ZONES
First Choice for IT™

THE FUTURE OF
STORAGE AND MEMORY
OPTIMUM
EFFICIENCY

Revolutionize your IT with Intel® Optane™ Technology

(intel) OPTANE™ »»

Introduction.

Don't be overwhelmed by data

We're currently in the midst of a data explosion. Employees are moving in droves toward new technologies such as mobile devices, cloud computing, and the Internet of Things. One aspect all these innovations have in common is a massive appetite for data – and if you don't have an effective way to manage it all, you risk being left behind.

Fortunately, Intel has a solution in the form of Intel Optane technology. Optane SSD will provide your data center with the agility and flexibility it needs to stand up to the rising tide of data. In this guide, we'll explore what Optane SSD is, what makes it so revolutionary, and how Zones can help you get the most out of this exciting technology.
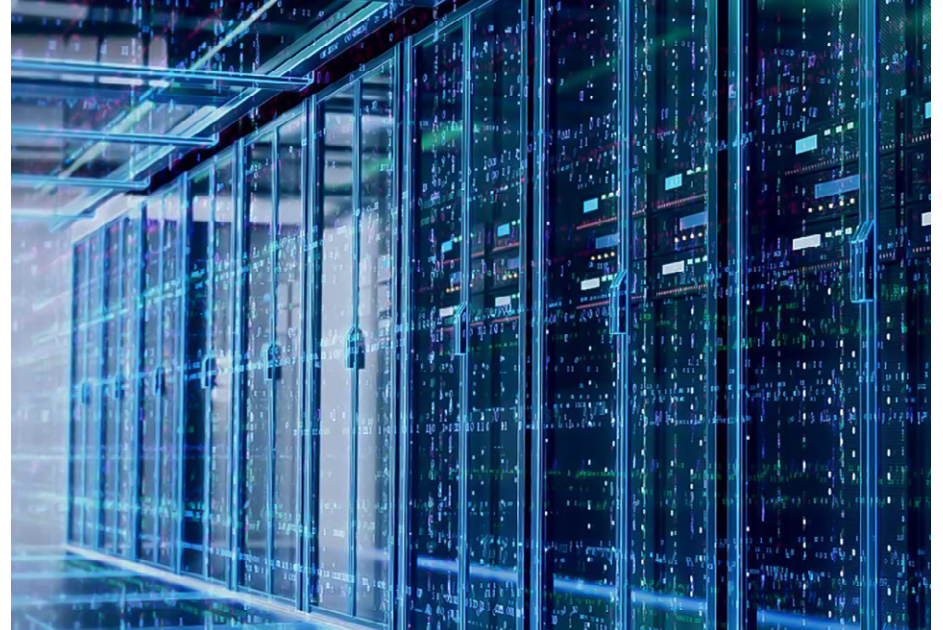
INTEL OPTANE SSD:

A new approach to storage and memory

So – what is Intel Optane technology, anyway? Is it memory? Is it storage? The answer is yes.

For the first time ever, Intel has combined memory and storage into a single package. It's this adaptability that makes Optane SSD so special: Thanks to its flexible design, can be deployed in a variety of form factors that can connect either to the memory channel or the storage bus to provide a range of memory and storage solutions.

As **memory**, Optane technology is powerful and flexible in a variety of situations. Unlike traditional DRAM, it uses Intel® Optane™ Persistent Memory, which offers a uniquely high level of persistence while in App Direct mode. This means your data will always be retained, even after a catastrophic event like a power loss or restart.

Optane technology should upend **storage**, as well. Intel Optane SSDs for the data center bring a novel approach to data storage – they bring data much closer to the processor, which allows for fast caching and efficient storage of hot and warm data. Traditional SSDs are limited to a "sweet spot" for peak performance, which leads to inconsistent results; the "sweet spot" with Optane SSD is everywhere.

Boost the bottom line

Intel Optane SSD does more work with the same servers when compared to alternative solutions. You can use the savings to expand your capabilities and services.

In many cases, clients can greatly reduce the size of their data centers simply by upgrading to an Optane SSD-based server solution, thus allowing for additional cost savings.

- **Cost-optimized for storage consolidation**
- **More scale per server**
- **Faster insight and larger memory pools**
- **High endurance**

All of this equals an overall improved system that balances cost, capacity, and performance better than traditional memory and storage solutions.

Intel and Zones

If your organization takes the leap and implements Intel technology today, you'll be able to transform your approach to managing data. Are you looking for a little guidance as you begin this process? If so, Zones is here for you. We are certified as an Intel® Technology Provider, which means we have the knowledge and experience required to play an advisory role throughout your design and implementation process.

Zones team members will design and implement an Optane SSD-based data center solution made to fit your specific organizational needs. You'll be able to scale your solution up and down easily, and you can also quickly utilize Optane technology as either memory or storage. Connect with us today, and we'll show you how to achieve real success with Intel.

ZONES

Zones develops IT solutions around four key strategic areas – Workplace Modernization, Network Optimization, Data Center Transformation, and Security Fortification.

We work closely with our clients – from the moment we first make contact, throughout the lifecycle of a project, and beyond.

Our IT solutions address the business challenges of today – flexibility, productivity, scalability, compatibility, and security. And with a global team of over 2,000 hardware and software specialists, serving these needs has become our number one focus. The goal is simple, too – enhance your return on investment, improve efficiency, and optimize workflows.

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