing storage tier. Providing near-DRAM performance with higher capacity and lower TCO, Intel Optane PMem provides the speed of memory with the capacity and nonvolatility of storage. These optimized workloads help customers extract more-actionable insights from data whether it be in the cloud or a database, from in-memory analytics to content delivery networks.

With Intel® Optane™, Future Tech can enable denser, more-consolidated virtualized server environments. Customers can also benefit from 6x lower latency and a 36 percent increase in virtual machines (VMs) per node, all while saving up to 30 percent off their DRAM costs. By enabling more in-memory databases, Intel Optane PMem also positions customers to see an increase in the amount of accomplished work per server.

What Intel Optane persistent memory does for Future Tech customers

Future Tech delivers services its customers need within the budgets they have. By affordably processing large data sets across a range of application types, organizations can lower their TCO through less power, a smaller physical footprint, less cooling, reduced software licensing, and node reduction. Intel Optane PMem fills the gap between DRAM and NAND, ideal for applications that need low-latency responsiveness, real-time analytics, and the capacity for large data sets. Customers can also make more physical space in a data center, as well as capitalize on storage tiering for enhanced performance.

Working seamlessly with VMware

Future Tech is a Platinum VMware partner, helping customers integrate VMware solutions and streamlining their digital transformation. The combination of VMware and Intel Optane PMem increases the memory capacity in a VMware vSphere virtualized data center by operating in Memory Mode, allowing for an increase in VM density and a subsequent boost in application capacity and performance in the same data center footprint.

This type of VDI setup not only means more support for virtual desktops, but also lower memory costs and lower TCO. By working with VMware and Intel Optane PMem, Future Tech enables greater efficiency by only using what workloads need at any given point.

Access both large storage and affordable capacity with Future Tech

Organizations often feel like they must choose between using small memory capacity because of cost restraints or paying too much for large-capacity memory. With Intel Optane Persistent Memory from Future Tech, organizations can easily take advantage of a memory tier where persistent memory becomes a large and affordable capacity tier—all with a relatively small amount of DRAM.

Contact one of our qualified Future Tech representatives about how Intel Optane Persistent Memory can help maximize your IT services with larger storage and affordable capacity.

To learn more about Future Tech Enterprise, Inc., visit ftei.com or email info@ftei.com.



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