MySQL Server Version Reference

Abstract

This document provides a single resource for summary information about MySQL server, including specific information on changes between different versions for options and variables, and summary tables showing the availability across MySQL series for several server features, such as operators and functions, `INFORMATION_SCHEMA` and Performance Schem tables, sys schema objects, keywords and reserved words, and build options.

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For help with using MySQL, please visit the MySQL Forums, where you can discuss your issues with other MySQL users.

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Chapter 1 mysqld Options and Variables

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The following table shows all the options and variables available in MySQL Server. The table contains these columns:

- **Name**: The item name.
- **Intr**: The version or versions in which the item was introduced. This column appears only if it applies to some item.
- **Depr**: The version or versions in which the item was deprecated. This column appears only if it applies to some item.
- **Removed**: The version or versions in which the item was removed. This column appears only if it applies to some item.
- **Cmd**: Whether the item is valid on the command line.
- **Cnf**: Whether the item is valid within a configuration file.
- **Srvr**: Whether the item is a server system variable.
- **Stat**: Whether the item is a status variable.
- **Scp**: The scope of the item (session-specific, global, or both). A value of `Varies` indicates that the scope varies across versions.
- **Dyn**: Whether the item is dynamically settable while the server is running. A value of `Varies` indicates that this attribute varies across versions.
- Whether the item is available in the corresponding MySQL Server release series. The indicator links to the item description in the main reference manual if more information is available.

  An item has a row in the table if it ever existed in any series shown in the table. The value displayed for a given series indicates item availability in that series:

  - Yes: The item is available in all production-ready General Availability (GA) versions. For a series that has not reached GA status, Yes indicates that the item is available in the most recently released pre-GA version.
  - Some: The item is available in some GA versions. This is the case if the item was introduced after the first GA version, or removed from some GA version.

- Blank: The item is not available in any GA version. Either it does not exist in the series, or existed in pre-GA versions but was removed before the series reached GA status.

Table 1.1 Option and Variable Reference

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
abort-slave-event-count		8.0.29		Yes	Yes					Yes	Yes	Yes			
Aborted_clients							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Aborted_connects							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Acl_cache_items_count							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
activate_all_roles_on_login	8.0.2			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
admin_address	8.0.14			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
admin_port	8.0.14			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
admin-ssl	8.0.21	8.0.26		Yes	Yes						Some	Yes	Yes	Yes	
admin_ssl_ca	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
admin_ssl_capath	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
admin_ssl_cert	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
admin_ssl_cipher	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
admin_ssl_crl	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
admin_ssl_crlpath	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
admin_ssl_key	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
admin_tls_ciphersuites	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
admin_tls_version	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
allow-suspicious-udfs				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
ansi				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
audit-log	5.7.9, 8.0.11			Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
audit_log_buffer_size	5.7.9, 8.0.11			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_compression	5.7.21, 8.0.11			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
audit_log_connection_policy	5.7.9, 8.0.11	8.0.34		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_current_session	5.7.9, 8.0.11					Yes		Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Audit_log_current_size	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_database	8.0.33			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Audit_log_direct_writes							Yes	Global	No			Yes	Yes	Yes	Yes
audit_log_disable	5.7.37, 8.0.28			Yes	Yes	Yes		Global	Yes	Some	Some	Yes	Yes	Yes	Yes
audit_log_encryption	5.7.21, 8.0.11			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Audit_log_event_max_drop_size	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Audit_log_events	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Audit_log_events_filtered	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Audit_log_events_lost	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Audit_log_events_written	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_include_accounts	5.7.9, 8.0.11	8.0.34		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_file	5.7.9, 8.0.11			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_filter_id	5.7.13, 8.0.11					Yes		Both	No	Some	Yes	Yes	Yes	Yes	Yes
audit_log_flush	5.7.9, 8.0.11					Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_flush_interval_seconds	8.0.34			Yes		Yes		Global	No		Some	Yes	Yes	Yes	Yes
audit_log_format	5.7.9, 8.0.11			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_format_unix_timestamp	5.7.35, 8.0.26			Yes	Yes	Yes		Global	Yes	Some	Some	Yes	Yes	Yes	Yes
audit_log_include_accounts	5.7.9, 8.0.11	8.0.34		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_max_size	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
audit_log_password_history_keep_days	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
audit_log_policy	5.7.9, 8.0.11	8.0.34		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_prune_seconds	8.0.24			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
audit_log_read_buffer_size	5.7.21, 8.0.11			Yes	Yes	Yes		Varies	Varies	Some	Yes	Yes	Yes	Yes	Yes
audit_log_rotate_on_size	5.7.9, 8.0.11			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_statement_policy	5.7.9, 8.0.11	8.0.34		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_strategy	5.7.9, 8.0.11			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Audit_log_total_size	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Audit_log_write_waits	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
authentication_fido_rp_id	8.0.27	8.0.35, 8.2.0		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	
authentication_kerberos_service_key_tab	8.0.26			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
authentication_kerberos_service_principal	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
authentication_ldap_sasl_auth_method_name	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_bind_base_dn	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_bind_root_dn	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_bind_root_pwd	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_ca_path	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_connect_timeout				Yes	Yes	Yes		Global	Yes			Yes	Yes	Yes	Yes
authentication_ldap_sasl_group_search_attr	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_group_search_filter	5.7.21, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_init_pool_size	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_log_status	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_max_pool_size	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_referral	8.0.20			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
authentication_ldap_sasl_response_timeout				Yes	Yes	Yes		Global	Yes			Yes	Yes	Yes	Yes
authentication_ldap_sasl_server_host	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_server_port	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
Authentication_ldap_sasl_supported_methods	8.0.21						Yes	Global	No		Some	Yes	Yes	Yes	Yes
authentication_ldap_sasl_tls	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_sasl_user_search_attr	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_auth_method_name	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
authentication_ldap_simple_bind_base_dn	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_bind_root_dn	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_bind_root_pwd	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_ca_path	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_connect_timeout				Yes	Yes	Yes		Global	Yes			Yes	Yes	Yes	Yes
authentication_ldap_simple_group_search_attr	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_group_search_filter	5.7.21, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_init_pool_size	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_log_status	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_max_pool_size	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_referral	8.0.20			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
authentication_ldap_simple_response_timeout				Yes	Yes	Yes		Global	Yes			Yes	Yes	Yes	Yes
authentication_ldap_simple_server_host	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_server_port	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_tls	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_ldap_simple_user_search_attr	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
authentication_policy	8.0.27			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
authentication_webauthn_rpid				Yes	Yes	Yes		Global	Yes				Yes	Yes	Yes
authentication_windows_log_level	5.7.19, 8.0.11			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
authentication_windows_use_principal_name	5.7.19, 8.0.11			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
auto_generate_certs	5.7.5			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
auto_increment_increment				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
auto_increment_offset				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
autocommit				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
automatic_sp_privileges				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
avoid_temporal_upgrade	5.7.6	5.6.24, 5.7.6		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
back_log				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
basedir				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
big_tables				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
bind_address				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Binlog_cache_disk_use							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
binlog_cache_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Binlog_cache_use							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
binlog-checksum				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
binlog_checksum				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog_direct_non_transactional_updates				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog-do-db				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
binlog_encryption	8.0.14			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
binlog_error_action		5.7.6		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog_expire_logs_auto_purge	8.0.29			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
binlog_expire_logs_seconds	8.0.1			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
binlog_format		8.0.34		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog_group_commit_sync_delay		5.7.5		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog_group_commit_sync_no_delay_count		5.7.5		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog_gtid_simple_recovery		5.7.6		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
binlog-ignore-db				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
binlog_max_flush_queue_time		5.7.9		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog_order_commits				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog_rotate_encryption_master_key_at_startup	8.0.14			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
binlog-row-event-max-size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
binlog_row_image				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binlog_row_metadata	8.0.1			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
binlog_row_value_options	8.0.3			Yes	Yes	Yes		Both	Yes		Yes	Yes	Yes	Yes	Yes
binlog_rows_query_log_events				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Binlog_stmt_cache_disk_use							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
binlog_stmt_cache_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Binlog_stmt_cache_use							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
binlog_transaction_compression	8.0.20			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
binlog_transaction_compression_level_zstd	8.0.20			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
binlog_transaction_dependency_history_size	5.7.22, 8.0.1			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
binlog_transaction_dependency_tracking	5.7.22, 8.0.1	8.0.35, 8.2.0		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	
binlog_ignore_db	5.7.5	5.6.22, 5.7.6		Yes	Yes	Yes		Both	Yes						
block_encryption_mode	5.7.4			Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
bootstrap		5.7.6		Yes	Yes					Yes					
build_id	8.0.31					Yes		Global	No		Some	Yes	Yes	Yes	Yes
bulk_insert_buffer_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bytes_received							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Bytes_sent							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
caching_sha2_password_auto_generate_rsa_keys	8.0.4			Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
caching_sha2_password_digest_rounds	8.0.24			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
caching_sha2_password_private_key_path	8.0.3			Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
caching_sha2_password_public_key_path	8.0.3			Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
Caching_sha2_password_rsa_public_key	8.0.4						Yes	Global	No		Yes	Yes	Yes	Yes	Yes
character_set_client						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
character-set-client-handshake		8.0.35, 8.2.0		Yes	Yes					Yes	Yes	Yes	Yes		
character_set_connection						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
character_set_database						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
character_set_filesystem				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
character_set_results						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
character_set_server				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
character_set_system						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
character_sets_dir				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
check_proxy_users	5.7.7			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
check_table_functions	8.0.42, 8.4.5			Yes	Yes						Some				Some
chroot				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
clone_autotune_concurrency	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_block_ddl	8.0.27			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_buffer_size	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_ddl_timeout	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_delay_after_data_drop	8.0.29			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
clone_donor_timeout_after_network_failure	8.0.24			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_enable_compression	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_max_concurrency	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_max_data_bandwidth	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_max_network_bandwidth	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_ssl_ca	8.0.14			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_ssl_cert	8.0.14			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_ssl_key	8.0.14			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
clone_valid_donor_list	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
collation_connection						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
collation_database						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
collation_server				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Com_admin_commands							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_db							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_db_upgrade							Yes	Both	No	Yes					
Com_alter_event							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_function							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_procedure							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_resource_group	8.0.3						Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_alter_server							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_table							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_tablespace							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_user							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_alter_user_default_role							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_analyze							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_assign_to_keycache							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_begin							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_binlog							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_call_procedure							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_change_db							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_change_master							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	
Com_change_repl_filter	5.7.3						Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_change_replication_source	8.0.23						Yes	Both	No		Some	Yes	Yes	Yes	Yes
Com_check							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_checksum							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_clone	8.0.2						Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_commit							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_db							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Com_create_event							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_function							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_index							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_procedure							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_resource_group	8.0.3						Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_create_role							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_create_server							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_table							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_trigger							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_udf							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_user							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_create_view							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_dealloc_sql							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_delete							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_delete_multi							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_do							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_db							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_event							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_function							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_index							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_procedure							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_resource_group	8.0.3						Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_drop_role							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_drop_server							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_table							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_trigger							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_user							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_drop_view							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_empty_query							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_execute_sql							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_explain_other	5.7.2						Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_flush							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_get_diagnostics							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_grant							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_grant_roles							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_group_replication_start	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_group_replication_stop	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_ha_close							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Com_ha_open							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_ha_read							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_help							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_insert							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_insert_select							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_install_component							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_install_plugin							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_kill							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_load							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_lock_tables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_optimize							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_preload_keys							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_prepare_sql							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_purge							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_purge_before_date							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_release_savepoint							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_rename_table							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_rename_user							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_repair							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_replace							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_replace_select							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_replica_start	8.0.22						Yes	Both	No		Some	Yes	Yes	Yes	Yes
Com_replica_stop	8.0.22						Yes	Both	No		Some	Yes	Yes	Yes	Yes
Com_reset							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_resignal							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_restart	8.0.4						Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Com_revoke							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_revoke_all							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_revoke_roles							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_rollback							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_rollback_to_savepoint							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_savepoint							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_select							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_set_option							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_set_resource_group	8.0.3						Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_set_role							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_show_authors							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_binary_log_status							Yes	Both	No				Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Com_show_binlog_events							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_binlogs							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_charsets							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_collations							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_contributors							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_create_db							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_create_event							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_create_func							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_create_proc							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_create_table							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_create_trigger							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_create_user		5.7.6					Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_databases							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_engine_logs							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_engine_mutex							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_engine_status							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_errors							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_events							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_fields							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_function_code							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_function_status							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_grants							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_keys							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_master_status		8.2.0					Yes	Both	No	Yes	Yes	Yes	Yes	Yes	
Com_show_ndb_status							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_open_tables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_plugins							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_privileges							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_procedure_code							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_procedure_status							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_processlist							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_profile							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_profiles							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_relaylog_events							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_replica_status		8.0.22					Yes	Both	No		Some	Yes	Yes	Yes	Yes
Com_show_replicas		8.0.22					Yes	Both	No		Some	Yes	Yes	Yes	Yes
Com_show_slave_hosts							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	
Com_show_slave_status							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Com_show_slave_status_nonblocking			5.7.6				Yes	Both	No						
Com_show_status							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_storage_engines							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_table_status							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_tables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_triggers							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_variables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_show_warnings							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_shutdown			5.7.9				Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_signal							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_slave_start							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	
Com_slave_stop							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	
Com_stmt_close							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_stmt_execute							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_stmt_fetch							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_stmt_prepare							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_stmt_reprepare							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_stmt_reset							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_stmt_send_long_data							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_truncate							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_uninstall_component							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Com_uninstall_plugin							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_unlock_tables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_update							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_update_multi							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_xa_commit							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_xa_end							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_xa_prepare							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_xa_recover							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_xa_rollback							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Com_xa_start							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
completion_type				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
component_masking.dictionaries_flush_interval_seconds				Yes	Yes	Yes		Global	No					Yes	Yes
component_masking.masking_database				Yes	Yes	Yes		Global	No					Yes	Yes
component_scheduler.enabled			8.0.34	Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Compression		8.0.18					Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Compression_algorithm			8.0.18				Yes	Global	No		Some	Yes	Yes	Yes	Yes
Compression_level			8.0.18				Yes	Global	No		Some	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
concurrent_insert				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
connect_timeout				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Connection_control_delay_generated	5.7.17, 8.0.1						Yes	Global	No	Some	Yes	Yes	Yes	Yes	Yes
connection_control_failed_connections_threshold	5.7.17, 8.0.1			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
connection_control_max_connection_delay	5.7.17, 8.0.1			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
connection_control_min_connection_delay	5.7.17, 8.0.1			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
Connection_errors_accept							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Connection_errors_internal							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Connection_errors_max_connections							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Connection_errors_peer_address							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Connection_errors_select							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Connection_errors_tcpwrap							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
connection_memory_chunk_size	8.0.28			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
connection_memory_limit	8.0.28			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
Connections							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
console				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
core-file				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
core_file						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
create_admin_listener_thread	8.0.14			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
Created_tmp_disk_tables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Created_tmp_files							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Created_tmp_tables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
cte_max_recursion_depth	8.0.3			Yes	Yes	Yes		Both	Yes		Yes	Yes	Yes	Yes	Yes
Current_tls_ca	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Current_tls_capath	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Current_tls_cert	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Current_tls_cipher	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Current_tls_ciphersuites	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Current_tls_crl	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Current_tls_crlpath	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Current_tls_key	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Current_tls_version	8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
daemon_memcached_enable_binlog	8.0.22			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
daemon_memcached_engine_lib_name	8.0.22			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
daemon_memcached_engine_lib_path		8.0.22		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
daemon_memcached_option		8.0.22		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
daemon_memcached_r_batch_size		8.0.22		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
daemon_memcached_w_batch_size		8.0.22		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
daemonize	5.7.6			Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
datadir				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
date_format			8.0.3			Yes		Global	No	Yes					
datetime_format			8.0.3			Yes		Global	No	Yes					
ddl-rewriter	8.0.16			Yes	Yes						Some	Yes	Yes	Yes	Yes
debug				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
debug_sync						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
debug-sync-timeout				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
default-authentication-plugin			5.7.2	Yes	Yes										
default_authentication_plugin	5.7.2	8.0.27		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	
default_collation_for_utf8mb4	8.0.11					Yes		Both	Yes		Yes	Yes	Yes	Yes	Yes
default_password_lifetime	5.7.4			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
default_storage_engine				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
default_table_encryption	8.0.16			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
default-time-zone				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
default_tmp_storage_engine				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
default_week_format				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
defaults-extra-file				Yes						Yes	Yes	Yes	Yes	Yes	Yes
defaults-file				Yes						Yes	Yes	Yes	Yes	Yes	Yes
defaults-group-suffix				Yes						Yes	Yes	Yes	Yes	Yes	Yes
delay_key_write				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Delayed_errors		5.6.7					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
delayed_insert_limit		5.6.7		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Delayed_insert_threads		5.6.7					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
delayed_insert_timeout		5.6.7		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
delayed_queue_size		5.6.7		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Delayed_writes		5.6.7					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Deprecated_use_i_s_processlist_count							Yes	Global	No					Yes	Yes
Deprecated_use_i_s_processlist_last_timestamp							Yes	Global	No					Yes	Yes
des-key-file		5.7.6	8.0.3	Yes	Yes					Yes					
disabled_partition-engine-check	5.7.17	5.7.17		Yes	Yes					Some					
disabled_storage_engines	5.7.8			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
disconnect_on_expired_password	5.7.1			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
disconnect-slave-event-count		8.0.29		Yes	Yes					Yes	Yes	Yes			
div_precision_increment				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
dragnet.log_error_filter_rules	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
dragnet.status	8.0.12						Yes	Global	No		Some	Yes	Yes	Yes	Yes
early-plugin-load	5.7.11			Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes
end_markers_in_json				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
enforce_gtid_consistency				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
enterprise_encryption.maximum_rsa_key_size	8.0.30			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
enterprise_encryption.rsa_support_legacy_padding	8.0.30			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
eq_range_index_dive_limit				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
error_count						Yes		Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Error_log_buffered_bytes	8.0.22						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Error_log_buffered_events	8.0.22						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Error_log_expired_events	8.0.22						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Error_log_latest_write	8.0.22						Yes	Global	No		Some	Yes	Yes	Yes	Yes
event_scheduler				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
executed_gtids_compression_period	5.7.5		5.7.6	Yes	Yes	Yes		Global	Yes						
exit-info				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
expire_logs_days		8.0.3		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes			
explain_format	8.0.32			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
explain_json_format_version				Yes	Yes	Yes		Both	Yes					Yes	Yes
explicit_defaults_for_timestamp		5.6.6		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
external-locking				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
external_user						Yes		Session	No	Yes	Yes	Yes	Yes	Yes	Yes
federated				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
Firewall_access_denied	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Firewall_access_granted	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Firewall_cached_entries	5.7.9, 8.0.11						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
flush				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Flush_commands							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
flush_time				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
foreign_key_checks						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ft_boolean_syntax				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ft_max_word_len				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ft_min_word_len				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ft_query_expansion_limit				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ft_stopword_file				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
gdb				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
general_log				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
general_log_file				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
generated_random_password_length	8.0.18			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
Global_connection_memory	8.0.28						Yes	Global	No		Some	Yes	Yes	Yes	Yes
global_connection_memory_limit	8.0.28			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
global_connection_memory_tracking	8.0.28			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
Gr_all_consensus_proposals_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_all_consensus_time_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_certification_garbage_collector_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_certification_garbage_collector_time_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_consensus_bytes_received_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_consensus_bytes_sent_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_control_messages_sent_bytes_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_control_messages_sent_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_control_messages_sent_roundtrip_time_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_data_messages_sent_bytes_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_data_messages_sent_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_data_messages_sent_roundtrip_time_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_empty_consensus_proposals_count							Yes	Both	No			Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Gr_extended_consensus_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_flow_control_throttle_active_count							Yes	Global	No			Yes	Yes	Yes	Yes
Gr_flow_control_throttle_count							Yes	Global	No			Yes	Yes	Yes	Yes
Gr_flow_control_throttle_last_throttle_timestamp							Yes	Global	No			Yes	Yes	Yes	Yes
Gr_flow_control_throttle_time_sum							Yes	Global	No			Yes	Yes	Yes	Yes
Gr_last_consensus_end_timestamp							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_total_messages_sent_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_transactions_consistency_after_sync_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_transactions_consistency_after_sync_time_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_transactions_consistency_after_termination_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_transactions_consistency_after_termination_time_sum							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_transactions_consistency_before_begin_count							Yes	Both	No			Yes	Yes	Yes	Yes
Gr_transactions_consistency_before_begin_time_sum							Yes	Both	No			Yes	Yes	Yes	Yes
group_concat_max_len				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_advertise_recovery_endpoints		8.0.21		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_allow_local_disjoint_gtids_join		5.7.17	5.7.21, 8.0.4	Yes	Yes	Yes		Global	Yes	Some					
group_replication_allow_local_lower_version_join		5.7.17	8.4.0	Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_auto_increment_increment		5.7.17		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_autorejoin_tries		8.0.16		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_bootstrap_group		5.7.17		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_clone_threshold		8.0.17		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_communication_debug_options		8.0.3		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_communication_max_message_size		8.0.16		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_communication_stack		8.0.27		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_compression_threshold		5.7.17		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_connections_stop_timeout		5.7.17		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_consistency		8.0.14		Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
group_replication_enforce_update_everywhere_checks		5.7.17		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_exit_state_action		5.7.24, 8.0.12		Yes	Yes	Yes		Global	Yes	Some	Some	Yes	Yes	Yes	Yes
group_replication_flow_control_applier_threshold		5.7.17		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_flow_control_certifier_threshold		5.7.17		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_flow_control_hold_percent		8.0.2		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_flow_control_max_quota		8.0.2		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_flow_control_member_quota_percent		8.0.2		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_flow_control_min_quota		8.0.2		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_flow_control_min_recovery_quota		8.0.2		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_flow_control_mode		5.7.17		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes

