

# Transform your customers' infrastructure with 4th Gen Intel® Xeon® Scalable processors + Microsoft Windows 2022 and SQL Server 2022

Enable new features, improve performance, lower cost, and reduce risk

## 4th Gen Intel® Xeon® Scalable processors



**1.53x** average performance gain<sup>1</sup>



Up to **80%** reduction in server count<sup>2</sup>



Up to **75%** reduction in TCO<sup>2</sup>

### + Windows Server 2022

- Additional performance and security enhancements
- Enhanced container support
- Customizable hybrid cloud capabilities with Azure
- Increased scalability (48 TB memory; 2048 logical cores across 64 sockets)



Up to **3.2x** backup time improvement<sup>3</sup>



Up to **22%** more NOPM transactions<sup>4</sup>



Up to **19%** faster query response time<sup>4</sup>

when using SQL Server 2022

### + SQL Server 2022

- Reduced workload times
- Seamless analytics
- Unified data governance and management
- More secure database
- High availability, business continuity
- Automatic resolution of conflicts

## Modernize now to help businesses address cybersecurity risks

**88%** of corporations see cybersecurity as a business priority<sup>5</sup>

**63%** of organizations suffered a cyber breach<sup>6</sup>

[Intel® Security Engines](#), built into 4th Gen Intel® Xeon® Scalable processors, deliver enhanced security that allows for even the most sensitive data to be available for new modernization opportunities such as AI analysis, training, or processing—all while remaining private and confidential.

And upgrading to Windows Server 2022 provides the benefit of secured connectivity that adds an additional layer of security during transport—a secured-core server delivers powerful threat protection and multilayer security from chip to cloud.

Find customer solutions and strategies in the Data Center Modernization Enablement package. [intel.com/salesenablement](https://intel.com/salesenablement)



1. See [G1] at [intel.com/processorclaims](https://intel.com/processorclaims); 4th Gen Intel® Xeon® Scalable processors. Results may vary.

2. Comparing benefits transitioning from Intel® Xeon® 4110 to Intel® Xeon® 5420+. Results may vary.

3. See [D7] at [intel.com/processorclaims](https://intel.com/processorclaims); 4th Gen Intel® Xeon® Scalable processors. Backup Time Improvement with built-in Intel® QuickAssist Technology & SQL Server 2022. Results may vary.

4. See [D17] at [intel.com/processorclaims](https://intel.com/processorclaims); 4th Gen Intel® Xeon® Scalable processors. Results may vary.

5. Accenture, November 19, 2019, "AI: Built to Scale," <https://www.accenture.com/us-en/insights/artificial-intelligence/ai-investments>.

6. Based on Intel market modeling of the worldwide installed base of data center servers running AI Inference workloads as of December 2021.

Performance results are based on testing as of dates shown in configurations and may not reflect all publicly available updates. See backup for configuration details.

No product or component can be absolutely secure. Your costs and results may vary. Intel® technologies may require enabled hardware, software, or service activation.

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