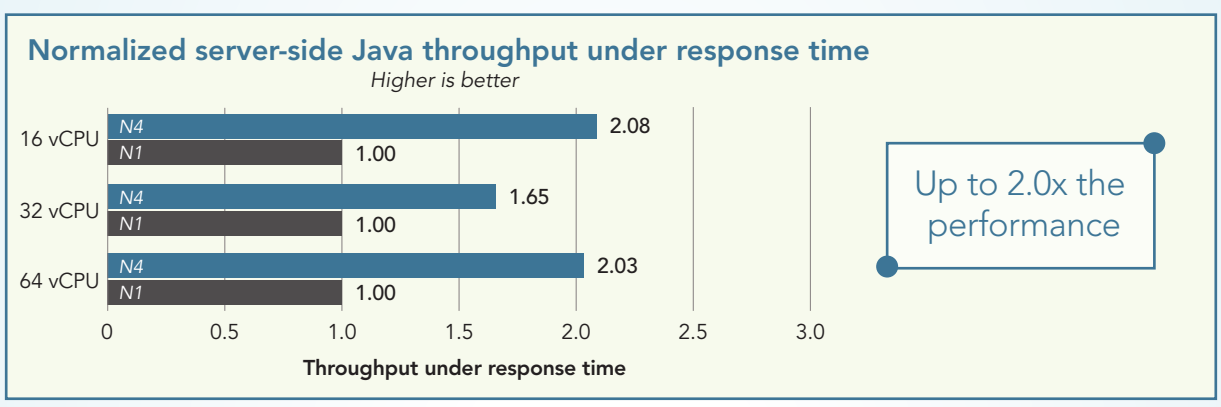
Upgrade to Google Cloud N4 instances featuring 5th Gen Intel Xeon Scalable processors and double Java server-side performance

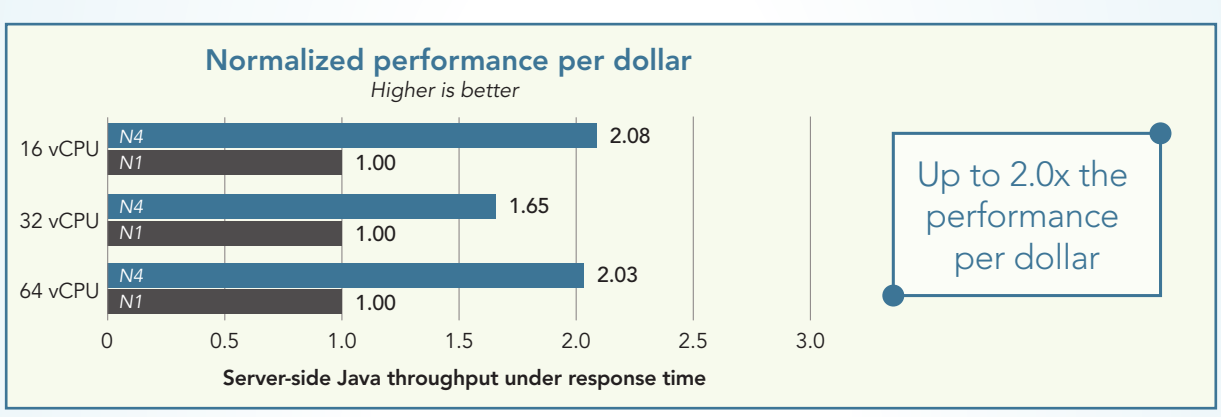
Compared to older N1 instances with 1st Gen Intel Xeon processors

We compared N4 standard instances featuring 5th Gen Intel® Xeon® Scalable processors and older N1 standard instances with 1st Gen Intel Xeon processors. The N4 instances we tested handled more simultaneous Java work while maintaining acceptable response times, delivering twice the value. Stronger Java performance can also translate to improved user experiences and the need for fewer instances.

