

# MySQL Advanced Metrics

The Uptime Infrastructure Monitor MySQL Advanced Metrics monitor collects the following performance metrics from a MySQL database:

Metric	Explanation
Uptime	The number of seconds that MySQL has been running.
Questions	The number of queries that have been sent to the database.
Slow Queries	The number of queries that take longer than long_query_time to complete.
Open Tables	The number of database tables that are opened independently by each concurrent thread.
QPSA	The average number of queries, per second, that must be exceeded before Uptime Infrastructure Monitor generates an alert.
Bytes Received	The number of bytes received by the server.
Bytes Sent	The number of bytes sent by the server to all clients.
Delayed Insert Threads	The number of delayed insert threads that must be exceeded before Uptime Infrastructure Monitor sends an alert.
Delayed Errors	The number of delayed insert threads that had an error.
Max Used Connections	The maximum number of connections that have been in simultaneous use because the server was started.
Threads Connected	The maximum number of clients that can be connected to the database at any one time.
Threads Running	The number of threads that are running, which can be used to determine whether or not the database is becoming overloaded.
QCache Inserts	The number of queries added to the query cache.
QCache Hits	The number of hits to the query cache (qcache_hits) to determine the number of query results taken directly from the cache instead of executing them.
QCache Lowmem Prunes	The number of QCache_lowmem_prunes that can be deleted from the cache because of low memory.
QCache Not Cached	The maximum number of queries that are not cached.
QCache Free Memory	The amount of free memory for the query cache.
QCache Free Blocks	The number of free memory blocks in query cache.
QCache Table Blocks	The amount of query cache memory fragmentation.