

MySQL Status Whitepaper

Queries Statistics

Queries per Second Average (qps)

Queries/Uptime

Data Manipulation Language (DML)

com_delete + com_insert + com_update + com_replace

DML should be smaller than QL

Query Language (QL)

com_select + qcache_hits

Efficiency

Lock Status

table_locks_waiting/table_locks_immediate **should be smaller than 0.3**

Query Cache Efficiency

qcache_hits/qcache_inserts **cache hit ratio should be greater than 3**

$qcache_hits / (qcache_hits + com_select) * 100$ = Percentage of SELECT queries which can be cached.

$Qcache_not_cached / (Qcache_not_cached + Qcache_inserts) * 100$ = Percentage not cacheable queries.

$(Com_select + Qcache_hits)/(Com_insert* + Com_update* + Com_delete* + Com_replace*)$
= Read/Write ratio

Key Buffer Efficiency

Key_read_requests **should be 1:100** and Key_writes / Key_write_requests **should always be less than 1**

Thread Cache Efficiency

$100 - ((\text{Threads_created} / \text{Connections}) * 100)$ **should be greater 99%**

Temp Table Efficiency

$(\text{Created_tmp_disk_tables} / (\text{Created_tmp_tables} + \text{Created_tmp_disk_tables})) * 100$ **should be small as possible**