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group_replication_flow_control_period	8.0.2			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_flow_control_release_percent	8.0.2			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_force_members	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_group_name	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_group_seeds	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_gtid_assignment_block_size	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_ip_allowlist	8.0.22			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_ip_whitelist	5.7.17	8.0.22		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes		
group_replication_local_address	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_member_expel_timeout	8.0.13			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_member_weight	5.7.20, 8.0.2			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_message_cache_size	8.0.16			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_paxos_single_leader	8.0.27			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_poll_spin_loops	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_preemptive_garbage_collection				Yes	Yes	Yes		Global	Yes						Yes
group_replication_preemptive_garbage_collection_rows_threshold				Yes	Yes	Yes		Global	Yes						Yes
group_replication_primary_member	8.0.4						Yes	Global	No	Yes	Yes	Yes	Yes		
group_replication_recovery_complete_at	5.7.17	8.0.34		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	
group_replication_recovery_compression_algorithms	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_recovery_get_public_key	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_recovery_public_key_path	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
group_replication_recovery_reconnect_interval	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_retry_count	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_ssl_ca	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_ssl_capath	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_ssl_cert	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_ssl_cipher	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_ssl_crl	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_ssl_crlpath	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_ssl_key	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_ssl_verify_server_cert	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_tls_ciphersuites	8.0.19			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_recovery_tls_version	8.0.19			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_recovery_use_ssl	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_recovery_zstd_compression_level	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_single_primary_mode	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_ssl_mode	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
group_replication_start_on_boot	5.7.17			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_ssl_mode	8.0.21			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
group_replication_transaction_size_limit	5.7.19			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_unreachable_majority_timeout	5.7.19, 8.0.2			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
group_replication_view_change_uuid	8.0.26	8.3.0		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
gtid_executed						Yes		Varies	No	Yes	Yes	Yes	Yes	Yes	Yes
gtid_executed_compression_period	5.7.6			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gtid_mode				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
gtid_next						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gtid_owned						Yes		Both	No	Yes	Yes	Yes	Yes	Yes	Yes
gtid_purged						Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Handler_commit							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_delete							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_discover							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_external_lock							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_mrr_init							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_prepare							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_read_first							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_read_key							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_read_last							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_read_next							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_read_prev							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_read_rnd							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_read_rnd_next							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_rollback							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_savepoint							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_savepoint_rollback							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_update							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Handler_write							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
have_compress						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
have_crypt		5.7.6	8.0.3			Yes		Global	No	Yes					
have_dynamic_loading						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
have_geometry						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
have_openssl			8.0.26			Yes		Global	No	Yes	Yes	Yes	Yes	Yes	
have_profiling			5.6.8			Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
have_query_cache			5.7.20			Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
have_rtree_keys						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
have_ssl		8.0.26				Yes		Global	No	Yes	Yes	Yes	Yes	Yes	
have_statement_timeout	5.7.4					Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
have_symlink						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
help				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
histogram_generation_max_mem_size	8.0.2			Yes	Yes	Yes		Both	Yes		Yes	Yes	Yes	Yes	Yes
host_cache_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
hostname						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
identity						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ignore_builtin_innodb		5.5.22, 8.0.3		Yes	Yes	Yes		Global	No	Yes					
ignore-db-dir		5.7.16		Yes	Yes					Yes					
ignore_db_dirs		5.7.16				Yes		Global	No	Yes					
immediate_server_version		8.0.14				Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
information_schema_stats_expiry		8.0.3		Yes	Yes	Yes		Both	Yes		Yes	Yes	Yes	Yes	Yes
init_connect				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
init_file				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
init_replica		8.0.26		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
init_slave		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
initialize		5.7.6		Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
initialize-insecure		5.7.6		Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
innodb		5.6.21, 5.7.5		Yes	Yes					Yes	Yes	Yes	Yes		
innodb_adaptive_flushing				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_adaptive_flushing_lwm				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_adaptive_hash_index				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_adaptive_hash_index_parts		5.7.8		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_adaptive_max_sleep_delay				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_additional_mem_pool_size		5.6.3	5.7.4	Yes	Yes	Yes		Global	No						
innodb_api_bk_commit_interval		8.0.22		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes		
innodb_api_disable_rowlock		8.0.22		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
innodb_api_enable_binlog		8.0.22		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
innodb_api_enable_mdl		8.0.22		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
innodb_api_trx_level		8.0.22		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes		
innodb_autoextend_increment				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_autoinc_lock_mode				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_available_undo_logs		5.7.19, 8.0.2					Yes	Global	No	Yes					
innodb_background_drop_list_empty		5.7.10		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Innodb_buffer_pool_bytes_data							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_bytes_dirty							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_chunk_size	5.7.5			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_debug				Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_dump_at_shutdown				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_dump_now				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_dump_pct	5.7.2			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_dump_status							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_filename				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_instances	8.0.14			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_buffer_pool_load_abort				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_load_at_startup				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_pool_load_now				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_load_status							Yes	Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_pages_data							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_pages_dirty							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_pages_flushed							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_pages_free							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_pages_latched							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_pages_misc							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_pages_total							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_read_ahead							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_read_ahead_evicted							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_read_ahead_rnd							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_read_requests							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_reads							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_resize_status	5.7.5						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_resize_status_code	8.0.31						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_buffer_pool_resize_status_progress	8.0.31						Yes	Global	No		Some	Yes	Yes	Yes	Yes
innodb_buffer_pool_size				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_wait_free							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_buffer_pool_write_requests							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_change_buffer_max_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_change_buffering				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_change_buffering_debug				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_checkpoint_disable	8.0.2			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
innodb_checksum_algorithm				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
innodb_checksums		5.6.3		Yes	Yes	Yes		Global	No	Yes					
innodb_cmp_per_index_enabled				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_commit_concurrency				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_compress_debug		5.7.8		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_compression_failure_threshold_pct				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_compression_level				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_compression_pad_pct_max				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_concurrency_tickets				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_data_file_path				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_data_fsyncs							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_data_home_dir				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_data_pending_fsyncs							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_data_pending_reads							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_data_pending_writes							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_data_read							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_data_reads							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_data_writes							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_data_written							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_dblwr_pages_written							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_dblwr_writes							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ddl_buffer_size		8.0.27		Yes	Yes	Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
innodb_ddl_log_crash_reset_debug		8.0.3		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
innodb_ddl_threads		8.0.27		Yes	Yes	Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
innodb_deadlock_detect		5.7.15		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
innodb_dedicated_server		8.0.3		Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
innodb_default_row_format		5.7.9		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_directories		8.0.4		Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
innodb_disable_resize_buffer_pool_debug		5.7.6		Yes	Yes	Yes		Global	Yes	Yes					
innodb_disable_sort_file_cache				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_doublewrite				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
innodb_doublewrite_batch_size		8.0.20		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
innodb_doublewrite_dir		8.0.20		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
innodb_doublewrite_files		8.0.20		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
innodb_doublewrite_pages		8.0.20		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
innodb_extend_and_initialize		8.0.22		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_fast_shutdown				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
innodb_fil_make_page_dirty_debug				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_file_format	5.7.7			Yes	Yes	Yes		Global	Yes	Yes					
innodb_file_format_check	5.7.7			Yes	Yes	Yes		Global	No	Yes					
innodb_file_format_max	5.7.7			Yes	Yes	Yes		Global	Yes	Yes					
innodb_file_per_table				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_fill_factor	5.7.5			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_flush_log_at_timeout				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_flush_log_at_trx_commit				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_flush_method				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_flush_neighbors				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_flush_sync	5.7.8			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_flushing_avg_loops				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_force_load_corrupted				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_force_recovery				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_fsync_threshold	8.0.13			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_ft_aux_table						Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_cache_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_enable_diag_print				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_enable_stopword				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_max_token_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_min_token_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_num_word_optimize				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_result_cache_limit	5.7.2			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_server_stopword_table				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_sort_pll_degree				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_total_cache_size	5.7.2			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_ft_user_stopword_table				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_have_atomic_builtins							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_idle_flush_pct	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_io_capacity				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_io_capacity_max				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_large_prefix	5.7.7			Yes	Yes	Yes		Global	Yes	Yes					
innodb_limit_optimistic_insert_debug				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_lock_wait_timeout				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_locks_unsafe_for_binlog		5.6.3		Yes		Yes		Global	No	Yes					
innodb_log_buffer_size				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
innodb_log_checkpoint_fuzzy_now	8.0.13			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_log_checkpoint_now	5.7.2			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
innodb_log_checksum_algorithm	5.7.8		5.7.9	Yes	Yes	Yes		Global	Yes						
innodb_log_checksums	5.7.9			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_log_compressed_pages				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_log_file_size		8.0.30		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_log_files_in_group		8.0.30		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_log_group_home_dir				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_log_spin_cpu_abs_lwm		8.0.11		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
innodb_log_spin_cpu_pct_hwm		8.0.11		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
innodb_log_wait_for_flush_spin_hwm		8.0.11		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
Innodb_log_waits							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_log_write_ahead_size		5.7.4		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_log_write_requests							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_log_writer_threads		8.0.22		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Innodb_log_writes							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_lru_scan_depth				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_max_dirty_pages_pct				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_max_dirty_pages_pct_lwm				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_max_purge_lag				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_max_purge_lag_delay				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_max_undo_log_size		5.7.5		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_merge_threshold_set_all_debug		5.7.6		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_monitor_disable				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_monitor_enable				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_monitor_reset				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_monitor_reset_all				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_num_open_files							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_numa_interleave		5.7.9		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_old_blocks_pct				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_old_blocks_time				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_online_alter_log_max_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_open_files				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
innodb_optimize_fulltext_only				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_optimizer_trace_offset_storage		5.7.5	5.7.6	Yes	Yes	Yes		Session	Yes						
Innodb_os_log_fsyncs							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_os_log_pending_fsyncs							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_os_log_pending_writes							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_os_log_written							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_page_cleaners		5.7.4		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Innodb_page_size							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_page_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_pages_created							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_pages_read							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_pages_written							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_parallel_read_threads	8.0.14			Yes	Yes	Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
innodb_print_all_deadlocks				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_print_ddl_logs	8.0.3			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
innodb_purge_batch_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_purge_rseg_truncate_frequency	5.7.5			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_purge_threads				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_random_read_ahead				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_read_ahead_threshold				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_read_io_threads				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_read_only				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_redo_log_archive_dirs	8.0.17			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_redo_log_capacity	8.0.30			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_capacity_resized	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_checkpoint_lsn	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_current_lsn	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_enabled	8.0.21						Yes	Global	No		Some	Yes	Yes	Yes	Yes
innodb_redo_log_encrypt	8.0.1			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
Innodb_redo_log_flushed_to_disk_lsn	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_logical_size	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_physical_size	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_read_only	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_resize_status	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_redo_log_uuid	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
innodb_replication_delay				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_rollback_on_timeout				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_rollback_segments				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_row_lock_current_waits							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_row_lock_time							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_row_lock_time_avg							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_row_lock_time_max							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_row_lock_waits							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_rows_deleted							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_rows_inserted							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Innodb_rows_read							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_rows_updated							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_saved_page_number_debug				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_scan_directories	8.0.2	8.0.4		Yes	Yes	Yes		Global	No						
innodb_segment_reserve_factor	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_sort_buffer_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_spin_wait_delay				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_spin_wait_pause_multiplier	8.0.16			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_stats_auto_recalc				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_stats_include_delete_marked	5.7.17, 8.0.1			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
innodb_stats_method				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_stats_on_metadata				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_stats_persistent				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_stats_persistent_sample_pages				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_stats_sample_pages		5.6.3		Yes	Yes	Yes		Global	Yes	Yes					
innodb_stats_transient_sample_pages				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb-status-file				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
innodb_status_output		5.7.4		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_status_output_locks		5.7.4		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_strict_mode				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_support_xa		5.7.10		Yes	Yes	Yes		Both	Yes	Yes					
innodb_sync_array_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_sync_debug		5.7.8		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_sync_spin_loops				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_system_rows_deleted							Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_system_rows_inserted							Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_system_rows_read							Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_system_rows_updated							Yes	Global	No		Some	Yes	Yes	Yes	Yes
innodb_table_locks				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_temp_data_file_path		5.7.1		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_temp_tablespaces_dir		8.0.13		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
innodb_thread_concurrency				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_thread_sleep_delay				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_tmpdir		5.7.11		Yes	Yes	Yes		Both	Yes	Some	Yes	Yes	Yes	Yes	Yes
Innodb_truncated_status_writes							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_trx_purge_view_update_only_debug				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
innodb_trx_rseg_n_slots_debug				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_undo_directory				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_undo_log_encrypt	8.0.1			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
innodb_undo_log_truncate	5.7.5			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_undo_logs		5.7.19	8.0.2	Yes	Yes	Yes		Global	Yes	Yes					
innodb_undo_tablespaces		5.7.21 8.0.4		Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
Innodb_undo_tablespaces_active	8.0.14						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_undo_tablespaces_explicit	8.0.14						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_undo_tablespaces_implicit	8.0.14						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Innodb_undo_tablespaces_total	8.0.14						Yes	Global	No		Some	Yes	Yes	Yes	Yes
innodb_use_fdatasync	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
innodb_use_native_aio				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_use_sys_malloc		5.6.3	5.7.4	Yes	Yes	Yes		Global	No						
innodb_validate_tablespace_paths	8.0.21			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
innodb_version						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
innodb_write_io_threads				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
insert_id						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
install				Yes						Yes	Yes	Yes	Yes	Yes	Yes
install-manual				Yes						Yes	Yes	Yes	Yes	Yes	Yes
interactive_timeout				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
internal_tmp_disk_storage_engine		5.7.5	8.0.16	Yes	Yes	Yes		Global	Yes	Yes	Some				
internal_tmp_mem_storage_engine	8.0.2			Yes	Yes	Yes		Both	Yes		Yes	Yes	Yes	Yes	Yes
join_buffer_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keep_files_on_create				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Key_blocks_not_flushed							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Key_blocks_unused							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Key_blocks_used							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
key_buffer_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
key_cache_age_threshold				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
key_cache_block_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
key_cache_division_limit				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Key_read_requests							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Key_reads							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Key_write_requests							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Key_writes							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
keyring_aws_cmk_id		5.7.19 8.0.11		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
keyring_aws_conf_file	5.7.19, 8.0.11			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
keyring_aws_data_file	5.7.19, 8.0.11			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
keyring_aws_region	5.7.19, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
keyring_encrypted_file_data	5.7.21, 8.0.11	8.0.34		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	
keyring_encrypted_file_password	5.7.21, 8.0.11	8.0.34		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	
keyring_file_data	5.7.11	8.0.34		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	
keyring_hashicorp_auth_path	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_ca_path	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_caching	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_commit_auth_path	8.0.18			Yes		Yes		Global	No		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_commit_ca_path	8.0.18			Yes		Yes		Global	No		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_commit_caching	8.0.18			Yes		Yes		Global	No		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_commit_role_id	8.0.18			Yes		Yes		Global	No		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_commit_server_url	8.0.18			Yes		Yes		Global	No		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_commit_store_path	8.0.18			Yes		Yes		Global	No		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_role_id	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_secret_id	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_server_url	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
keyring_hashicorp_store_path	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
keyring-migration-destination	5.7.21, 8.0.4			Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes
keyring-migration-from-component				Yes	Yes										Yes
keyring-migration-host	5.7.21, 8.0.4			Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes
keyring-migration-password	5.7.21, 8.0.4			Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes
keyring-migration-port	5.7.21, 8.0.4			Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes
keyring-migration-socket	5.7.21, 8.0.4			Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
keyring-migration-source	5.7.21, 8.0.4			Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes
keyring-migration-to-component	8.0.24			Yes	Yes						Some	Yes	Yes	Yes	Yes
keyring-migration-user	5.7.21, 8.0.4			Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes
keyring_aes_ca_certificate	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_compartment	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_cryptographic_endpoint	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_key_file	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_key_fingerprint	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_management_endpoint	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_master_key	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_secrets_endpoint	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_tenancy	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_user	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_vaults_endpoint	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_aes_virtual_vault	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_file_data	5.7.12, 8.0.11			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
keyring_hashicorp_conf_dir	8.0.22	8.0.31		Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	
keyring_hashicorp_operations	5.7.21, 8.0.4					Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
language		5.5.0		Yes	Yes	Yes		Global	No	Yes		Yes	Yes	Yes	
large_files_support						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
large_page_size						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
large-pages				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
last_insert_id						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Last_query_cost							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Last_query_partial_plans							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
lc-messages				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
lc-messages-dir				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
lc_time_names				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
license						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes