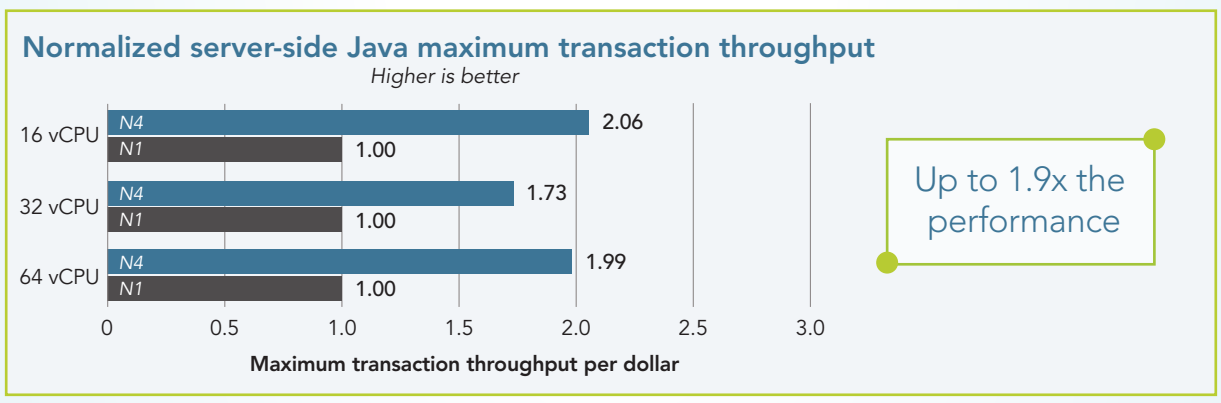
Increase productivity and maximize value with N4 instances

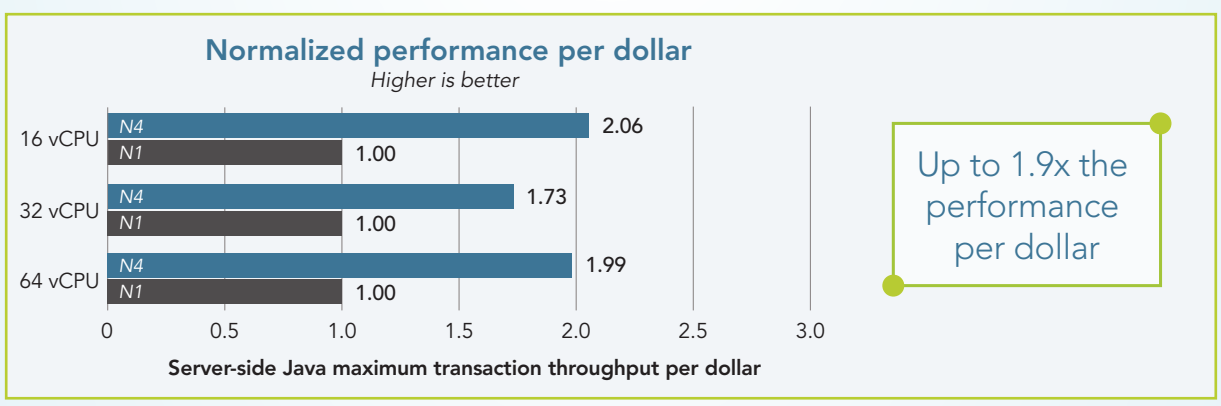
The first metric reports the average maximum throughput, with response time constraints, of the system under test (SUT).[1] These results are pertinent to any company that has high-performance service level agreements (SLAs) in place. Failure to adhere to these standards may result in fines or other severe repercussions.





The second metric* reports the average maximum throughput, without response time constraints, of the SUT.[2] These results are pertinent to developers building enterprise-level apps, companies that handle transactions at a high volume, or data scientists building and deploying complex ML models to satisfy the specific requirements of multiple stakeholders.





1 Standard Performance Evaluation Corporation (SPEC), "SPECjbb2015 Benchmark Run and Reporting Rules 1.02," accessed June 6, 2024, https://www.spec.org/jbb2015/docs/runrules.pdf.

2 Standard Performance Evaluation Corporation (SPEC), "SPECjbb2015 Benchmark Run and Reporting Rules 1.02."

**Please note we did not specifically tune for best maximum transaction throughput performance.*

Learn more at https://facts.pt/tfNsf4Z

This project was commissioned by Intel.

Principled Technologies®