**CASE STUDY**
**Intel® Xeon® Processor 5500 Series**
Enterprise Server
Performance: Data Intensive Computing

# Demanding Databases Require Robust Servers

**Intel® Xeon® processor 5500 series delivers extreme performance to Yardi's database-intensive property management platforms**

Yardi Systems, Inc., one of the largest software providers in the property management industry, uses the Intel® Xeon® processor 5500 series to ensure its custom applications and property management platforms meet its customers' demanding requirements. Recognized as an industry leader, Yardi is continually developing and delivering new software and services on centralized databases that enable managers, owners, and investors to execute business with efficiency and ease. The Intel Xeon processor 5500 series is helping Yardi substantially improve database and back-end applications performance.

YARDI

"I have control over the technology we use. When new Intel® processors are available, we utilize them to add performance to our larger databases. With Yardi, Intel, and Dell developing rapidly, the timing and conditions are perfect."

*– Remon Amboy*
*Director of IT*
*Yardi Systems*

## CHALLENGES

- **Extreme performance.** As Yardi increases its customer base and the size of each customer's database, performance needs also increase. Extreme performance, particularly for Yardi's larger customers with more users and larger databases, is essential.
- **Reduce energy consumption.** With over 2,000 servers, reducing energy consumption substantially reduces costs.

## SOLUTIONS

- **Dell Servers with Intel Xeon processors.** Yardi is migrating older servers to Dell* PowerEdge* R710 servers with Xeon processor 5500 series dual-socket, quad-core processors. Yardi calls it perfect timing—when it needs improved performance, Intel has the more powerful servers.

## IMPACT

- **Fast deployment.** When performance issues crop up, Yardi addresses them quickly by deploying new Xeon processor 5500 series-based servers, saving time and money that might have been spent researching other possible software-based solutions.
- **Improved application performance.** Yardi measures its application performance by the number of calls it receives from clients. When client frustration is high due to performance issues, installing Xeon processor 5500 series-based servers brings calls to a screeching halt.
- **Less power draw and reduced cost.** The new Xeon processor 5500 series uses less power, reducing energy costs by as much as 16 percent.

## Property Management in the Cloud

For every real estate market segment—office and industrial, retail, multifamily housing, affordable housing, public housing, military housing, and investment management—Yardi Systems, Inc., provides industry-leading asset and property management solutions.

Hosting over 2,000 companies of all sizes, Yardi and its software-as-a-service (SaaS) offerings have unique demands from each company. Being the first in its industry to offer cloud-based solutions means Yardi must ensure its servers deliver the ultimate performance.

# Yardi improves platform performance and reduces energy costs with the Intel® Xeon® processor 5500 series

## Client Growth Brings Challenges

As Yardi's customer base continues to grow, each customer's database and the number of users using each database grow as well. To keep pace with this, Yardi is installing powerful servers, standardizing on Dell PowerEdge R710 servers with dual-socket, quad core Intel Xeon processor 5500 series.

Yardi takes the burden of maintaining an IT infrastructure away from its clients by providing turnkey, cloud-based data management solutions with 24/7 accessibility and immediate scalability. As customers' needs grow, Yardi is positioned to provide rapid implementation and deployment of solutions and improved performance. A key element to doing this is the ability to quickly and successfully deploy the more powerful Xeon processor 5500 series-based servers.

As each of its client companies grows, Yardi must address performance issues immediately. Intel Xeon processor 5500 series provides a fast solution for clients who are working hard on timely data delivery. Even a slight performance dip can mean serious problems in the time-based world of real estate transactions

"One of our barometers is customer calls. When call volumes drop, we know we have the right solution," says Remon Amboy, director of IT services at Yardi. "In order to keep their property owners and associates informed, our customers need consistent monthly reports. They need to write checks, pay bills, and close their books. If we do not address performance issues immediately, we can lose a client. Installing Xeon processor 5500 series-based servers has resulted in improved performance and less customer calls. We know they are happy."

## Hyper-Threading Delivers Greater Throughput

Intel® Hyper-Threading Technology is a key part of Yardi's server strategy, allowing parallel, multi-threaded execution of database access. "Hyper-threading helps with our SQL Server* and Oracle* database interactions," says Amboy. "This is where we see significant gain. Most of our work is done on the database level. When Intel® Hyper-Threading Technology is enabled, we experience a noticeable boost in performance."

## Less Energy Use Means Significant Savings

Energy consumption decreased, bringing Yardi additional benefits. Besides being green, this led to significant cost savings. Each server uses approximately 2.5 amps, compared with 3 amps used by its previous servers. According to Amboy, "We save approximately .5 amps per server. We pay roughly USD 75 per amp in our datacenters. The savings are significant." With over 2000 servers, that's a substantial savings, approaching more than USD 80,000 per month.

### SPOTLIGHT ON YARDI

Established in 1984 as a modest start-up, Yardi Systems, Inc., grew dramatically to become the leading provider of high-performance software solutions for the real estate industry. Today Yardi employs over 1,600 dedicated professionals working in 20 offices throughout North America, Europe, Asia, and Australia.

Yardi was the first in the real estate industry to offer software as a service (SaaS) solutions, providing numerous software suites in the cloud or locally installed.

## Intel® Technology—It's There When You Need It

Yardi has established its reputation as the leading provider of high-performance software solutions in the real estate industry. Amboy sums up Intel's role in this by saying, "The timing couldn't be better. When we have a significant issue, an Intel technology is available to upgrade to. One of the keys to our success is to ensure that technology is there to help us when we need it."

**Performance: Data Intensive Computing.** Support the most demanding business data processing and computationally intense graphics.

Find a solution that is right for your organization. Contact your Intel representative or visit the Reference Room at **www.intel.com/references.**

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