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local_infile				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
local-service				Yes						Yes	Yes	Yes	Yes	Yes	Yes
lock_order	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_debug_loops	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_debug_missing_arc	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_debug_missing_key	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_debug_missing_unlock	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_dependencies	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_extra_dependencies	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_output_directory	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_print_txt	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_trace_loops	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_trace_missing_arc	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_trace_missing_key	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_order_trace_missing_unlock	8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
lock_wait_timeout				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Locked_connects	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
locked_in_memory						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
log_backward_compatible_user_definitions	5.7.6	5.7.9		Yes	Yes			Global	Yes						
log-bin				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
log_bin						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
log_bin_basename						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
log-bin-index				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
log_bin_trust_function_creators	8.0.34			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log_bin_use_v1_row_events	8.0.18			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes		
log_bin_trust_ssl_connections	5.7.9	8.0.11		Yes	Yes	Yes		Global	Yes	Yes					
log-error				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
log_error_filter_rules	8.0.2	8.0.4		Yes	Yes	Yes		Global	Yes						
log_error_services	8.0.2			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
log_error_suppression_list	8.0.13			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
log_error_verbosity	5.7.2			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log-isam				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
log_output				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
log_queries_not_using_indexes				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log-raw				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log_replica_updates	8.0.26			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
log-short-format				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
log_slave_updates		8.0.26		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
log-slow-admin-statements			5.7.1	Yes	Yes										
log_slow_admin_statements	5.7.1			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log_slow_extra	8.0.14			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
log_slow_replica_statements	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
log-slow-slave-statements			5.7.1	Yes	Yes										
log_slow_slave_statements	5.7.1	8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log_statement_unsafe_for_binlog	5.7.11	8.0.34		Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
log_syslog	5.7.5	8.0.2	8.0.13	Yes	Yes	Yes		Global	Yes	Yes	Some				
log_syslog_facility	5.7.5		8.0.13	Yes	Yes	Yes		Global	Yes	Yes	Some				
log_syslog_include_pid	5.7.5		8.0.13	Yes	Yes	Yes		Global	Yes	Yes	Some				
log_syslog_tag	5.7.5		8.0.13	Yes	Yes	Yes		Global	Yes	Yes	Some				
log-tc				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
log-tc-size				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
log_throttle_queries_not_using_indexes				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log_timestamps	5.7.2			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log-warnings		5.7.2	8.0.3	Yes	Yes	Yes		Global	Yes	Yes					
long_query_time				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
low_priority_updates				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
lower_case_file_system						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
lower_case_table_names				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
mandatory_roles	8.0.2			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
master-info-file		8.0.18		Yes	Yes					Yes	Yes	Yes	Yes		

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master_info_repository		8.0.23		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes		
master-retry-count		5.6.1		Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
master_verify_checksum		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_allowed_packet				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_binlog_cache_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max-binlog-dump-events				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
max_binlog_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_binlog_stmt_cache_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_connect_errors				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_connections				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_delayed_threads		5.6.7		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_digest_length		5.7.6		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
max_error_count				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_execution_time		5.7.8		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Max_execution_time_exceeded		5.7.8					Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Max_execution_time_set		5.7.8					Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Max_execution_time_set_failed		5.7.8					Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
max_heap_table_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_insert_delayed_threads		5.6.7				Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_join_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_length_for_sort_data		8.0.20		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_points_in_geometry		5.7.8		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_prepared_stmt_count				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_relay_log_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_seeks_for_key				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_sort_length				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_sp_recursion_depth				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_statement_time		5.7.4	5.7.8			Yes		Both	Yes						
Max_statement_time_exceeded		5.7.4	5.7.8				Yes	Both	No						
Max_statement_time_set		5.7.4	5.7.8				Yes	Both	No						
Max_statement_time_set_failed		5.7.4	5.7.8				Yes	Both	No						
max_tmp_tables		5.6.7	8.0.3			Yes		Both	Yes	Yes					
Max_used_connections							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Max_used_connections_time							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

