

Sheet1

Query	MySQL 5.6	MySQL 8.0	MariaDB 10.2 o	MariaDB 10.2 N0	MariaDB 10.2 N1	MariaDB 10.2 N2	MariaDB 10.3
20927_00_myQ.sql	9.363	0.893	420.655	421.659	10.202	10.299	0.145
20927_20_myQ.sql	0.159	0.119	12.115	12.221	0.188	0.186	0.017
20927_30_myQ.sql	0.202	0.297	0.544	0.536	0.189	0.187	0.146

MySQL 5.6 (where eq_range_index_dive_limit defaults to 10)

MySQL 8.0 (where eq_range_index_dive_limit defaults to 200)

MariaDB 10.2 o is 10.2.15 Stable - eq_range_index_dive_limit is unlimited and is not defined, so not exposed or settable.

MariaDB 10.2 N0 is 10.2.18 commit 67b87e1d76a3ecaacb1606d8ddcc1f67f4b7faf6 Wed Sep 5 19:32:31 2018 +0100 with eq_range_index_dive_limit set to it's default value of 0, or unlimited

MariaDB 10.2 N1 is 10.2.18 commit 67b87e1d76a3ecaacb1606d8ddcc1f67f4b7faf6 Wed Sep 5 19:32:31 2018 +0100 with eq_range_index_dive_limit set to 10, like MySQL 5.6's default value

MariaDB 10.2 N1 is 10.2.18 commit 67b87e1d76a3ecaacb1606d8ddcc1f67f4b7faf6 Wed Sep 5 19:32:31 2018 +0100 with eq_range_index_dive_limit set to 200, like MySQL 8.0's default value

MariaDB 10.3 is 10.3.10 commit 90c4f5669d1564185513bdd26c7c229580db61e6 Wed Sep 5 19:45:52 2018 +0300 with eq_range_index_dive_limit set to 200, the default value here

20927_00_myQ.sql is the original full-size query as reported by the customer

20927_20_myQ.sql is an abbreviated query.

20927_30_myQ.sql is an abbreviated query manually suppressing the use of the index causing problems.

**All test times representative readings samples from 5 repetitions each. Variance approximately 0.4%.

**All tests performed on Amazon EC2 r5d.2xlarge instances with innodb_buffer_pool_size=32G, innodb_autoinc_lock_mode=2, and innodb_flush_log_at_trx_commit=1