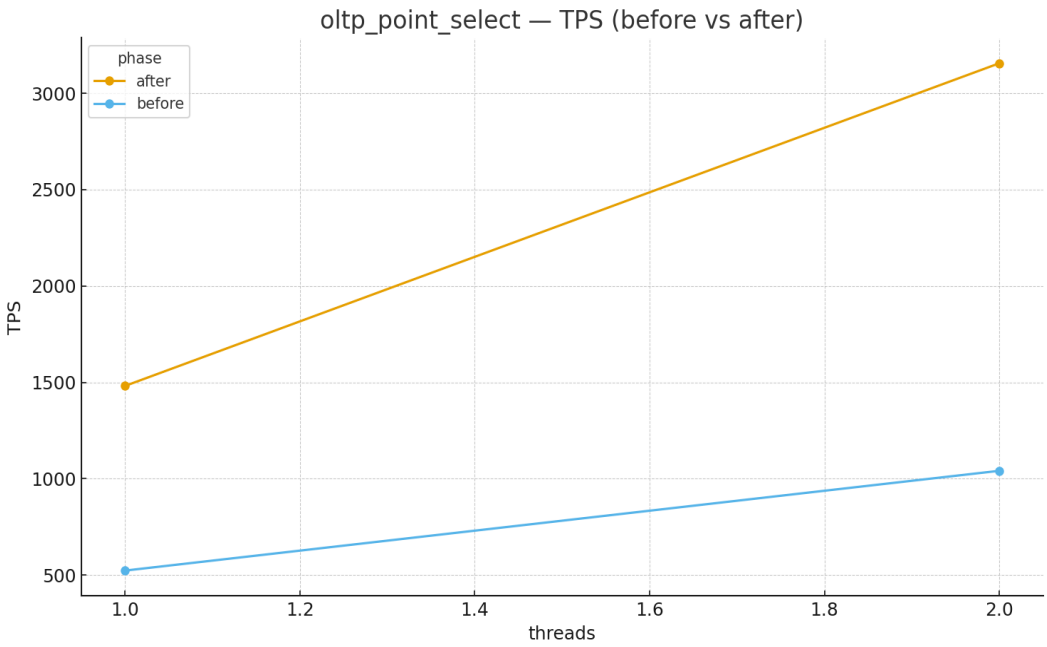
Sysbench MySQL Benchmark Report

This report compares MySQL performance **before and after tuning**. The data is collected using Sysbench benchmarks (`point_select`, `read_only`, and `read_write`) with different thread counts. Metrics observed are **transactions per second (TPS)** and **95th percentile latency**.

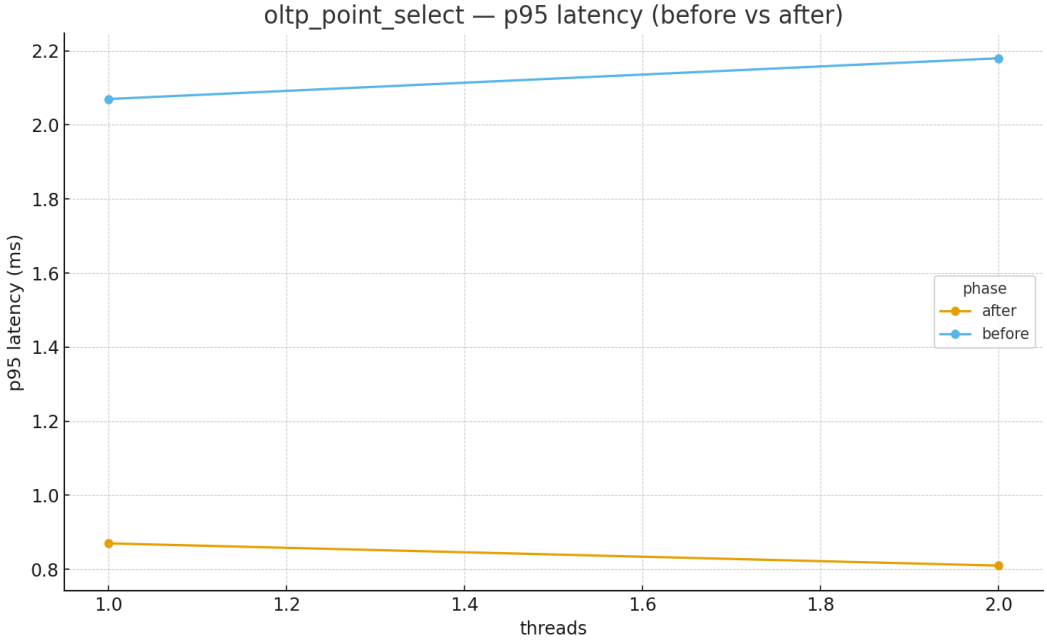
Summary of Improvements (Δ)

test	threads	tps_before	tps_after	tps_change_%	p95_before_ms	p95_after_ms	p95_reduction_%
oltp_point_select	1	523.39	1481.36	183.03	2.07	0.87	57.97
oltp_point_select	2	1041.15	3155.55	203.08	2.18	0.81	62.84
oltp_read_only	1	26.06	86.78	233.0	41.85	13.46	67.84
oltp_read_only	2	65.67	182.61	178.07	32.53	12.75	60.81
oltp_read_write	1	18.01	64.14	256.14	90.78	17.95	80.23
oltp_read_write	2	32.2	140.0	334.78	82.96	16.41	80.22