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max_user_connections				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
max_write_lock_count				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mecab_charset	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
mecab_rc_file	5.7.6			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
memlock				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
metadata_locks_cache_size		5.7.4	8.0.13	Yes	Yes	Yes		Global	No	Yes	Some				
metadata_locks_hash_instances		5.7.4	8.0.13	Yes	Yes	Yes		Global	No	Yes	Some				
min_examined_row_limit				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
multi_range_count		5.6.7	8.0.3	Yes	Yes	Yes		Both	Yes	Yes					
myisam-block-size				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
myisam_data_pointer_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
myisam_max_sort_file_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
myisam_mmap_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
myisam_recover_options				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
myisam_repair_threads		5.7.38, 8.0.29	5.7.39, 8.0.30	Yes	Yes	Yes		Both	Yes	Some	Some				
myisam_sort_buffer_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
myisam_stats_method				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
myisam_use_mmap				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mysql_firewall_database				Yes	Yes	Yes		Global	No				Yes	Yes	Yes
mysql_firewall_mode		5.7.9, 8.0.11		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mysql_firewall_reload_interval_seconds				Yes	Yes	Yes		Global	No				Yes	Yes	Yes
mysql_firewall_trace		5.7.9, 8.0.11		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mysql-native-password		8.4.0		Yes	Yes										Yes
mysql_native_password_proxy_users			8.0.16	Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx				Yes	Yes					Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_aborted_clients							Yes	Global	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_address							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_bind_address		5.7.17		Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_bytes_received							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_bytes_received_compressed_payload							Yes	Both	No		Some	Yes	Yes	Yes	Yes
Mysqlx_bytes_received_uncompressed_frame							Yes	Both	No		Some	Yes	Yes	Yes	Yes
Mysqlx_bytes_sent							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Mysqlx_bytes_sent_compressed_payload	8.0.19						Yes	Both	No		Some	Yes	Yes	Yes	Yes
Mysqlx_bytes_sent_uncompressed_frame	8.0.19						Yes	Both	No		Some	Yes	Yes	Yes	Yes
Mysqlx_compression_algorithm	8.0.20						Yes	Session	No		Some	Yes	Yes	Yes	Yes
mysqlx_compression_algorithms	8.0.19			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Mysqlx_compression_level	8.0.20						Yes	Session	No		Some	Yes	Yes	Yes	Yes
mysqlx_connect_timeout	5.7.12			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_connection_accept_errors							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_connection_errors							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_connections_accepted							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_connections_closed							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_connections_rejected							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_crud_create_view							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_crud_delete							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_crud_drop_view							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_crud_find							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_crud_insert							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_crud_modify_view							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_crud_update							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_cursor_close							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_cursor_fetch							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_cursor_open							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
mysqlx_deflate_default_compression_level	8.0.20						Yes	Global	Yes		Some	Yes	Yes	Yes	Yes
mysqlx_deflate_max_client_compression_level	8.0.20						Yes	Global	Yes		Some	Yes	Yes	Yes	Yes
mysqlx_document_id_unique_prefix							Yes	Global	Yes		Yes	Yes	Yes	Yes	Yes
mysqlx_enable_hello_notice							Yes	Global	Yes		Yes	Yes	Yes	Yes	Yes
Mysqlx_errors_sent							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_errors_unknown_message_type							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_expect_close							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_expect_open							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_idle_worker_thread_timeout	5.7.12							Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_init_error							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_interactive_timeout	8.0.4							Global	Yes		Yes	Yes	Yes	Yes	Yes
mysqlx_zlib_default_compression_level	8.0.20							Global	Yes		Some	Yes	Yes	Yes	Yes
mysqlx_zlib_max_client_compression_level	8.0.20							Global	Yes		Some	Yes	Yes	Yes	Yes
mysqlx_max_allowed_packet	5.7.12							Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
mysqlx_max_connections	5.7.12							Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_messages_sent							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
mysqlx_min_worker_threads	5.7.12							Global	Yes	Some	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Mysqlx_notice_global_sent							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_notice_other_sent							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_notice_warning_sent							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_notified_by_group_replication							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_port							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_port	5.7.12			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
mysqlx_port_open_timeout	5.7.17			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_prep_deallocate							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_prep_execute							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_prep_prepare							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
mysqlx_read_timeout	8.0.4			Yes	Yes	Yes		Session	Yes		Yes	Yes	Yes	Yes	Yes
Mysqlx_rows_sent							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_sessions							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_sessions_accepted							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_sessions_closed							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_sessions_fatal_error							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_sessions_killed							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_sessions_rejected							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_socket							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_socket	5.7.15			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_accept_renegotiates							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_accepts							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_active							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_ssl_ca	5.7.12			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
mysqlx_ssl_capath	5.7.12			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
mysqlx_ssl_cert	5.7.12			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_cipher							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_ssl_cipher	5.7.12			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_cipher_list							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_ssl_crl	5.7.12			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
mysqlx_ssl_crlpath	5.7.12			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_ctx_verify_depth							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_ctx_verify_mode							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_finished_accepts							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_ssl_key	5.7.12			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_server_not_after							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_server_not_before							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_verify_depth							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Mysqlx_ssl_verify_mode							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_ssl_version							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_create_collection							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_create_collection_index							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_disable_notices							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_drop_collection							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_drop_collection_index							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_enable_notices							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_ensure_collection							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_execute_mysqlx							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_execute_sql							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_execute_xplugin							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_get_collection_options							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_kill_client							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_list_clients							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_list_notices							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_list_objects							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_modify_collection_options							Yes	Both	No		Yes	Yes	Yes	Yes	Yes
Mysqlx_stmt_ping							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_wait_timeout	8.0.4			Yes	Yes	Yes		Session	Yes		Yes	Yes	Yes	Yes	Yes
Mysqlx_worker_threads							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Mysqlx_worker_threads_active							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
mysqlx_write_timeout	8.0.4			Yes	Yes	Yes		Session	Yes		Yes	Yes	Yes	Yes	Yes
mysqlx_zstd_default_compression_level	8.0.20			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
mysqlx_zstd_max_client_compression_level	8.0.20			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
named_pipe				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
named_pipe_full_access_group	5.7.25, 8.0.14			Yes	Yes	Yes		Global	No	Some	Some	Yes	Yes	Yes	Yes
ndb-allow-copying-alter-table	5.7.10-ndb-7.5.0			Yes	Yes	Yes		Both	Yes	Some	Yes	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_deferred_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_deferred_count_recv	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_deferred_count_session							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_deferred_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_forced_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Ndb_api_adaptive_send_forced_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_forced_count_session							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_forced_count_slave	8.0.23-ndb-8.0.23						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_unforced_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_unforced_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_unforced_count_session							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_adaptive_send_unforced_count_slave	8.0.23-ndb-8.0.23						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_bytes_received_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_bytes_received_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_bytes_received_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_bytes_received_count_slave	8.0.23-ndb-8.0.23						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_bytes_sent_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_bytes_sent_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_bytes_sent_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_bytes_sent_count_slave	8.0.23-ndb-8.0.23						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_event_bytes_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_event_bytes_count_injector							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_event_data_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_event_data_count_injector							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_event_nondata_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_event_nondata_count_injector							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_pk_op_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_pk_op_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_pk_op_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_pk_op_count_slave	8.0.23-ndb-8.0.23						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_pruned_scan_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_pruned_scan_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_pruned_scan_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_pruned_scan_count_slave	8.0.23-ndb-8.0.23						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Ndb_api_range_scan_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_range_scan_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_range_scan_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_range_scan_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_read_row_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_read_row_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_read_row_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_read_row_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_scan_batch_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_scan_batch_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_scan_batch_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_scan_batch_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_table_scan_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_table_scan_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_table_scan_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_table_scan_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_abort_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_abort_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_trans_abort_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_abort_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_close_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_close_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_trans_close_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_close_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_commit_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_commit_count_replica	8.0.23-ndb-8.0.23						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_trans_commit_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_commit_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Ndb_api_trans_local_read_row_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_local_read_row_count_replica		8.0.23-ndb-8.0.23					Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_trans_local_read_row_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_local_read_row_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_start_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_start_count_replica		8.0.23-ndb-8.0.23					Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_trans_start_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_trans_start_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_uk_op_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_uk_op_count_replica		8.0.23-ndb-8.0.23					Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_uk_op_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_uk_op_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_exec_complete_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_exec_complete_count_replica		8.0.23-ndb-8.0.23					Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_wait_exec_complete_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_exec_complete_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_meta_request_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_meta_request_count_replica		8.0.23-ndb-8.0.23					Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_wait_meta_request_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_meta_request_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_nanos_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_nanos_count_replica		8.0.23-ndb-8.0.23					Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_wait_nanos_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_nanos_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_scan_result_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_scan_result_count_replica		8.0.23-ndb-8.0.23					Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_api_wait_scan_result_count_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_api_wait_scan_result_count_slave		8.0.23-ndb-8.0.23					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
ndb-applier-allow-skip-epoch	8.0.28-ndb-8.0.28			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
ndb_autoincrement_prefetch_sz				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-batch-size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-blob-read-batch-bytes				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-blob-write-batch-bytes				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_cache_check_time		5.7.20-ndb-8.0.1		Yes	Yes	Yes		Global	Yes	Yes					
ndb_clear_apply_status				Yes		Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-cluster-connection-pool				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb-cluster-connection-pool-nodeids	5.7.10-ndb-7.5.0			Yes	Yes	Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
Ndb_cluster_node_id							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_config_from_host							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_config_from_port							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_config_generation	8.0.24-ndb-8.0.24						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_conflict_fn_epoch							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_fn_epoch_trans							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_fn_epoch2							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_fn_epoch2_trans							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_fn_max							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_fn_max_del_win							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_fn_max_del_win_ins	8.0.30-ndb-8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Ndb_conflict_fn_max_ins	8.0.30-ndb-8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_conflict_fn_old							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_last_conflict_epoch							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_last_stable_epoch							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_reflected_op_discard_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_reflected_op_prepare_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_refresh_op_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_conflict_role	8.0.23-ndb-8.0.23			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Ndb_conflict_trans_conflict_commit_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_trans_detect_iter_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_trans_reject_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_trans_row_conflict_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_conflict_trans_row_reject_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb-connectstring				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
ndb_data_node_neighbors	5.7.12-ndb-7.5.2			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
ndb_dbg_check_shares	8.0.13-ndb-8.0.13			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
ndb-default-column-format	5.7.11-ndb-7.5.1			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
ndb_default_column_format	5.7.11-ndb-7.5.1			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
ndb-deferred-constraints				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_deferred_constraints				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-distribution				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_distribution				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_epoch_delete_delete_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_eventbuffer_free_percent				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_eventbuffer_max_alloc				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_execute_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_extra_logging				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_fetch_table_stats	8.0.27-ndb-8.0.27						Yes	Global	No		Some	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
ndb_force_send				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_full_duplicate_replicated	5.7.12-ndb-7.5.2			Yes	Yes	Yes		Both	Yes	Some	Yes	Yes	Yes	Yes	Yes
ndb_index_stat_enable				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_index_stat_option				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_join_pushdown						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_last_commit_epoch_server							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_last_commit_epoch_session							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb-log-apply-status				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_apply_status				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_bin				Yes		Yes		Both	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_binlog_index				Yes		Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_cache_size	8.0.40-ndb_8.0.40, 8.4.3-ndb-8.4.3			Yes	Yes	Yes		Global	Yes		Some				Some
ndb-log-empty-epochs				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_empty_epochs				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-log-empty-update				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_empty_update				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-log-exclusive-reads				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_exclusive_reads				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-log-fail-terminate	5.7.29-ndb-7.6.14, 8.0.21-ndb-8.0.21			Yes	Yes	Yes		Global	No	Some	Some	Yes	Yes	Yes	Yes
ndb-log-orig				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_orig				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_transaction_compression	8.0.31-ndb-8.0.31			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
ndb_log_transaction_compression_level_zstd	8.0.31-ndb-8.0.31			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
ndb-log-transaction-dependency	8.0.33-ndb-8.0.33			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
ndb-log-transaction-id				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_log_transaction_id						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb-log-update-as-write				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-log-update-minimal	5.7.18-ndb-7.6.3			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
ndb-log-updated-only				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_metadata_blacklist_size	8.0.18-ndb-8.0.18	8.0.21-ndb-8.0.21	8.0.22-ndb-8.0.22				Yes	Global	No		Some				
ndb_metadata_check	8.0.16-ndb-8.0.16			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
ndb_metadata_check_interval	8.0.16-ndb-8.0.16			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Ndb_metadata_detected_count	8.0.16-ndb-8.0.16						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Ndb_metadata_excluded_count	8.0.18-ndb-8.0.22						Yes	Global	No		Some	Yes	Yes	Yes	Yes
ndb_metadata_sync	8.0.19-ndb-8.0.19					Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Ndb_metadata_synced_count	8.0.18-ndb-8.0.18						Yes	Global	No		Some	Yes	Yes	Yes	Yes
ndb-mgm-tls	8.3.0-ndb-8.3.0			Yes	Yes	Yes		Global	No					Some	Yes
ndb-mgmd-host				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
ndb-nodeid				Yes	Yes		Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Ndb_number_of_data_nodes							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb-optimization-delay				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-optimized-node-selection				Yes						Yes	Yes	Yes	Yes	Yes	Yes
ndb_optimized_node_selection				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_pruned_scan_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_pushed_queries_defined							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_pushed_queries_dropped							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_pushed_queries_executed							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_pushed_reads							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_read_backup	5.7.12-ndb-7.5.2			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
ndb_recv_thread_activation_threshold				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_recv_thread_cpu_mask				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_replica_batch_size	8.0.30-ndb-8.0.30			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
ndb_replica_blob_write_batch_bytes	8.0.30-ndb-8.0.30			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Ndb_replica_max_replicated_epoch		8.0.23-ndb-8.0.23				Yes		Global	No		Yes	Yes	Yes	Yes	Yes
ndb_report_thresh_binlog_epoch_slip				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_report_thresh_binlog_mem_usage				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_row_checksum	5.7.23-ndb-7.6.8					Yes		Both	Yes	Some	Yes	Yes	Yes	Yes	Yes
Ndb_scan_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_schema_dist_lock_wait_timeout	8.0.18-ndb-8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
ndb-schema-dist-timeout	8.0.17-ndb-8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
ndb_schema_dist_timeout	8.0.16-ndb-8.0.16			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
ndb_schema_dist_upgrade_allowed	8.0.17-ndb-8.0.17			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
Ndb_schema_participant_count	8.0.42, 8.4.5					Yes		Global	No		Some				Some
ndb_show_foreign_key_mock_tables				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
ndb_slave_conflict_role		8.0.23-ndb-8.0.23		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_slave_max_replicated_epoch							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ndb_system_name		5.7.18-ndb-7.6.2				Yes		Global	No	Some	Yes	Yes	Yes	Yes	Yes
ndb_table_no_logging						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_table_temporary						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb-tls-search-path	8.3.0-ndb-8.3.0			Yes	Yes	Yes		Global	No					Some	Yes
Ndb_total_hint_count_session		8.0.17-ndb-8.0.17					Yes	Both	No		Some	Yes	Yes	Yes	Yes
ndb-transid-mysql-connection-map				Yes						Yes	Yes	Yes	Yes	Yes	Yes
ndb_use_copying_alter_table						Yes		Both	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_use_exact_count						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_use_transactions				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_version						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb_version_string						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb-wait-connected				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndb-wait-setup				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndbcluster				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
ndbinfo	8.0.13-ndb-8.0.13			Yes							Some	Yes	Yes	Yes	Yes
ndbinfo_database						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndbinfo_max_bytes				Yes		Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndbinfo_max_rows				Yes		Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndbinfo_offline						Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndbinfo_show_hidden				Yes		Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndbinfo_table_prefix						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ndbinfo_version						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
net_buffer_length				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
net_read_timeout				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
net_retry_count				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
net_write_timeout				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
new		8.0.35, 8.2.0		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	
ngram_token_size	5.7.6			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
no-dd-upgrade	8.0.4	8.0.16		Yes	Yes						Yes	Yes	Yes	Yes	
no-defaults				Yes						Yes	Yes	Yes	Yes	Yes	Yes
no-monitor	8.0.12			Yes	Yes						Some	Yes	Yes	Yes	Yes
Not_flushed_delayed_rows		5.6.7					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
offline_mode	5.7.5			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
old		8.0.35, 8.2.0		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	
old_alter_table				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
old_passwords		5.7.6	8.0.11	Yes	Yes	Yes		Both	Yes	Yes					
old-style-user-limits		8.0.30		Yes	Yes					Yes	Yes	Yes	Yes		
Ongoing_anonymous_gtid_violating_transaction_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ongoing_anonymous_transaction_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ongoing_automatic_gtid_violating_transaction_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Open_files							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
open_files_limit				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Open_streams							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Open_table_definitions							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Open_tables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Opened_files							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Opened_table_definitions							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Opened_tables							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
optimizer_prune_level				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
optimizer_search_depth				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
optimizer_switch				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
optimizer_trace				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
optimizer_trace_features				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
optimizer_trace_limit				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
optimizer_trace_max_mem_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
optimizer_trace_offset				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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original_commit_timestamp	8.0.1					Yes		Session	Yes		Yes	Yes	Yes	Yes	Yes
original_server_version	8.0.14					Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
parser_max_mem_size	5.7.12			Yes	Yes	Yes		Both	Yes	Some	Yes	Yes	Yes	Yes	Yes
partial_revokes	8.0.16			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
partition		5.7.16		Yes	Yes					Yes					
password_history	8.0.3			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
password_require_current	8.0.13			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
password_reuse_interval	8.0.3			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
performance_schema				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_accounts_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_accounts_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_cond_classes_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_cond_instances_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-stages-current				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-stages-history				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-stages-history-long				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-statements-cpu	8.0.28			Yes	Yes						Some	Yes	Yes	Yes	Yes
performance-schema-consumer-events-statements-current				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
performance-schema-consumer-events-statements-history				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-statements-history-long				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-transactions-current	5.7.3			Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-transactions-history	5.7.3			Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-transactions-history-long	5.7.3			Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-waits-current				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-waits-history				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-events-waits-				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
history-long															
performance-schema-consumer-global-instrumentation				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-statements-digest				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-consumer-thread-instrumentation				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_digest_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_digests_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_error_size				Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
performance_schema_events_stages_history_long_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_events_stages_history_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_events_statements_history_long_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_events_statements_history_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_events_transactions_history_long_size	5.7.3			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_events_transactions_history_size	5.7.3			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_events_waits_history_long_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_events_waits_history_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_file_classes_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_file_handles_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_file_instances_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_hosts_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_hosts_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_index_stat_lost	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance-schema-instrument				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_locker_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_cond_classes				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_cond_instances				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_digest_length	5.7.8			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_digest_sample_age	8.0.3			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
performance_schema_max_files_classes				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_files_handles				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_files_instances				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_index_stat	5.7.6			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_memory_classes	5.7.2			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_metadata_locks	5.7.3			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_meter_classes				Yes	Yes	Yes		Global	No				Yes	Yes	Yes
performance_schema_max_metric_classes				Yes	Yes	Yes		Global	No				Yes	Yes	Yes
performance_schema_max_mutex_classes				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_mutex_instances				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_prepared_statements_instances	5.7.4			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_program_instances	5.7.2			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_rwlock_classes				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_rwlock_instances				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_socket_classes				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_socket_instances				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_sql_text_length	5.7.6			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_stage_classes				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_statement_classes				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_statement_stack	5.7.2			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_table_handles				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_table_instances				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_table_lock_stat	5.7.6			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_thread_classes				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_max_thread_instances				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_memory_classes_lost	5.7.2						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_metadata_lock_lost	5.7.3						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_meter_lost							Yes	Global	No				Yes	Yes	Yes
Performance_schema_metric_lost							Yes	Global	No				Yes	Yes	Yes
Performance_schema_mutex_classes_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_mutex_instances_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_nested_statement_lost	5.7.2						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_prepared_statements_lost	5.7.4						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_program_lost	5.7.2						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_rwlock_classes_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_rwlock_instances_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_session_connect_attrs_longest_seen							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_session_connect_attrs_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
performance_schema_session_connect_attrs_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_setup_actors_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_setup_objects_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_show_processlist	5.7.39, 8.0.22	8.0.35, 8.2.0		Yes	Yes	Yes		Global	Yes	Some	Some	Yes	Yes	Yes	Yes
Performance_schema_socket_classes_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_socket_instances_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_stage_classes_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_statement_classes_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_table_handles_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_table_instances_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_table_lock_stat_lost	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_thread_classes_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_thread_instances_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Performance_schema_users_lost							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
performance_schema_users_size				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
persist_only_admin_x509_subject	8.0.14			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
persist_sensitive_variables_in_plaintext	8.0.29			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
persisted_globals_load				Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
pid_file				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
plugin_dir				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
plugin-load				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
plugin-load-add				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
plugin-xxx				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
port				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
port-open-timeout				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
preload_buffer_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Prepared_stmt_count							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
print-defaults				Yes						Yes	Yes	Yes	Yes	Yes	Yes
print_identified_with_as_hex	8.0.17			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
profiling		5.6.8				Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
profiling_history_size		5.6.8		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
protocol_compression_algorithms	8.0.18			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes

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protocol_version						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
proxy_user						Yes		Session	No	Yes	Yes	Yes	Yes	Yes	Yes
pseudo_replica_mode	8.0.26					Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
pseudo_slave_mode	8.0.26					Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
pseudo_thread_id						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Qcache_free_blocks		5.7.20	8.0.3				Yes	Global	No	Yes					
Qcache_free_memory		5.7.20	8.0.3				Yes	Global	No	Yes					
Qcache_hits		5.7.20	8.0.3				Yes	Global	No	Yes					
Qcache_inserts		5.7.20	8.0.3				Yes	Global	No	Yes					
Qcache_lowmem_prunes		5.7.20	8.0.3				Yes	Global	No	Yes					
Qcache_not_cached		5.7.20	8.0.3				Yes	Global	No	Yes					
Qcache_queries_in_cache		5.7.20	8.0.3				Yes	Global	No	Yes					
Qcache_total_blocks		5.7.20	8.0.3				Yes	Global	No	Yes					
Queries							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
query_alloc_block_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
query_cache_limit		5.7.20	8.0.3	Yes	Yes	Yes		Global	Yes	Yes					
query_cache_min_res_unit		5.7.20	8.0.3	Yes	Yes	Yes		Global	Yes	Yes					
query_cache_size		5.7.20	8.0.3	Yes	Yes	Yes		Global	Yes	Yes					
query_cache_type		5.7.20	8.0.3	Yes	Yes	Yes		Both	Yes	Yes					
query_cache_wlock_invalidate		5.7.20	8.0.3	Yes	Yes	Yes		Both	Yes	Yes					
query_prealloc_size		8.0.29		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Questions							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
rand_seed1						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
rand_seed2						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
range_alloc_block_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
range_optimizer_max_mem_size		5.7.9		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
rbr_exec_mode		5.7.1				Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
read_buffer_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
read_only				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
read_rnd_buffer_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
regexp_stack_limit		8.0.4		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
regexp_time_limit		8.0.4		Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
relay_log				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
relay_log_basename						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
relay_log_index				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
relay_log_info_file		8.0.18		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes		
relay_log_info_repository		8.0.23		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes		
relay_log_purge				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
relay_log_recovery				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
relay_log_space_limit				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
remove				Yes						Yes	Yes	Yes	Yes	Yes	Yes
replica_allow_batching	8.0.26-ndb-8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_checkpoint_group	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_checkpoint_period	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_compressed_protocol	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_exec_mode	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_load_tmpdir	8.0.26			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
replica_max_allowed_packet	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_net_timeout	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Replica_open_temp_tables	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
replica_parallel_level	8.0.26	8.0.29		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_parallel_workers	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_pending_jobs_size_max	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_preserve_commit_order	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Replica_rows_last_search_algorithm_used	8.0.26						Yes	Global	No		Some	Yes	Yes		
replica_skip_errors	8.0.26			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
replica_sql_verify_checksum	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_transaction_retries	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replica_type_conversions	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
replicate-do-db				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
replicate-do-table				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
replicate-ignore-db				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
replicate-ignore-table				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
replicate-rewrite-db				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
replicate-same-server-id				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes

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replicate-wild-do-table				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
replicate-wild-ignore-table				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
replication_optimize_for_static_plugin_config	5.7.33, 8.0.23			Yes	Yes	Yes		Global	Yes	Some	Some	Yes	Yes	Yes	Yes
replication_sender_observe_commit_only	5.7.33, 8.0.23			Yes	Yes	Yes		Global	Yes	Some	Some	Yes	Yes	Yes	Yes
report_host				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
report_password				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
report_port				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
report_user				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
require_row_format	8.0.19					Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
require_secure_transport	5.7.8			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Resource_group_supported	8.0.31						Yes	Global	No		Some	Yes	Yes	Yes	Yes
restrict_fk_on_non_standard_key	8.4.0			Yes	Yes	Yes		Both	Yes						Yes
resultset_metadata	8.0.3					Yes		Session	Yes		Yes	Yes	Yes	Yes	Yes
rewriter_enabled	5.7.6					Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
rewriter_enabled_for_threads_without_privilege_checks	8.0.31					Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Rewriter_number_loaded_rules	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rewriter_number_reloads	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rewriter_number_rewritten_queries	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rewriter_reload_error	5.7.6						Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
rewriter_verbose	5.7.6					Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
rpl_read_size	8.0.11			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_clients							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
rpl_semi_sync_master_enabled				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_net_avg_wait_time							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_net_wait_time							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_net_waits							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_no_times							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_no_tx							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_status							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_timefunc_failures							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
rpl_semi_sync_master_timeout				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
rpl_semi_sync_master_trace_level				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Rpl_semi_sync_master_tx_avg_wait_time				Yes			Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_tx_wait_time							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_tx_waits							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
rpl_semi_sync_master_wait_for_slave_count	5.7.3			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
rpl_semi_sync_master_wait_no_slave				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
rpl_semi_sync_master_wait_point	5.7.2			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_wait_pos_backtraversed							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_wait_sessions							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_master_yes_tx							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
rpl_semi_sync_replica_enabled	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_replica_status	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
rpl_semi_sync_replica_trace_level	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
rpl_semi_sync_slave_enabled				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_slave_status							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
rpl_semi_sync_slave_trace_level				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_clients	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
rpl_semi_sync_source_enabled	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_net_avg_wait_time	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_net_wait_time	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_net_waits	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_no_times	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_no_tx	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_status	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_timefunc_failures	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
rpl_semi_sync_source_timeout	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
rpl_semi_sync_source_trace_level	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_tx_avg_wait_time	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_tx_wait_time	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_tx_waits	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
rpl_semi_sync_source_wait_for_replica_count	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
rpl_semi_sync_source_wait_no_replica	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
rpl_semi_sync_source_wait_point	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_wait_pos_backtraversed	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_wait_sessions	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Rpl_semi_sync_source_yes_tx	8.0.26						Yes	Global	No		Some	Yes	Yes	Yes	Yes
rpl_stop_replica_timeout	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
rpl_stop_slave_timeout	5.7.2	8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Rsa_public_key		8.0.16					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

