

Options	Values
innodb_buffer_pool_size	256G
innodb_doublewrite	1
innodb_flush_method	O_DIRECT
innodb_flush_log_at_trx_commit	1
innodb_log_file_size	2 GB
innodb_thread_concurrency	64
innodb_max_dirty_pages_pct_lwm	10
innodb_read_ahead_threshold	0
innodb_buffer_pool_instances	16
thread_cache_size	256
max_binlog_size	500 MB
read_buffer_size	128 KB
read_rnd_buffer_size	128 KB
table_open_cache_instances	16

Table 2: Configurations of MySQL (InnoDB)

Options	Values
rocksdb_block_cache_size	170 GB
rocksdb_block_size	16384
rocksdb_max_total_wal_size	100 GB
rocksdb_max_background_jobs	15
rocksdb_max_subcompactions	1
target_file_size_base	256 MB
target_file_size_multiplier	1
level0_file_num_compaction_trigger	4
write_buffer_size	256 MB
max_write_buffer_number	4
max_bytes_for_level_multiplier	10
compression_per_level	No for all
num_levels	7 (default)
level_compaction_dynamic_level_bytes	True

Table 3: Configurations of MyRocks (RocksDB)

Options	Values
xengine_row_cache_size	45 GB
xengine_block_cache_size	170 GB
xengine_db_memtable_size	256 MB
xengine_db_total_memtable_size	100 GB
xengine_max_total_wal_size	100 GB
xengine_data_block_size	16384
xengine_max_compactions	8
xengine_max_flushes	3
xengine_max_memtable_number	2/sub-table
level0_extents_compaction_trigger	64
level1_extents_compaction_trigger	1000
xengine_compression	False
xengine_num_levels	3
xengine_thread_pool_size	128

Table 4: Configurations of MySQL (X-Engine)

“level0_extents_compaction_trigger” and “level1_extents_compaction_trigger” are the maximum number of extents in *Level₀* and *Level₁*, respectively. Compactions are triggered when thees threshold values are reached.

Lastly, “xengine_max_compactions” and “xengine_max_flushes” refer to the maximum number of compaction threads and flush threads running in X-Engine, respectively.