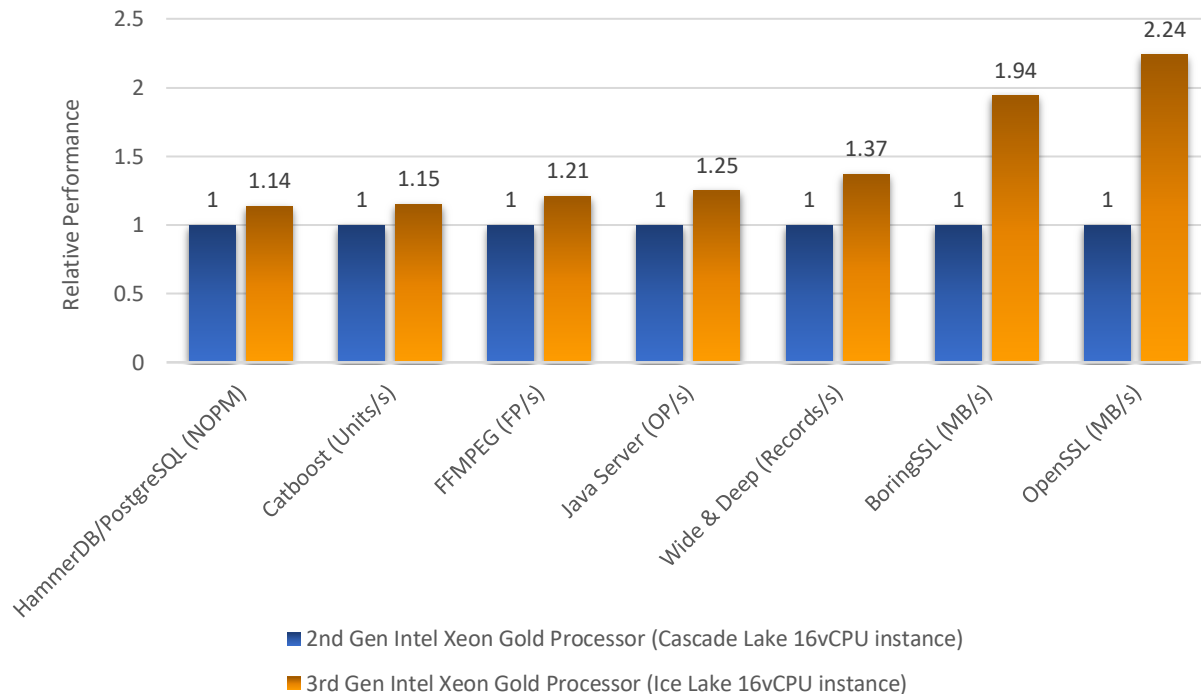


Benefits of 3rd Gen Intel[®] Xeon[®] Scalable Processor on Yandex.Cloud



Up to 2.24X better performance with 16 vCPU Instance

Performance varies by use, configuration and other factors. Learn more at www.Intel.com/PerformanceIndex.

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.

Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.

Intel technologies may require enabled hardware, software or service activation.

© Intel Corporation. Intel, the Intel logo, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as the property of others.

Yandex.Cloud Benchmarks Relative Performance Summary

Performance Claims on 16 vCPU Instance	Related Config
For Server-side Java, Intel® 3rd Gen Xeon Gold 6338 Ice Lake based Yandex instance outperforms previous Intel® 2nd Gen Xeon Gold 6230 Cascade Lake instance by 1.25x for 16 vCPU comparison.	Server-side Java, openjdk version "11.0.2" 2019-01-15, Storage/Instance: 700-800iops, Ubuntu 20.04.2 LTS, Kernel 5.4.0-42-generic, test by Intel on Sep 2021.
For Wide & Deep, Intel® 3rd Gen Xeon Gold 6338 Ice Lake based Yandex instance outperforms previous Intel® 2nd Gen Xeon Gold 6230 Cascade Lake instance by 1.37x for 16 vCPU comparison.	Wide & Deep, Storage/Instance: 700-800iops, Ubuntu 20.04.2 LTS, Kernel 5.4.0-42-generic, test by Intel on Sep 2021.
For Catboost, Intel® 3rd Gen Xeon Gold 6338 Ice Lake based Yandex instance outperforms previous Intel® 2nd Gen Xeon Gold 6230 Cascade Lake instance by 1.15x for 16 vCPU comparison.	Catboost, Storage/Instance: 700-800iops, Ubuntu 20.04.2 LTS, Kernel 5.4.0-42-generic, test by Intel on Sep 2021.
For FFMPEG, Intel® 3rd Gen Xeon Gold 6338 Ice Lake based Yandex instance outperforms previous Intel® 2nd Gen Xeon Gold 6230 Cascade Lake instance by 1.21x for 16 vCPU comparison.	FFMPEG, Storage/Instance: 700-800iops, Ubuntu 20.04.2 LTS, Kernel 5.4.0-42-generic, test by Intel on Sep 2021.
For HammerDB/PostgreSQL, Intel® 3rd Gen Xeon Gold 6338 Ice Lake based Yandex instance outperforms previous Intel® 2nd Gen Xeon Gold 6230 Cascade Lake instance by 1.14x for 16 vCPU comparison.	HammerDB v4.0 PostgreSQL 13.1 , Storage/Instance: 700-800iops, Ubuntu 20.04.2 LTS, Kernel 5.4.0-42-generic, test by Intel on Sep 2021.
For BoringSSL, Intel® 3rd Gen Xeon Gold 6338 Ice Lake based Yandex instance outperforms previous Intel® 2nd Gen Xeon Gold 6230 Cascade Lake instance by 1.94x for 16 vCPU comparison.	BoringSSL, Storage/Instance: 700-800iops, Ubuntu 20.04.2 LTS, Kernel 5.4.0-42-generic, test by Intel on Sep 2021.
For OpenSSL, Intel® 3rd Gen Xeon Gold 6338 Ice Lake based Yandex instance outperforms previous Intel® 2nd Gen Xeon Gold 6230 Cascade Lake instance by 2.24x for 16 vCPU comparison.	OpenSSL, Storage/Instance: 700-800iops, Ubuntu 20.04.2 LTS, Kernel 5.4.0-42-generic, test by Intel on Sep 2021.

Performance varies by use, configuration and other factors.