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safe-user-create		8.0.11		Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
schema_definition_cache				Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
secondary_engine_cost_threshold		8.0.16		Yes				Session	Yes		Some	Yes	Yes	Yes	Yes
Secondary_engine_execution_count		8.0.13					Yes	Both	No		Some	Yes	Yes	Yes	Yes
secure_auth		5.7.5	8.0.3	Yes	Yes	Yes		Global	Yes	Yes					
secure_file_priv				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Select_full_join							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Select_full_range_join							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
select_into_buffer_size		8.0.22		Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
select_into_disk_sync		8.0.22		Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
select_into_disk_sync_delay		8.0.22		Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
Select_range							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Select_range_check							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Select_scan							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
server_id				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
server_id_bits				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
server_uuid						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
session_track_gtids		5.7.6		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_track_schema		5.7.4		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_track_state_change		5.7.4		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_track_system_variables		5.7.4		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_track_transaction_info		5.7.8		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
set_operations_buffer_size				Yes	Yes	Yes		Both	Yes				Yes	Yes	Yes
sha256_password_auto_generate_rsa_keys		5.7.5	8.0.16	Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
sha256_password_private_key_path		5.7.7	8.0.16	Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
sha256_password_proxy_users		5.7.7	8.0.16	Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sha256_password_public_key_path		5.7.7	8.0.16	Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
shared_memory				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
shared_memory_base_name				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
show_compatibility_56		5.7.6	5.7.6, 8.0.1	Yes	Yes	Yes		Global	Yes	Yes					
show_create_table_skip_secondary_engine		8.0.18		Yes	Yes	Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
show_create_table_verbosity		5.7.22, 8.0.11		Yes	Yes	Yes		Both	Yes	Some	Yes	Yes	Yes	Yes	Yes
show_gipk_in_create_table_and_information_schema		8.0.30		Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
show_old_temporals		5.7.6	5.6.24, 5.7.6	Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
show-replica-auth-info	8.0.26			Yes	Yes						Some	Yes	Yes	Yes	Yes
show-slave-auth-info		8.0.26		Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
simplified_binlog_gtid_recovery	5.7.15	5.6.28, 5.7.6		Yes	Yes	Yes		Global	No						
skip-character-set-client-handshake		8.0.35, 8.2.0		Yes	Yes					Yes	Yes	Yes	Yes		
skip_external_locking				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
skip-grant-tables				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
skip-host-cache		8.0.30		Yes	Yes					Yes	Yes	Yes	Yes		
skip_name_resolve				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
skip-ndbcluster				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
skip_networking				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
skip-new		8.0.35, 8.2.0		Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
skip-partition		5.7.16		Yes	Yes					Yes					
skip-replica-start	8.0.26			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
skip-show-database				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
skip-slave-start		8.0.26		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
skip-ssl		8.0.26		Yes	Yes					Yes	Yes	Yes	Yes	Yes	
skip-stack-trace				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
slave_allow_batching		8.0.26-ndb-8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
slave_checkpoint_group		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_checkpoint_period		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_compressed_protocol		8.0.18		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_exec_mode				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Slave_heartbeat_period		5.7.6	8.0.1				Yes	Global	No	Yes					
Slave_last_heartbeat		5.7.6	8.0.1				Yes	Global	No	Yes					
slave_load_tmpdir		8.0.26		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
slave_max_allowed_packet		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_net_timeout		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Slave_open_temp_tables		8.0.26					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
slave_parallel_type		5.7.2	8.0.26	Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_parallel_workers		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_pending_jobs_size_max		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_preserve_commit_order		5.7.5	8.0.26	Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Slave_received_heartbeats		5.7.6	8.0.1				Yes	Global	No	Yes					
Slave_retried_transactions		5.7.6	8.0.1				Yes	Global	No	Yes					
Slave_rows_last_search_algorithm_used		8.0.26					Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
slave_rows_search_algorithms		8.0.18		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes		
Slave_running		5.7.6	8.0.1				Yes	Global	No	Yes					
slave-skip-errors		8.0.26		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
slave-sql-verify-checksum				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
slave_sql_verify_checksum		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_transaction_retries		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slave_type_conversions		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Slow_launch_threads							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
slow_launch_time				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Slow_queries							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
slow_query_log				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slow_query_log_file				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
slow-start-timeout				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
socket				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
sort_buffer_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Sort_merge_passes							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Sort_range							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Sort_rows							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Sort_scan							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
source_verify_checksum	8.0.26			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
sporadic-binlog-dump-fail				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
sql_auto_is_null						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_big_selects						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_buffer_result						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_generate_invisible_primary_key	8.0.30			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
sql_log_bin						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_log_off						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql-mode				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_notes						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_quote_show_create						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_replica_skip_counter	8.0.26					Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
sql_require_primary_key	8.0.13			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
sql_safe_updates						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_select_limit						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_slave_skip_counter		8.0.26				Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sql_warnings						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ssl		8.0.26		Yes	Yes					Yes	Yes	Yes	Yes	Yes	
Ssl_accept_renegotiates							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_accepts							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ssl_ca				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_callback_cache_hits							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ssl_capath				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
ssl_cert				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_cipher							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
ssl_cipher				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_cipher_list							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_client_connects							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_connect_renegotiates							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ssl_crl				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
ssl_crlpath				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_ctx_verify_depth							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
Ssl_ctx_verify_mode							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_default_timeout							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_finished_accepts							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_finished_connects							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ssl_fips_mode	8.0.11	8.0.34		Yes	Yes	Yes		Global	No		Yes	Yes	Yes	Yes	Yes
ssl_key				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_server_not_after							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_server_not_before							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_session_cache_hits							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_session_cache_misses							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_session_cache_mode							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
ssl_session_cache_mode	8.0.29			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Ssl_session_cache_overflows							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_session_cache_size							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_session_cache_timeout							Yes	Global	No		Some	Yes	Yes	Yes	Yes
ssl_session_cache_timeout	8.0.29			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Ssl_session_cache_timeouts							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_sessions_reused							Yes	Session	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_used_session_cache_entries							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_verify_depth							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_verify_mode							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Ssl_version							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
standalone				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
statement_id						Yes		Session	No		Yes	Yes	Yes	Yes	Yes
storage_engine			5.7.5			Yes		Both	Yes						
stored_program_cache				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
stored_program_definition_cache				Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
super-large-pages				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
super_read_only	5.7.8			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
symbolic-links		8.0.2		Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
sync_binlog				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sync_frm		5.7.6		Yes	Yes	Yes		Global	Yes	Yes					
sync_master_info		8.0.26		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sync_relay_log				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sync_relay_log_info		8.0.34		Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sync_source_info		8.0.26		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
sysdate-is-now				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
syseventlog.facility	8.0.13			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
syseventlog.include_pid	8.0.13			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
syseventlog.tag	8.0.13			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
system_time_zone						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
table_definition_cache				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
table_encryption_privilege_check	8.0.16			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Table_locks_immediate							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Table_locks_waited							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
table_open_cache				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Table_open_cache_hits							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
table_open_cache_instances				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Table_open_cache_misses							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
Table_open_cache_overflows							Yes	Both	No	Yes	Yes	Yes	Yes	Yes	Yes
tablespace_definition_cache				Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
tc-heuristic-recover				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
Tc_log_max_pages_used							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Tc_log_page_size							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Tc_log_page_waits							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Telemetry_metrics_supported							Yes	Global	No				Yes	Yes	Yes
Telemetry_traces_supported	8.0.33						Yes	Global	No		Some	Yes	Yes	Yes	Yes
telemetry.live_sessions							Yes	Global	No			Yes	Yes	Yes	Yes
telemetry.metrics_reader_frequency_1						Yes		Global	No					Yes	Yes
telemetry.metrics_reader_frequency_2						Yes		Global	No					Yes	Yes
telemetry.metrics_reader_frequency_3						Yes		Global	No					Yes	Yes
telemetry.otel_bsp_max_export_batch_size						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_bsp_max_queue_size						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_bsp_schedule_delay						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_exporter_otlp_metrics_certificates						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_cipher						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_ciphersuite						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_client_certificates						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_client_key						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_compression						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_endpoint						Yes		Global	No					Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
telemetry.otel_exporter_otlp_metrics_headers						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_max_ttl						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_min_ttl						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_protocol						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_metrics_timeout						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_traces_certificates						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_exporter_otlp_traces_ciphers						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_traces_ciphersuites						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_traces_client_certificates						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_exporter_otlp_traces_client_key						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_exporter_otlp_traces_compression						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_exporter_otlp_traces_endpoint						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_exporter_otlp_traces_headers						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_exporter_otlp_traces_max_ttl						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_traces_min_ttl						Yes		Global	No					Yes	Yes
telemetry.otel_exporter_otlp_traces_protocol						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_exporter_otlp_traces_timeout						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.otel_log_level						Yes		Global	Yes			Yes	Yes	Yes	Yes
telemetry.otel_resource_attributes						Yes		Global	No			Yes	Yes	Yes	Yes
telemetry.query_text_enabled						Yes		Global	Yes			Yes	Yes	Yes	Yes
telemetry.trace_enabled						Yes		Global	Yes			Yes	Yes	Yes	Yes
temp-pool		5.7.18	8.0.1	Yes	Yes					Yes					
temptable_max_mmap	8.0.23			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
temptable_max_ram	8.0.2			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
temptable_use_mmap	8.0.16	8.0.26		Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
terminology_use_previous	8.0.26			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes
thread_cache_size				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
thread_concurrency		5.6.1	5.7.2	Yes	Yes	Yes		Global	No						
thread_handling				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
thread_pool_algorithm		5.7.9, 8.0.11		Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
thread_pool_dedicated_listeners	8.0.23			Yes	Yes	Yes		Global	No		Some	Yes	Yes	Yes	Yes
thread_pool_high_priority_connection		5.7.9, 8.0.11		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
thread_pool_longrun_trx_limit				Yes	Yes	Yes		Global	Yes						Yes
thread_pool_max_active_query_threads	8.0.19			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
thread_pool_max_transactions_limit	8.0.23			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
thread_pool_max_unused_threads	5.7.9, 8.0.11			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
thread_pool_prio_kickup_timer	5.7.9, 8.0.11			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
thread_pool_query_threads_per_group	8.0.31			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
thread_pool_size	5.7.9, 8.0.11			Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
thread_pool_stall_limit	5.7.9, 8.0.11			Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
thread_pool_transaction_delay	8.0.31			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
thread_stack				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Threads_cached							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Threads_connected							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Threads_created							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Threads_running							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
time_format			8.0.3			Yes		Global	No	Yes					
time_zone						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
timed_mutexes		5.5.39, 5.6.20	5.7.5	Yes	Yes	Yes		Global	Yes						
timestamp						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
tls_certificates_enforced_validation				Yes	Yes	Yes		Global	No			Yes	Yes	Yes	Yes
tls_ciphersuites	8.0.16			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
Tls_library_version	8.0.30						Yes	Global	No		Some	Yes	Yes	Yes	Yes
Tls_sni_server_name							Yes	Session	No			Yes	Yes	Yes	Yes
tls_version	5.7.10			Yes	Yes	Yes		Global	Varies	Some	Yes	Yes	Yes	Yes	Yes
tmp_table_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
tmpdir				Yes	Yes	Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
transaction_alloc_block_size				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
transaction_allow_batching						Yes		Session	Yes	Yes	Yes	Yes	Yes	Yes	Yes
transaction-isolation				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
transaction_prealloc_size		8.0.29		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
transaction-read-only				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
transaction_write_set_extraction	5.7.6	8.0.26		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes		
tx_isolation	5.7.20	8.0.3				Yes		Both	Yes	Yes					
tx_read_only	5.7.20	8.0.3				Yes		Both	Yes	Yes					
unique_checks						Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
updatable_views_with_limit				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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upgrade	8.0.16			Yes	Yes						Some	Yes	Yes	Yes	Yes
Uptime							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
Uptime_since_flush_status							Yes	Global	No	Yes	Yes	Yes	Yes	Yes	Yes
use_secondary_engine	8.0.13					Yes		Session	Yes		Some	Yes	Yes	Yes	Yes
user				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
validate-config	8.0.16			Yes	Yes						Some	Yes	Yes	Yes	Yes
validate-password				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
validate_password_check_user_name	5.7.15			Yes	Yes	Yes		Global	Yes	Some	Yes	Yes	Yes	Yes	Yes
validate_password_dictionary_file				Yes	Yes	Yes		Global	Varies	Yes	Yes	Yes	Yes	Yes	Yes
validate_password_dictionary_file_last_update	5.7.8					Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
validate_password_dictionary_file_words_count	5.7.8					Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
validate_password_length				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
validate_password_mixed_case_count				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
validate_password_number_count				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
validate_password_policy				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
validate_password_special_char_count				Yes	Yes	Yes		Global	Yes	Yes	Yes	Yes	Yes	Yes	Yes
validate_password.changed_characters_percentage	8.0.34			Yes	Yes	Yes		Global	Yes		Some	Yes	Yes	Yes	Yes
validate_password.check_user_name	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
validate_password.dictionary_file	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
validate_password.dictionary_file_last_update	8.0.4					Yes		Global	No		Yes	Yes	Yes	Yes	Yes
validate_password.dictionary_file_words_count	8.0.4					Yes		Global	No		Yes	Yes	Yes	Yes	Yes
validate_password.length	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
validate_password.mixed_case_count	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
validate_password.number_count	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
validate_password.policy	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
validate_password.special_char_count	8.0.4			Yes	Yes	Yes		Global	Yes		Yes	Yes	Yes	Yes	Yes
validate-user-plugins				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
verbose				Yes	Yes					Yes	Yes	Yes	Yes	Yes	Yes
version						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
version_comment						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
version_compile_machine						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
version_compile_os						Yes		Global	No	Yes	Yes	Yes	Yes	Yes	Yes
version_compile_zlib	8.0.11					Yes		Global	No		Yes	Yes	Yes	Yes	Yes
version_connections_session	5.7.8	9.2.0		Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_connections_session_number	5.7.8	9.2.0		Yes	Yes	Yes		Both	No	Yes	Yes	Yes	Yes	Yes	Yes

Name	Intr	Depr	Rem	Cmd	Cnf	Srvr	Stat	Scope	Dyn	5.7	8.0	8.1	8.2	8.3	8.4
wait_timeout				Yes	Yes	Yes		Both	Yes	Yes	Yes	Yes	Yes	Yes	Yes
warning_count						Yes		Session	No	Yes	Yes	Yes	Yes	Yes	Yes
windowing_use_high_precision	8.0.2			Yes	Yes	Yes		Both	Yes		Yes	Yes	Yes	Yes	Yes
xa_detach_on_prepare	8.0.29			Yes	Yes	Yes		Both	Yes		Some	Yes	Yes	Yes	Yes

1.1 Option and Variable Changes for MySQL 5.7

The following list details the changes to specific options and variables within MySQL 5.7.

- **audit-log**

  Introduced in version 5.7.9

- **audit_log_buffer_size**

  Introduced in version 5.7.9

- **audit_log_compression**

  Introduced in version 5.7.21

- **audit_log_connection_policy**

  Introduced in version 5.7.9

- **audit_log_current_session**

  Introduced in version 5.7.9

- **Audit_log_current_size**

  Introduced in version 5.7.9

- **audit_log_disable**

  Introduced in version 5.7.37

- **audit_log_encryption**

  Introduced in version 5.7.21

- **Audit_log_event_max_drop_size**

  Introduced in version 5.7.9

- **Audit_log_events**

  Introduced in version 5.7.9

- **Audit_log_events_filtered**

  Introduced in version 5.7.9

- **Audit_log_events_lost**

  Introduced in version 5.7.9

- **`Audit_log_events_written`**

  Introduced in version 5.7.9

- **`audit_log_exclude_accounts`**

  Introduced in version 5.7.9

- **`audit_log_file`**

  Introduced in version 5.7.9

- **`audit_log_filter_id`**

  Introduced in version 5.7.13

- **`audit_log_flush`**

  Introduced in version 5.7.9

- **`audit_log_format`**

  Introduced in version 5.7.9

  Value parameter changes in version 5.7.21:

  - Default is NEW

- **`audit_log_format_unix_timestamp`**

  Introduced in version 5.7.35

- **`audit_log_include_accounts`**

  Introduced in version 5.7.9

- **`audit_log_policy`**

  Introduced in version 5.7.9

- **`audit_log_read_buffer_size`**

  Introduced in version 5.7.21

  Value parameter changes in version 5.7.23:

  - Default is 32768, minimum is 32768, maximum is 4194304

- **`audit_log_rotate_on_size`**

  Introduced in version 5.7.9

- **`audit_log_statement_policy`**

  Introduced in version 5.7.9

- **`audit_log_strategy`**

  Introduced in version 5.7.9

- **Audit_log_total_size**

  Introduced in version 5.7.9

- **Audit_log_write_waits**

  Introduced in version 5.7.9

- **authentication_ldap_sasl_auth_method_name**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_bind_base_dn**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_bind_root_dn**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_bind_root_pwd**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_ca_path**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_group_search_attr**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_group_search_filter**

  Introduced in version 5.7.21

- **authentication_ldap_sasl_init_pool_size**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_log_status**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_max_pool_size**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_server_host**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_server_port**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_tls**