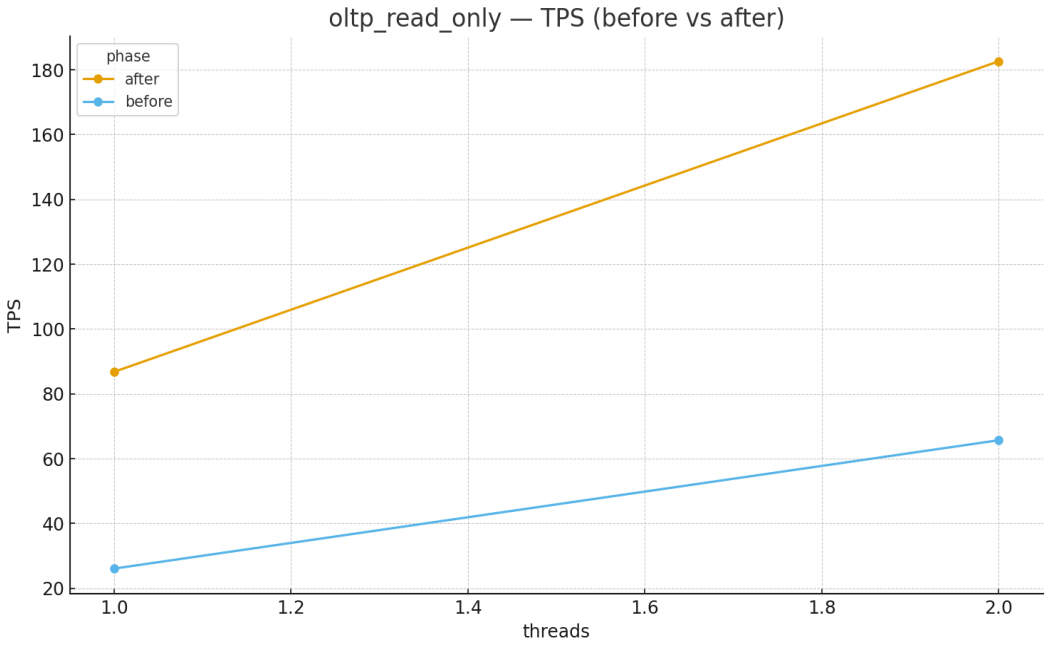
oltp_point_select — TPS



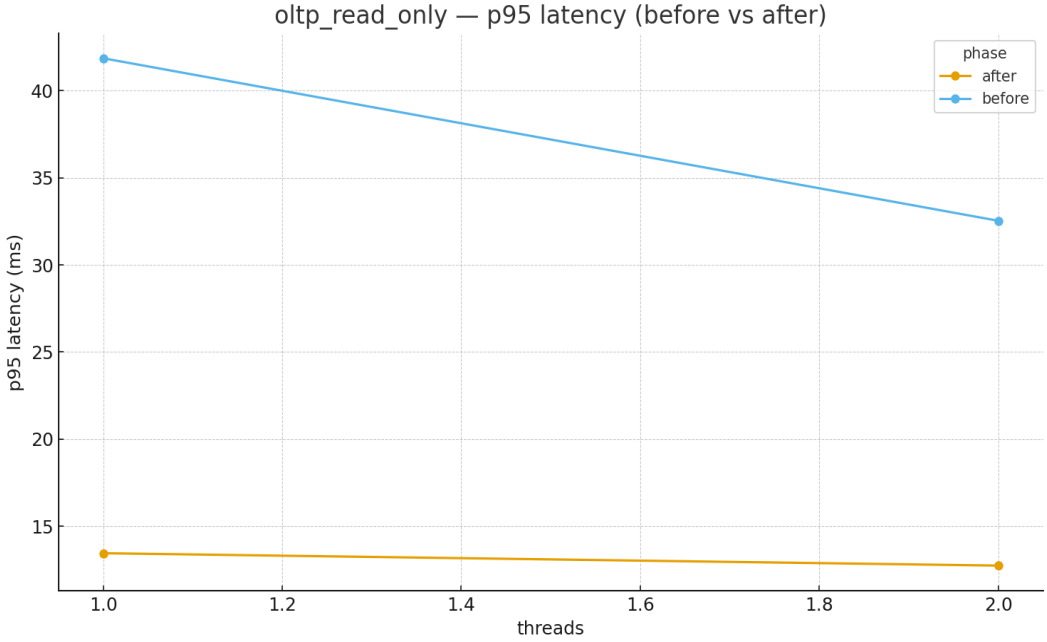
oltp_point_select — Latency



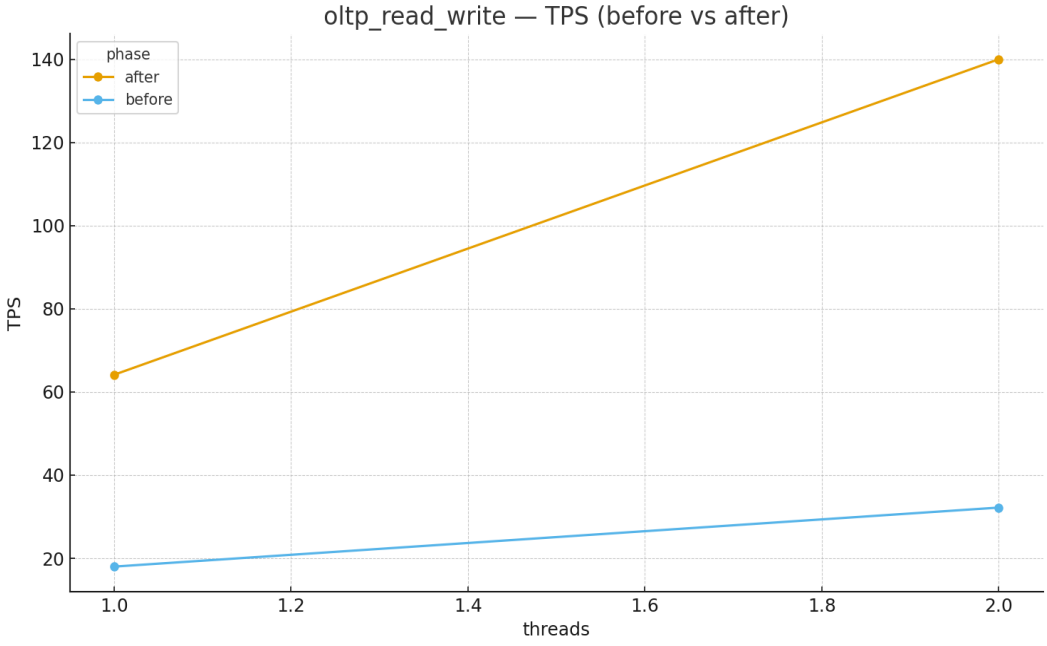
oltp_read_only — TPS



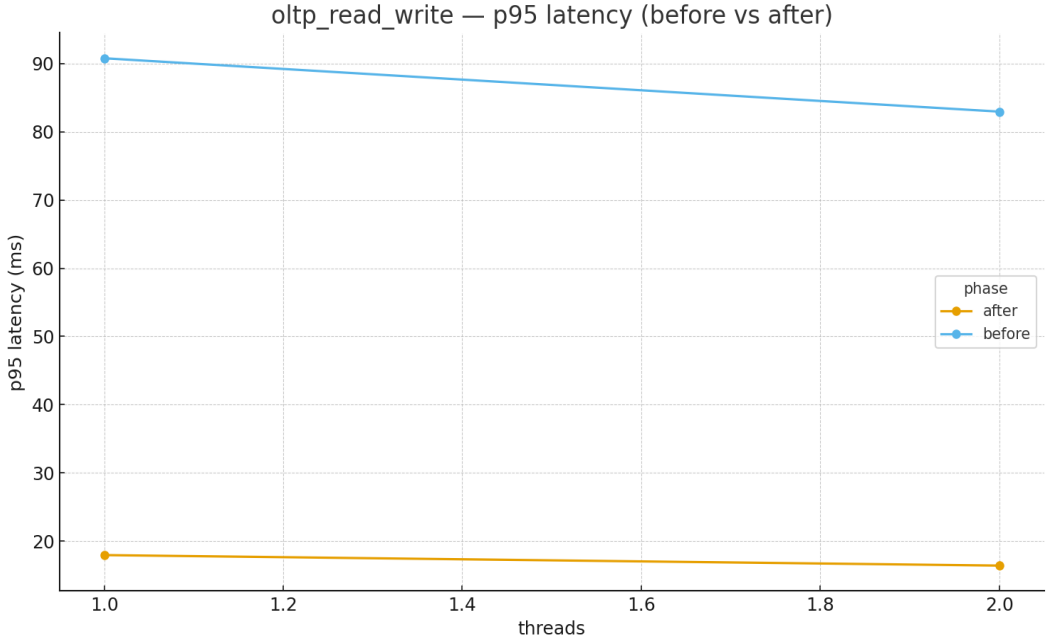
oltp_read_only — Latency



oltp_read_write — TPS



oltp_read_write — Latency



Overall, the tuned configuration shows significant improvements across all workloads. - TPS improved by **~200–330%** depending on workload and threads. - p95 latency reduced by **60–80%**, meaning queries respond much faster and more consistently. These results confirm that the applied MySQL tuning had a positive impact on performance.