  Introduced in version 5.7.19

- **authentication_ldap_sasl_user_search_attr**

  Introduced in version 5.7.19

- **authentication_ldap_simple_auth_method_name**

  Introduced in version 5.7.19

- **authentication_ldap_simple_bind_base_dn**

  Introduced in version 5.7.19

- **authentication_ldap_simple_bind_root_dn**

  Introduced in version 5.7.19

- **authentication_ldap_simple_bind_root_pwd**

  Introduced in version 5.7.19

- **authentication_ldap_simple_ca_path**

  Introduced in version 5.7.19

- **authentication_ldap_simple_group_search_attr**

  Introduced in version 5.7.19

- **authentication_ldap_simple_group_search_filter**

  Introduced in version 5.7.21

- **authentication_ldap_simple_init_pool_size**

  Introduced in version 5.7.19

- **authentication_ldap_simple_log_status**

  Introduced in version 5.7.19

- **authentication_ldap_simple_max_pool_size**

  Introduced in version 5.7.19

- **authentication_ldap_simple_server_host**

  Introduced in version 5.7.19

- **authentication_ldap_simple_server_port**

  Introduced in version 5.7.19

- **authentication_ldap_simple_tls**

  Introduced in version 5.7.19

- **authentication_ldap_simple_user_search_attr**

  Introduced in version 5.7.19

- **`authentication_windows_log_level`**

  Introduced in version 5.7.9

- **`authentication_windows_use_principal_name`**

  Introduced in version 5.7.9

- **`auto_generate_certs`**

  Introduced in version 5.7.5

- **`avoid_temporal_upgrade`**

  Introduced in version 5.7.6

  Deprecated in version 5.7.6

- **`binlog_error_action`**

  Introduced in version 5.7.6

  Value parameter changes in version 5.7.7:

  - Default is ABORT_SERVER

- **`binlog_format`**

  Value parameter changes in version 5.7.7:

  - Default is ROW

- **`binlog_group_commit_sync_delay`**

  Introduced in version 5.7.5

- **`binlog_group_commit_sync_no_delay_count`**

  Introduced in version 5.7.5

- **`binlog_gtid_simple_recovery`**

  Introduced in version 5.7.6

  Value parameter changes in version 5.7.7:

  - Default is ON

- **`binlog_max_flush_queue_time`**

  Deprecated in version 5.7.9

- **`binlog_transaction_dependency_history_size`**

  Introduced in version 5.7.22

- **`binlog_transaction_dependency_tracking`**

  Introduced in version 5.7.22

- **binlogging_impossible_mode**

  Introduced in version 5.7.5

  Removed in version 5.7.6

- **block_encryption_mode**

  Introduced in version 5.7.4

- **bootstrap**

  Deprecated in version 5.7.6

- **check_proxy_users**

  Introduced in version 5.7.7

- **Com_change_repl_filter**

  Introduced in version 5.7.3

- **Com_explain_other**

  Introduced in version 5.7.2

- **Com_group_replication_start**

  Introduced in version 5.7.6

- **Com_group_replication_stop**

  Introduced in version 5.7.6

- **Com_show_create_user**

  Introduced in version 5.7.6

- **Com_show_slave_status_nonblocking**

  Introduced in version 5.7.0

  Removed in version 5.7.6

- **Com_shutdown**

  Introduced in version 5.7.9

- **Connection_control_delay_generated**

  Introduced in version 5.7.17

- **connection_control_failed_connections_threshold**

  Introduced in version 5.7.17

- **connection_control_max_connection_delay**

  Introduced in version 5.7.17

- **connection_control_min_connection_delay**

  Introduced in version 5.7.17

- **daemonize**

  Introduced in version 5.7.6

- **default-authentication-plugin**

  Removed in version 5.7.2

- **default_authentication_plugin**

  Introduced in version 5.7.2

- **default_password_lifetime**

  Introduced in version 5.7.4

  Value parameter changes in version 5.7.11:

  - Default is 0, minimum is 0, maximum is 65535

- **des-key-file**

  Deprecated in version 5.7.6

- **disable-partition-engine-check**

  Introduced in version 5.7.17

  Deprecated in version 5.7.17

  Value parameter changes in version 5.7.21:

  - Default is ON

- **disabled_storage_engines**

  Introduced in version 5.7.8

- **disconnect_on_expired_password**

  Introduced in version 5.7.1

- **early-plugin-load**

  Introduced in version 5.7.11

  Value parameter changes in version 5.7.12:

  - Default is empty string

- **enforce_gtid_consistency**

  Value parameter changes in version 5.7.6:

  - Default is OFF

- **eq_range_index_dive_limit**

  Value parameter changes in version 5.7.4:

  - Default is 200, minimum is 0, maximum is 4294967295

- **executed_gtids_compression_period**

  Introduced in version 5.7.5

  Removed in version 5.7.6

- **Firewall_access_denied**

  Introduced in version 5.7.9

- **Firewall_access_granted**

  Introduced in version 5.7.9

- **Firewall_cached_entries**

  Introduced in version 5.7.9

- **group_replication_allow_local_disjoint_gtids_join**

  Introduced in version 5.7.17

  Deprecated in version 5.7.21

- **group_replication_allow_local_lower_version_join**

  Introduced in version 5.7.17

- **group_replication_auto_increment_increment**

  Introduced in version 5.7.17

- **group_replication_bootstrap_group**

  Introduced in version 5.7.17

- **group_replication_components_stop_timeout**

  Introduced in version 5.7.17

- **group_replication_compression_threshold**

  Introduced in version 5.7.17

- **group_replication_enforce_update_everywhere_checks**

  Introduced in version 5.7.17

- **group_replication_exit_state_action**

  Introduced in version 5.7.24

- **group_replication_flow_control_applier_threshold**

Introduced in version 5.7.17

- **group_replication_flow_control_certifier_threshold**

  Introduced in version 5.7.17

- **group_replication_flow_control_mode**

  Introduced in version 5.7.17

- **group_replication_force_members**

  Introduced in version 5.7.17

- **group_replication_group_name**

  Introduced in version 5.7.17

- **group_replication_group_seeds**

  Introduced in version 5.7.17

- **group_replication_gtid_assignment_block_size**

  Introduced in version 5.7.17

- **group_replication_ip_whitelist**

  Introduced in version 5.7.17

- **group_replication_local_address**

  Introduced in version 5.7.17

- **group_replication_member_weight**

  Introduced in version 5.7.20

- **group_replication_poll_spin_loops**

  Introduced in version 5.7.17

- **group_replication_recovery_complete_at**

  Introduced in version 5.7.17

- **group_replication_recovery_reconnect_interval**

  Introduced in version 5.7.17

- **group_replication_recovery_retry_count**

  Introduced in version 5.7.17

- **group_replication_recovery_ssl_ca**

  Introduced in version 5.7.17

- **group_replication_recovery_ssl_capath**

Introduced in version 5.7.17

- **group_replication_recovery_ssl_cert**

  Introduced in version 5.7.17

- **group_replication_recovery_ssl_cipher**

  Introduced in version 5.7.17

- **group_replication_recovery_ssl_crl**

  Introduced in version 5.7.17

- **group_replication_recovery_ssl_crlpath**

  Introduced in version 5.7.17

- **group_replication_recovery_ssl_key**

  Introduced in version 5.7.17

- **group_replication_recovery_ssl_verify_server_cert**

  Introduced in version 5.7.17

- **group_replication_recovery_use_ssl**

  Introduced in version 5.7.17

- **group_replication_single_primary_mode**

  Introduced in version 5.7.17

- **group_replication_ssl_mode**

  Introduced in version 5.7.17

- **group_replication_start_on_boot**

  Introduced in version 5.7.17

- **group_replication_transaction_size_limit**

  Introduced in version 5.7.19

  Value parameter changes in version 5.7.38:

  - Default is 150000000, minimum is 0, maximum is 2147483647

- **group_replication_unreachable_majority_timeout**

  Introduced in version 5.7.19

- **gtid_executed_compression_period**

  Introduced in version 5.7.6

- **gtid_mode**

Value parameter changes in version 5.7.6:

- Default is OFF

- **have_crypt**

  Deprecated in version 5.7.6

- **have_query_cache**

  Deprecated in version 5.7.20

- **have_statement_timeout**

  Introduced in version 5.7.4

- **ignore-db-dir**

  Deprecated in version 5.7.16

- **ignore_db_dirs**

  Deprecated in version 5.7.16

- **initialize**

  Introduced in version 5.7.6

- **initialize-insecure**

  Introduced in version 5.7.6

- **innodb**

  Deprecated in version 5.7.5

- **innodb_adaptive_hash_index_parts**

  Introduced in version 5.7.8

- **innodb_additional_mem_pool_size**

  Removed in version 5.7.4

- **Innodb_available_undo_logs**

  Deprecated in version 5.7.19

- **innodb_background_drop_list_empty**

  Introduced in version 5.7.10

- **innodb_buffer_pool_chunk_size**

  Introduced in version 5.7.5

- **innodb_buffer_pool_dump_at_shutdown**

  Value parameter changes in version 5.7.7:

- Default is ON

- **innodb_buffer_pool_dump_pct**

  Introduced in version 5.7.2

  Value parameter changes in version 5.7.7:

  - Default is 25, minimum is 1, maximum is 100

- **innodb_buffer_pool_load_at_startup**

  Value parameter changes in version 5.7.7:

  - Default is ON

- **Innodb_buffer_pool_resize_status**

  Introduced in version 5.7.5

- **innodb_checksum_algorithm**

  Value parameter changes in version 5.7.7:

  - Default is crc32

- **innodb_compress_debug**

  Introduced in version 5.7.8

- **innodb_deadlock_detect**

  Introduced in version 5.7.15

- **innodb_default_row_format**

  Introduced in version 5.7.9

- **innodb_disable_resize_buffer_pool_debug**

  Introduced in version 5.7.6

- **innodb_file_format**

  Deprecated in version 5.7.7

  Value parameter changes in version 5.7.7:

  - Default is Barracuda

- **innodb_file_format_check**

  Deprecated in version 5.7.7

- **innodb_file_format_max**

  Deprecated in version 5.7.7

  Value parameter changes in version 5.7.9:

- Default is Barracuda

- **innodb_fill_factor**

  Introduced in version 5.7.5

- **innodb_flush_sync**

  Introduced in version 5.7.8

- **innodb_ft_max_token_size**

  Value parameter changes in version 5.7.3:

  - Default is 84, minimum is 10, maximum is 84

- **innodb_ft_result_cache_limit**

  Introduced in version 5.7.2

  Value parameter changes in version 5.7.4:

  - Default is 2000000000, minimum is 1000000, maximum is 2**32-1

- **innodb_ft_total_cache_size**

  Introduced in version 5.7.2

- **innodb_large_prefix**

  Deprecated in version 5.7.7

  Value parameter changes in version 5.7.7:

  - Default is ON

- **innodb_log_buffer_size**

  Value parameter changes in version 5.7.6:

  - Default is 16777216, minimum is 1048576, maximum is 4294967295

- **innodb_log_checkpoint_now**

  Introduced in version 5.7.2

- **innodb_log_checksum_algorithm**

  Introduced in version 5.7.8

  Removed in version 5.7.9

- **innodb_log_checksums**

  Introduced in version 5.7.9

- **innodb_log_file_size**

  Value parameter changes in version 5.7.11:

  - Default is 50331648, minimum is 4194304, maximum is 512GB / innodb_log_files_in_group
- **innodb_log_write_ahead_size**

  Introduced in version 5.7.4
- **innodb_max_dirty_pages_pct**

  Value parameter changes in version 5.7.5:

  - Default is 75, minimum is 0, maximum is 99.999
- **innodb_max_dirty_pages_pct_lwm**

  Value parameter changes in version 5.7.5:

  - Default is 0, minimum is 0, maximum is 99.999
- **innodb_max_undo_log_size**

  Introduced in version 5.7.5
- **innodb_merge_threshold_set_all_debug**

  Introduced in version 5.7.6
- **innodb_numa_interleave**

  Introduced in version 5.7.9
- **innodb_optimize_point_storage**

  Introduced in version 5.7.5

  Removed in version 5.7.6
- **innodb_page_cleaners**

  Introduced in version 5.7.4

  Value parameter changes in version 5.7.8:

  - Default is 4, minimum is 1, maximum is 64
- **innodb_page_size**

  Value parameter changes in version 5.7.6:

  - Default is 16384
- **innodb_purge_rseg_truncate_frequency**

  Introduced in version 5.7.5
- **innodb_purge_threads**

  Value parameter changes in version 5.7.8:

  - Default is 4, minimum is 1, maximum is 32

- **innodb_stats_include_delete_marked**

  Introduced in version 5.7.17

- **innodb_status_output**

  Introduced in version 5.7.4

- **innodb_status_output_locks**

  Introduced in version 5.7.4

- **innodb_strict_mode**

  Value parameter changes in version 5.7.7:

  - Default is ON

- **innodb_support_xa**

  Deprecated in version 5.7.10

- **innodb_sync_debug**

  Introduced in version 5.7.8

- **innodb_temp_data_file_path**

  Introduced in version 5.7.1

- **innodb_thread_sleep_delay**

  Value parameter changes in version 5.7.4:

  - Default is 10000, minimum is 0, maximum is 1000000

- **innodb_tmpdir**

  Introduced in version 5.7.11

- **innodb_undo_directory**

  Value parameter changes in version 5.7.8:

  - Default is not specified

- **innodb_undo_log_truncate**

  Introduced in version 5.7.5

- **innodb_undo_logs**

  Deprecated in version 5.7.19

- **innodb_undo_tablespaces**

  Deprecated in version 5.7.21

  Value parameter changes in version 5.7.8:

  - Default is 0, minimum is 0, maximum is 95
- **innodb_use_sys_malloc**

  Removed in version 5.7.4
- **internal_tmp_disk_storage_engine**

  Introduced in version 5.7.5

  Value parameter changes in version 5.7.6:

  - Default is INNODB
- **keyring_aws_cmk_id**

  Introduced in version 5.7.19
- **keyring_aws_conf_file**

  Introduced in version 5.7.19
- **keyring_aws_data_file**

  Introduced in version 5.7.19
- **keyring_aws_region**

  Introduced in version 5.7.19

  Value parameter changes in version 5.7.27:

  - Default is us-east-1

  Value parameter changes in version 5.7.39:

  - Default is us-east-1
- **keyring_encrypted_file_data**

  Introduced in version 5.7.21
- **keyring_encrypted_file_password**

  Introduced in version 5.7.21
- **keyring_file_data**

  Introduced in version 5.7.11
- **keyring-migration-destination**

  Introduced in version 5.7.21
- **keyring-migration-host**

  Introduced in version 5.7.21
- **keyring-migration-password**

Introduced in version 5.7.21

- **keyring-migration-port**

  Introduced in version 5.7.21

- **keyring-migration-socket**

  Introduced in version 5.7.21

- **keyring-migration-source**

  Introduced in version 5.7.21

- **keyring-migration-user**

  Introduced in version 5.7.21

- **keyring_okv_conf_dir**

  Introduced in version 5.7.12

- **keyring_operations**

  Introduced in version 5.7.21

- **Locked_connects**

  Introduced in version 5.7.6

- **log_backward_compatible_user_definitions**

  Introduced in version 5.7.6

  Removed in version 5.7.9

- **log_builtin_as_identified_by_password**

  Introduced in version 5.7.9

- **log_error_verbosity**

  Introduced in version 5.7.2

- **log-slow-admin-statements**

  Removed in version 5.7.1

- **log_slow_admin_statements**

  Introduced in version 5.7.1

- **log-slow-slave-statements**

  Removed in version 5.7.1

- **log_slow_slave_statements**

  Introduced in version 5.7.1

- **log_statements_unsafe_for_binlog**

  Introduced in version 5.7.11

- **log_syslog**

  Introduced in version 5.7.5

- **log_syslog_facility**

  Introduced in version 5.7.5

- **log_syslog_include_pid**

  Introduced in version 5.7.5

- **log_syslog_tag**

  Introduced in version 5.7.5

- **log-tc-size**

  Value parameter changes in version 5.7.21 (bitsize=64):

  - Default is 6 * page size, minimum is 6 * page size, maximum is 18446744073709551615

  Value parameter changes in version 5.7.21 (bitsize=32):

  - Default is 6 * page size, minimum is 6 * page size, maximum is 4294967295

- **log_timestamps**

  Introduced in version 5.7.2

- **log-warnings**

  Deprecated in version 5.7.2

  Value parameter changes in version 5.7.2 (bitsize=64):

  - Default is 2, minimum is 0, maximum is 18446744073709551615

  Value parameter changes in version 5.7.2 (bitsize=32):

  - Default is 2, minimum is 0, maximum is 4294967295

- **max_digest_length**

  Introduced in version 5.7.6

- **max_execution_time**

  Introduced in version 5.7.8

- **Max_execution_time_exceeded**

  Introduced in version 5.7.8

- **Max_execution_time_set**

Introduced in version 5.7.8

- **Max_execution_time_set_failed**

  Introduced in version 5.7.8

- **max_points_in_geometry**

  Introduced in version 5.7.8

- **max_statement_time**

  Introduced in version 5.7.4

  Removed in version 5.7.8

- **Max_statement_time_exceeded**

  Introduced in version 5.7.4

  Removed in version 5.7.8

- **Max_statement_time_set**

  Introduced in version 5.7.4

  Removed in version 5.7.8

- **Max_statement_time_set_failed**

  Introduced in version 5.7.4

  Removed in version 5.7.8

- **Max_used_connections_time**

  Introduced in version 5.7.5

- **mecab_charset**

  Introduced in version 5.7.6

- **mecab_rc_file**

  Introduced in version 5.7.6

- **metadata_locks_cache_size**

  Deprecated in version 5.7.4

- **metadata_locks_hash_instances**

  Deprecated in version 5.7.4

- **myisam_repair_threads**

  Removed in version 5.7.39

  Deprecated in version 5.7.38

- **mysql_firewall_mode**

  Introduced in version 5.7.9

- **mysql_firewall_trace**

  Introduced in version 5.7.9

- **mysql_native_password_proxy_users**

  Introduced in version 5.7.7

- **mysqlx**

  Introduced in version 5.7.12

- **mysqlx_bind_address**

  Introduced in version 5.7.17

- **mysqlx_connect_timeout**

  Introduced in version 5.7.12

- **mysqlx_idle_worker_thread_timeout**

  Introduced in version 5.7.12

- **mysqlx_max_allowed_packet**

  Introduced in version 5.7.12

- **mysqlx_max_connections**

  Introduced in version 5.7.12

- **mysqlx_min_worker_threads**

  Introduced in version 5.7.12

- **mysqlx_port**

  Introduced in version 5.7.12

- **mysqlx_port_open_timeout**

  Introduced in version 5.7.17

- **mysqlx_socket**

  Introduced in version 5.7.15

- **mysqlx_ssl_ca**

  Introduced in version 5.7.12

- **mysqlx_ssl_capath**

  Introduced in version 5.7.12

- **mysqlx_ssl_cert**

  Introduced in version 5.7.12

- **mysqlx_ssl_cipher**

  Introduced in version 5.7.12

- **mysqlx_ssl_crl**

  Introduced in version 5.7.12

- **mysqlx_ssl_crlpath**

  Introduced in version 5.7.12

- **mysqlx_ssl_key**

  Introduced in version 5.7.12

- **named_pipe_full_access_group**

  Introduced in version 5.7.25

- **ndb-allow-copying-alter-table**

  Introduced in version 5.7.10-ndb-7.5.0

- **ndb-batch-size**

  Value parameter changes in version 5.7.37-ndb-7.5.26:

  - Default is 32768, minimum is 0, maximum is 2147483648

  Value parameter changes in version 5.7.37-ndb-7.6.22:

  - Default is 32768, minimum is 0, maximum is 2147483648

- **ndb_cache_check_time**

  Deprecated in version 5.7.20

- **ndb-cluster-connection-pool-nodeids**

  Introduced in version 5.7.10-ndb-7.5.0

- **ndb_data_node_neighbour**

  Introduced in version 5.7.12-ndb-7.5.2

- **ndb-default-column-format**

  Introduced in version 5.7.11-ndb-7.5.1

  Value parameter changes in version 5.7.16-ndb-7.5.4:

  - Default is FIXED

- **ndb_default_column_format**

Introduced in version 5.7.11-ndb-7.5.1

Value parameter changes in version 5.7.16-ndb-7.5.4:

- Default is FIXED

- **ndb_eventbuffer_max_alloc**

  Value parameter changes in version 5.7.35-ndb-7.5.23:

  - Default is 0, minimum is 0, maximum is 9223372036854775807

  Value parameter changes in version 5.7.35-ndb-7.6.19:

  - Default is 0, minimum is 0, maximum is 9223372036854775807

- **ndb_fully_replicated**

  Introduced in version 5.7.12-ndb-7.5.2

- **ndb-log-fail-terminate**

  Introduced in version 5.7.29-ndb-7.6.14

- **ndb-log-update-minimal**

  Introduced in version 5.7.18-ndb-7.6.3

- **ndb_read_backup**

  Introduced in version 5.7.12-ndb-7.5.2

- **ndb_report_thresh_binlog_epoch_slip**

  Value parameter changes in version 5.7.16-ndb-7.5.4:

  - Default is 10, minimum is 0, maximum is 256

- **ndb_row_checksum**

  Introduced in version 5.7.23-ndb-7.6.8

- **Ndb_system_name**

  Introduced in version 5.7.18-ndb-7.6.2

- **ngram_token_size**

  Introduced in version 5.7.6

- **offline_mode**

  Introduced in version 5.7.5

- **old_passwords**

  Deprecated in version 5.7.6

  Value parameter changes in version 5.7.5:

- Default is 0

- **optimizer_switch**

  Value parameter changes in version 5.7.5:

  - Default is not specified

  Value parameter changes in version 5.7.6:

  - Default is not specified

  Value parameter changes in version 5.7.8:

  - Default is not specified

  Value parameter changes in version 5.7.33:

  - Default is not specified

- **parser_max_mem_size**

  Introduced in version 5.7.12

- **partition**

  Deprecated in version 5.7.16

- **performance_schema_accounts_size**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **performance-schema-consumer-events-transactions-current**

  Introduced in version 5.7.3

- **performance-schema-consumer-events-transactions-history**

  Introduced in version 5.7.3

- **performance-schema-consumer-events-transactions-history-long**

  Introduced in version 5.7.3

- **performance_schema_events_transactions_history_long_size**

  Introduced in version 5.7.3

- **performance_schema_events_transactions_history_size**

  Introduced in version 5.7.3

- **performance_schema_hosts_size**

  Value parameter changes in version 5.7.6:

- Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **`Performance_schema_index_stat_lost`**

  Introduced in version 5.7.6

- **`performance_schema_max_cond_instances`**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **`performance_schema_max_digest_length`**

  Introduced in version 5.7.8

- **`performance_schema_max_file_classes`**

  Value parameter changes in version 5.7.9:

  - Default is 80, minimum is 0, maximum is 256

- **`performance_schema_max_file_instances`**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **`performance_schema_max_index_stat`**

  Introduced in version 5.7.6

- **`performance_schema_max_memory_classes`**

  Introduced in version 5.7.2

  Value parameter changes in version 5.7.5:

  - Default is 320, minimum is 0, maximum is 1024

- **`performance_schema_max_metadata_locks`**

  Introduced in version 5.7.3

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 10485760

- **`performance_schema_max_mutex_instances`**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 104857600

- **performance_schema_max_prepared_statements_instances**

  Introduced in version 5.7.4

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 4194304

- **performance_schema_max_program_instances**

  Introduced in version 5.7.2

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **performance_schema_max_rwlock_classes**

  Value parameter changes in version 5.7.3:

  - Default is 40, minimum is 0, maximum is 256

  Value parameter changes in version 5.7.25:

  - Default is 50, minimum is 0, maximum is 256

- **performance_schema_max_socket_instances**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **performance_schema_max_sql_text_length**

  Introduced in version 5.7.6

- **performance_schema_max_statement_stack**

  Introduced in version 5.7.2

- **performance_schema_max_table_handles**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **performance_schema_max_table_lock_stat**

  Introduced in version 5.7.6

- **Performance_schema_memory_classes_lost**

  Introduced in version 5.7.2

- **Performance_schema_metadata_lock_lost**

Introduced in version 5.7.3

- **Performance_schema_nested_statement_lost**

  Introduced in version 5.7.2

- **Performance_schema_prepared_statements_lost**

  Introduced in version 5.7.4

- **Performance_schema_program_lost**

  Introduced in version 5.7.2

- **performance_schema_setup_actors_size**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autosizing; do not assign this literal value), maximum is 1048576

- **performance_schema_setup_objects_size**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **performance_schema_show_processlist**

  Introduced in version 5.7.39

- **Performance_schema_table_lock_stat_lost**

  Introduced in version 5.7.6

- **performance_schema_users_size**

  Value parameter changes in version 5.7.6:

  - Default is -1 (signifies autoscaling; do not assign this literal value), minimum is -1 (signifies autoscaling; do not assign this literal value), maximum is 1048576

- **Qcache_free_blocks**

  Deprecated in version 5.7.20

- **Qcache_free_memory**

  Deprecated in version 5.7.20

- **Qcache_hits**

  Deprecated in version 5.7.20

- **Qcache_inserts**

  Deprecated in version 5.7.20

- **Qcache_lowmem_prunes**

  Deprecated in version 5.7.20

- **Qcache_not_cached**

  Deprecated in version 5.7.20

- **Qcache_queries_in_cache**

  Deprecated in version 5.7.20

- **Qcache_total_blocks**

  Deprecated in version 5.7.20

- **query_alloc_block_size**

  Value parameter changes in version 5.7.9:

  - Default is 8192, minimum is 1024, maximum is 4294966272

- **query_cache_limit**

  Deprecated in version 5.7.20

- **query_cache_min_res_unit**

  Deprecated in version 5.7.20

- **query_cache_size**

  Deprecated in version 5.7.20

- **query_cache_type**

  Deprecated in version 5.7.20

- **query_cache_wlock_invalidate**

  Deprecated in version 5.7.20

- **range_alloc_block_size**

  Value parameter changes in version 5.7.8 (bitsize=64):

  - Default is 4096, minimum is 4096, maximum is 18446744073709550592

  Value parameter changes in version 5.7.9:

  - Default is 4096, minimum is 4096, maximum is 4294966272

- **range_optimizer_max_mem_size**

  Introduced in version 5.7.9

  Value parameter changes in version 5.7.12:

  - Default is 8388608, minimum is 0, maximum is 18446744073709551615

- **rbr_exec_mode**

  Introduced in version 5.7.1

- **replication_optimize_for_static_plugin_config**

  Introduced in version 5.7.33

- **replication_sender_observe_commit_only**

  Introduced in version 5.7.33

- **require_secure_transport**

  Introduced in version 5.7.8

- **rewriter_enabled**

  Introduced in version 5.7.6

- **Rewriter_number_loaded_rules**

  Introduced in version 5.7.6

- **Rewriter_number_reloads**

  Introduced in version 5.7.6

- **Rewriter_number_rewritten_queries**

  Introduced in version 5.7.6

- **Rewriter_reload_error**

  Introduced in version 5.7.6

- **rewriter_verbose**

  Introduced in version 5.7.6

- **rpl_semi_sync_master_wait_for_slave_count**

  Introduced in version 5.7.3

- **rpl_semi_sync_master_wait_point**

  Introduced in version 5.7.2

- **rpl_stop_slave_timeout**

  Introduced in version 5.7.2

- **secure_auth**

  Deprecated in version 5.7.5

  Value parameter changes in version 5.7.5:

  - Default is ON

- **secure_file_priv**

  Value parameter changes in version 5.7.6:

  - Default is platform specific

- **session_track_gtids**

  Introduced in version 5.7.6

- **session_track_schema**

  Introduced in version 5.7.4

- **session_track_state_change**

  Introduced in version 5.7.4

- **session_track_system_variables**

  Introduced in version 5.7.4

- **session_track_transaction_info**

  Introduced in version 5.7.8

- **sha256_password_auto_generate_rsa_keys**

  Introduced in version 5.7.5

- **sha256_password_proxy_users**

  Introduced in version 5.7.7

- **show_compatibility_56**

  Introduced in version 5.7.6

  Deprecated in version 5.7.6

  Value parameter changes in version 5.7.8:

  - Default is OFF

- **show_create_table_verbosity**

  Introduced in version 5.7.22

- **show_old_temporals**

  Introduced in version 5.7.6

  Deprecated in version 5.7.6

- **simplified_binlog_gtid_recovery**

  Introduced in version 5.7.5

  Removed in version 5.7.6

- **skip-partition**

  Deprecated in version 5.7.16

- **Slave_heartbeat_period**

  Deprecated in version 5.7.6

- **Slave_last_heartbeat**

  Deprecated in version 5.7.6

- **slave_net_timeout**

  Value parameter changes in version 5.7.7:

  - Default is 60, minimum is 1, maximum is 31536000

- **slave_parallel_type**

  Introduced in version 5.7.2

- **slave_preserve_commit_order**

  Introduced in version 5.7.5

- **Slave_received_heartbeats**

  Deprecated in version 5.7.6

- **Slave_retried_transactions**

  Deprecated in version 5.7.6

- **Slave_running**

  Deprecated in version 5.7.6

  Value parameter changes in version 5.7.99:

  - Default is not specified

- **slave_type_conversions**

  Value parameter changes in version 5.7.2:

  - Default is

- **sql-mode**

  Value parameter changes in version 5.7.5:

  - Default is ONLY_FULL_GROUP_BY STRICT_TRANS_TABLES NO_ENGINE_SUBSTITUTION

  Value parameter changes in version 5.7.7:

  - Default is ONLY_FULL_GROUP_BY STRICT_TRANS_TABLES NO_AUTO_CREATE_USER NO_ENGINE_SUBSTITUTION

  Value parameter changes in version 5.7.8:

- Default is ONLY_FULL_GROUP_BY STRICT_TRANS_TABLES NO_ZERO_IN_DATE NO_ZERO_DATE ERROR_FOR_DIVISION_BY_ZERO NO_AUTO_CREATE_USER NO_ENGINE_SUBSTITUTION

- **ssl**

  Value parameter changes in version 5.7.5:

  - Default is ON

- **storage_engine**

  Removed in version 5.7.5

- **stored_program_cache**

  Value parameter changes in version 5.7.6:

  - Default is 256, minimum is 16, maximum is 524288

- **super_read_only**

  Introduced in version 5.7.8

- **sync_binlog**

  Value parameter changes in version 5.7.7:

  - Default is 1, minimum is 0, maximum is 4294967295

- **sync_frm**

  Deprecated in version 5.7.6

- **table_open_cache_instances**

  Value parameter changes in version 5.7.8:

  - Default is 16, minimum is 1, maximum is 64

- **temp-pool**

  Deprecated in version 5.7.18

- **thread_concurrency**

  Removed in version 5.7.2

- **thread_handling**

  Value parameter changes in version 5.7.9:

  - Default is one-thread-per-connection

- **thread_pool_algorithm**

  Introduced in version 5.7.9

- **thread_pool_high_priority_connection**

Introduced in version 5.7.9

- **thread_pool_max_unused_threads**

  Introduced in version 5.7.9

- **thread_pool_prio_kickup_timer**

  Introduced in version 5.7.9

- **thread_pool_size**

  Introduced in version 5.7.9

- **thread_pool_stall_limit**

  Introduced in version 5.7.9

- **timed_mutexes**

  Removed in version 5.7.5

- **tls_version**

  Introduced in version 5.7.10

  Value parameter changes in version 5.7.28:

  - Default is TLSv1,TLSv1.1,TLSv1.2

- **transaction_alloc_block_size**

  Value parameter changes in version 5.7.6:

  - Default is 8192, minimum is 1024, maximum is 131072

- **transaction_prealloc_size**

  Value parameter changes in version 5.7.6:

  - Default is 4096, minimum is 1024, maximum is 131072

- **transaction_write_set_extraction**

  Introduced in version 5.7.6

  Value parameter changes in version 5.7.14:

  - Default is OFF

- **tx_isolation**

  Deprecated in version 5.7.20

- **tx_read_only**

  Deprecated in version 5.7.20

- **validate_password_check_user_name**

Introduced in version 5.7.15

- **validate_password_dictionary_file_last_parsed**

  Introduced in version 5.7.8

- **validate_password_dictionary_file_words_count**

  Introduced in version 5.7.8

- **version_tokens_session**

  Introduced in version 5.7.8

- **version_tokens_session_number**

  Introduced in version 5.7.8

1.2 Option and Variable Changes for MySQL 8.0

The following list details the changes to specific options and variables within MySQL 8.0.

- **abort-slave-event-count**

  Deprecated in version 8.0.29

- **Acl_cache_items_count**

  Introduced in version 8.0.0

- **activate_all_roles_on_login**

  Introduced in version 8.0.2

- **admin_address**

  Introduced in version 8.0.14

- **admin_port**

  Introduced in version 8.0.14

- **admin-ssl**

  Introduced in version 8.0.21

  Deprecated in version 8.0.26

- **admin_ssl_ca**

  Introduced in version 8.0.21

- **admin_ssl_capath**

  Introduced in version 8.0.21

- **admin_ssl_cert**

  Introduced in version 8.0.21

- **admin_ssl_cipher**

  Introduced in version 8.0.21

- **admin_ssl_crl**

  Introduced in version 8.0.21

- **admin_ssl_crlpath**

  Introduced in version 8.0.21

- **admin_ssl_key**

  Introduced in version 8.0.21

- **admin_tls_ciphersuites**

  Introduced in version 8.0.21

- **admin_tls_version**

  Introduced in version 8.0.21

  Value parameter changes in version 8.0.28:

  - Default is TLSv1.2,TLSv1.3

- **audit-log**

  Introduced in version 8.0.11

- **audit_log_buffer_size**

  Introduced in version 8.0.11

- **audit_log_compression**

  Introduced in version 8.0.11

- **audit_log_connection_policy**

  Introduced in version 8.0.11

  Deprecated in version 8.0.34

- **audit_log_current_session**

  Introduced in version 8.0.11

- **Audit_log_current_size**

  Introduced in version 8.0.11

- **audit_log_database**

  Introduced in version 8.0.33

- **audit_log_disable**

Introduced in version 8.0.28

- **audit_log_encryption**

  Introduced in version 8.0.11

- **Audit_log_event_max_drop_size**

  Introduced in version 8.0.11

- **Audit_log_events**

  Introduced in version 8.0.11

- **Audit_log_events_filtered**

  Introduced in version 8.0.11

- **Audit_log_events_lost**

  Introduced in version 8.0.11

- **Audit_log_events_written**

  Introduced in version 8.0.11

- **audit_log_exclude_accounts**

  Introduced in version 8.0.11

  Deprecated in version 8.0.34

- **audit_log_file**

  Introduced in version 8.0.11

- **audit_log_filter_id**

  Introduced in version 8.0.11

- **audit_log_flush**

  Introduced in version 8.0.11

- **audit_log_flush_interval_seconds**

  Introduced in version 8.0.34

- **audit_log_format**

  Introduced in version 8.0.11

- **audit_log_format_unix_timestamp**

  Introduced in version 8.0.26

- **audit_log_include_accounts**

  Introduced in version 8.0.11

Deprecated in version 8.0.34

- **audit_log_max_size**

  Introduced in version 8.0.26

- **audit_log_password_history_keep_days**

  Introduced in version 8.0.17

- **audit_log_policy**

  Introduced in version 8.0.11

  Deprecated in version 8.0.34

- **audit_log_prune_seconds**

  Introduced in version 8.0.24

- **audit_log_read_buffer_size**

  Introduced in version 8.0.11

  Value parameter changes in version 8.0.12:

  - Default is 32768, minimum is 32768, maximum is 4194304

- **audit_log_rotate_on_size**

  Introduced in version 8.0.11

- **audit_log_statement_policy**

  Introduced in version 8.0.11

  Deprecated in version 8.0.34

- **audit_log_strategy**

  Introduced in version 8.0.11

- **Audit_log_total_size**

  Introduced in version 8.0.11

- **Audit_log_write_waits**

  Introduced in version 8.0.11

- **authentication_fido_rp_id**

  Introduced in version 8.0.27

  Deprecated in version 8.0.35

- **authentication_kerberos_service_key_tab**

  Introduced in version 8.0.26

- **authentication_kerberos_service_principal**

  Introduced in version 8.0.26

- **authentication_ldap_sasl_auth_method_name**

  Introduced in version 8.0.11

  Value parameter changes in version 8.0.20:

  - Default is SCRAM-SHA-1

  Value parameter changes in version 8.0.23:

  - Default is SCRAM-SHA-1

- **authentication_ldap_sasl_bind_base_dn**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_bind_root_dn**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_bind_root_pwd**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_ca_path**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_group_search_attr**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_group_search_filter**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_init_pool_size**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_log_status**

  Introduced in version 8.0.11

  Value parameter changes in version 8.0.18:

  - Default is 1, minimum is 1, maximum is 6

- **authentication_ldap_sasl_max_pool_size**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_referral**

  Introduced in version 8.0.20

- **authentication_ldap_sasl_server_host**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_server_port**

  Introduced in version 8.0.11

- **Authentication_ldap_sasl_supported_methods**

  Introduced in version 8.0.21

- **authentication_ldap_sasl_tls**

  Introduced in version 8.0.11

- **authentication_ldap_sasl_user_search_attr**

  Introduced in version 8.0.11

- **authentication_ldap_simple_auth_method_name**

  Introduced in version 8.0.11

- **authentication_ldap_simple_bind_base_dn**

  Introduced in version 8.0.11

- **authentication_ldap_simple_bind_root_dn**

  Introduced in version 8.0.11

- **authentication_ldap_simple_bind_root_pwd**

  Introduced in version 8.0.11

- **authentication_ldap_simple_ca_path**

  Introduced in version 8.0.11

- **authentication_ldap_simple_group_search_attr**

  Introduced in version 8.0.11

- **authentication_ldap_simple_group_search_filter**

  Introduced in version 8.0.11

- **authentication_ldap_simple_init_pool_size**

  Introduced in version 8.0.11

- **authentication_ldap_simple_log_status**

  Introduced in version 8.0.11

  Value parameter changes in version 8.0.18:

  - Default is 1, minimum is 1, maximum is 6

- **authentication_ldap_simple_max_pool_size**

  Introduced in version 8.0.11

- **authentication_ldap_simple_referral**

  Introduced in version 8.0.20

- **authentication_ldap_simple_server_host**

  Introduced in version 8.0.11

- **authentication_ldap_simple_server_port**

  Introduced in version 8.0.11

- **authentication_ldap_simple_tls**

  Introduced in version 8.0.11

- **authentication_ldap_simple_user_search_attr**

  Introduced in version 8.0.11

- **authentication_policy**

  Introduced in version 8.0.27

- **authentication_windows_log_level**

  Introduced in version 8.0.11

- **authentication_windows_use_principal_name**

  Introduced in version 8.0.11

- **basedir**

  Value parameter changes in version 8.0.2:

  - Default is parent of mysqld installation directory

- **binlog_encryption**

  Introduced in version 8.0.14

- **binlog_expire_logs_auto_purge**

  Introduced in version 8.0.29

- **binlog_expire_logs_seconds**

  Introduced in version 8.0.1

  Value parameter changes in version 8.0.11:

  - Default is 2592000, minimum is 0, maximum is 4294967295

- **binlog_format**

Deprecated in version 8.0.34

- **binlog_rotate_encryption_master_key_at_startup**

  Introduced in version 8.0.14

- **binlog_row_metadata**

  Introduced in version 8.0.1

- **binlog_row_value_options**

  Introduced in version 8.0.3

- **binlog_transaction_compression**

  Introduced in version 8.0.20

- **binlog_transaction_compression_level_zstd**

  Introduced in version 8.0.20

- **binlog_transaction_dependency_history_size**

  Introduced in version 8.0.1

- **binlog_transaction_dependency_tracking**

  Introduced in version 8.0.1

  Deprecated in version 8.0.35

- **build_id**

  Introduced in version 8.0.31

- **caching_sha2_password_auto_generate_rsa_keys**

  Introduced in version 8.0.4

- **caching_sha2_password_digest_rounds**

  Introduced in version 8.0.24

- **caching_sha2_password_private_key_path**

  Introduced in version 8.0.3

- **caching_sha2_password_public_key_path**

  Introduced in version 8.0.3

- **Caching_sha2_password_rsa_public_key**

  Introduced in version 8.0.4

- **character_set_client**

  Value parameter changes in version 8.0.1:

  - Default is utf8mb4
- **character-set-client-handshake**

  Deprecated in version 8.0.35
- **character_set_connection**

  Value parameter changes in version 8.0.1:

  - Default is utf8mb4
- **character_set_database**

  Value parameter changes in version 8.0.1:

  - Default is utf8mb4
- **character_set_results**

  Value parameter changes in version 8.0.1:

  - Default is utf8mb4
- **character_set_server**

  Value parameter changes in version 8.0.1:

  - Default is utf8mb4
- **character_set_system**

  Value parameter changes in version 8.0.1:

  - Default is utf8mb3
- **check-table-functions**

  Introduced in version 8.0.42
- **clone_autotune_concurrency**

  Introduced in version 8.0.17
- **clone_block_ddl**

  Introduced in version 8.0.27
- **clone_buffer_size**

  Introduced in version 8.0.17
- **clone_ddl_timeout**

  Introduced in version 8.0.17
- **clone_delay_after_data_drop**

  Introduced in version 8.0.29

- **clone_donor_timeout_after_network_failure**

  Introduced in version 8.0.24

- **clone_enable_compression**

  Introduced in version 8.0.17

- **clone_max_concurrency**

  Introduced in version 8.0.17

- **clone_max_data_bandwidth**

  Introduced in version 8.0.17

- **clone_max_network_bandwidth**

  Introduced in version 8.0.17

- **clone_ssl_ca**

  Introduced in version 8.0.14

- **clone_ssl_cert**

  Introduced in version 8.0.14

- **clone_ssl_key**

  Introduced in version 8.0.14

- **clone_valid_donor_list**

  Introduced in version 8.0.17

- **collation_database**

  Value parameter changes in version 8.0.1:

  - Default is utf8mb4_0900_ai_ci

- **collation_server**

  Value parameter changes in version 8.0.1:

  - Default is utf8mb4_0900_ai_ci

- **Com_alter_resource_group**

  Introduced in version 8.0.3

- **Com_alter_user_default_role**

  Introduced in version 8.0.0

- **Com_change_replication_source**

  Introduced in version 8.0.23

- **Com_clone**

  Introduced in version 8.0.2

- **Com_create_resource_group**

  Introduced in version 8.0.3

- **Com_create_role**

  Introduced in version 8.0.0

- **Com_drop_resource_group**

  Introduced in version 8.0.3

- **Com_drop_role**

  Introduced in version 8.0.0

- **Com_grant_roles**

  Introduced in version 8.0.0

- **Com_install_component**

  Introduced in version 8.0.0

- **Com_replica_start**

  Introduced in version 8.0.22

- **Com_replica_stop**

  Introduced in version 8.0.22

- **Com_restart**

  Introduced in version 8.0.4

- **Com_revoke_roles**

  Introduced in version 8.0.0

- **Com_set_resource_group**

  Introduced in version 8.0.3

- **Com_set_role**

  Introduced in version 8.0.0

- **Com_show_replica_status**

  Introduced in version 8.0.22

- **Com_show_replicas**

  Introduced in version 8.0.22

- **Com_uninstall_component**

  Introduced in version 8.0.0

- **component_scheduler.enabled**

  Introduced in version 8.0.34

- **Compression**

  Deprecated in version 8.0.18

- **Compression_algorithm**

  Introduced in version 8.0.18

- **Compression_level**

  Introduced in version 8.0.18

- **Connection_control_delay_generated**

  Introduced in version 8.0.1

- **connection_control_failed_connections_threshold**

  Introduced in version 8.0.1

- **connection_control_max_connection_delay**

  Introduced in version 8.0.1

- **connection_control_min_connection_delay**

  Introduced in version 8.0.1

- **connection_memory_chunk_size**

  Introduced in version 8.0.28

  Value parameter changes in version 8.0.34:

  - Default is 8192, minimum is 0, maximum is 536870912

- **connection_memory_limit**

  Introduced in version 8.0.28

- **create_admin_listener_thread**

  Introduced in version 8.0.14

- **cte_max_recursion_depth**

  Introduced in version 8.0.3

- **Current_tls_ca**

  Introduced in version 8.0.16

- **Current_tls_capath**

  Introduced in version 8.0.16

- **Current_tls_cert**

  Introduced in version 8.0.16

- **Current_tls_cipher**

  Introduced in version 8.0.16

- **Current_tls_ciphersuites**

  Introduced in version 8.0.16

- **Current_tls_crl**

  Introduced in version 8.0.16

- **Current_tls_crlpath**

  Introduced in version 8.0.16

- **Current_tls_key**

  Introduced in version 8.0.16

- **Current_tls_version**

  Introduced in version 8.0.16

- **daemon_memcached_enable_binlog**

  Deprecated in version 8.0.22

- **daemon_memcached_engine_lib_name**

  Deprecated in version 8.0.22

- **daemon_memcached_engine_lib_path**

  Deprecated in version 8.0.22

- **daemon_memcached_option**

  Deprecated in version 8.0.22

- **daemon_memcached_r_batch_size**

  Deprecated in version 8.0.22

- **daemon_memcached_w_batch_size**

  Deprecated in version 8.0.22

- **date_format**

  Removed in version 8.0.3

- **datetime_format**

  Removed in version 8.0.3

- **ddl-rewriter**

  Introduced in version 8.0.16

- **default_authentication_plugin**

  Deprecated in version 8.0.27

  Value parameter changes in version 8.0.3:

  - Default is mysql_native_password

  Value parameter changes in version 8.0.4:

  - Default is caching_sha2_password

- **default_collation_for_utf8mb4**

  Introduced in version 8.0.11

- **default_table_encryption**

  Introduced in version 8.0.16

- **des-key-file**

  Removed in version 8.0.3

- **disconnect-slave-event-count**

  Deprecated in version 8.0.29

- **dragnet.log_error_filter_rules**

  Introduced in version 8.0.4

- **dragnet.Status**

  Introduced in version 8.0.12

- **early-plugin-load**

  Introduced in version 8.0.0

- **enterprise_encryption.maximum_rsa_key_size**

  Introduced in version 8.0.30

- **enterprise_encryption.rsa_support_legacy_padding**

  Introduced in version 8.0.30

- **Error_log_buffered_bytes**

  Introduced in version 8.0.22

- **Error_log_buffered_events**

  Introduced in version 8.0.22

- **Error_log_expired_events**

  Introduced in version 8.0.22

- **Error_log_latest_write**

  Introduced in version 8.0.22

- **event_scheduler**

  Value parameter changes in version 8.0.3:

  - Default is ON

- **expire_logs_days**

  Deprecated in version 8.0.3

  Value parameter changes in version 8.0.2:

  - Default is 30, minimum is 0, maximum is 99

  Value parameter changes in version 8.0.11:

  - Default is 0, minimum is 0, maximum is 99

- **explain_format**

  Introduced in version 8.0.32

- **explicit_defaults_for_timestamp**

  Value parameter changes in version 8.0.2:

  - Default is ON

- **Firewall_access_denied**

  Introduced in version 8.0.11

- **Firewall_access_granted**

  Introduced in version 8.0.11

- **Firewall_cached_entries**

  Introduced in version 8.0.11

- **generated_random_password_length**

  Introduced in version 8.0.18

- **Global_connection_memory**

  Introduced in version 8.0.28

- **global_connection_memory_limit**

  Introduced in version 8.0.28

- **global_connection_memory_tracking**

  Introduced in version 8.0.28

- **group_replication_advertise_recovery_endpoints**

  Introduced in version 8.0.21

- **group_replication_allow_local_disjoint_gtids_join**

  Removed in version 8.0.4

- **group_replication_autorejoin_tries**

  Introduced in version 8.0.16

  Value parameter changes in version 8.0.21:

  - Default is 3, minimum is 0, maximum is 2016

- **group_replication_clone_threshold**

  Introduced in version 8.0.17

- **group_replication_communication_debug_options**

  Introduced in version 8.0.3

- **group_replication_communication_max_message_size**

  Introduced in version 8.0.16

- **group_replication_communication_stack**

  Introduced in version 8.0.27

- **group_replication_components_stop_timeout**

  Value parameter changes in version 8.0.27:

  - Default is 300, minimum is 2, maximum is 31536000

- **group_replication_consistency**

  Introduced in version 8.0.14

- **group_replication_exit_state_action**

  Introduced in version 8.0.12

  Value parameter changes in version 8.0.16:

  - Default is READ_ONLY

  Value parameter changes in version 8.0.18:

- Default is READ_ONLY

- **group_replication_flow_control_hold_percent**

  Introduced in version 8.0.2

- **group_replication_flow_control_max_quota**

  Introduced in version 8.0.2

- **group_replication_flow_control_member_quota_percent**

  Introduced in version 8.0.2

- **group_replication_flow_control_min_quota**

  Introduced in version 8.0.2

- **group_replication_flow_control_min_recovery_quota**

  Introduced in version 8.0.2

- **group_replication_flow_control_period**

  Introduced in version 8.0.2

- **group_replication_flow_control_release_percent**

  Introduced in version 8.0.2

- **group_replication_ip_allowlist**

  Introduced in version 8.0.22

- **group_replication_ip_whitelist**

  Deprecated in version 8.0.22

- **group_replication_member_expel_timeout**

  Introduced in version 8.0.13

  Value parameter changes in version 8.0.14:

  - Default is 0, minimum is 0, maximum is 3600

  Value parameter changes in version 8.0.21:

  - Default is 5, minimum is 0, maximum is 3600

- **group_replication_member_weight**

  Introduced in version 8.0.2

- **group_replication_message_cache_size**

  Introduced in version 8.0.16

  Value parameter changes in version 8.0.21 (bitsize=64):

- Default is 1073741824 (1 GB), minimum is 134217728 (128 MB), maximum is 18446744073709551615 (16 EiB)

Value parameter changes in version 8.0.21 (bitsize=32):

- Default is 1073741824 (1 GB), minimum is 134217728 (128 MB), maximum is 315360004294967295 (4 GB)

- **group_replication_paxos_single_leader**

  Introduced in version 8.0.27

- **group_replication_primary_member**

  Deprecated in version 8.0.4

- **group_replication_recovery_complete_at**

  Deprecated in version 8.0.34

- **group_replication_recovery_compression_algorithms**

  Introduced in version 8.0.18

- **group_replication_recovery_get_public_key**

  Introduced in version 8.0.4

- **group_replication_recovery_public_key_path**

  Introduced in version 8.0.4

- **group_replication_recovery_tls_ciphersuites**

  Introduced in version 8.0.19

- **group_replication_recovery_tls_version**

  Introduced in version 8.0.19

  Value parameter changes in version 8.0.28:

  - Default is TLSv1.2,TLSv1.3

- **group_replication_recovery_zstd_compression_level**

  Introduced in version 8.0.18

- **group_replication_tls_source**

  Introduced in version 8.0.21

- **group_replication_unreachable_majority_timeout**

  Introduced in version 8.0.2

- **group_replication_view_change_uuid**

  Introduced in version 8.0.26

- **gtid_executed_compression_period**

  Value parameter changes in version 8.0.23:

  - Default is 0, minimum is 0, maximum is 4294967295

- **have_crypt**

  Removed in version 8.0.3

- **have_openssl**

  Deprecated in version 8.0.26

- **have_ssl**

  Deprecated in version 8.0.26

- **histogram_generation_max_mem_size**

  Introduced in version 8.0.2

- **ignore_builtin_innodb**

  Removed in version 8.0.3

- **immediate_server_version**

  Introduced in version 8.0.14

- **information_schema_stats_expiry**

  Introduced in version 8.0.3

- **init_replica**

  Introduced in version 8.0.26

- **init_slave**

  Deprecated in version 8.0.26

- **innodb_api_bk_commit_interval**

  Deprecated in version 8.0.22

- **innodb_api_disable_rowlock**

  Deprecated in version 8.0.22

- **innodb_api_enable_binlog**

  Deprecated in version 8.0.22

- **innodb_api_enable_mdl**

  Deprecated in version 8.0.22

- **innodb_api_trx_level**

Deprecated in version 8.0.22

- **innodb_autoinc_lock_mode**

  Value parameter changes in version 8.0.3:

  - Default is 2, minimum is not specified, maximum is not specified

- **Innodb_available_undo_logs**

  Removed in version 8.0.2

- **innodb_buffer_pool_debug**

  Introduced in version 8.0.0

- **innodb_buffer_pool_in_core_file**

  Introduced in version 8.0.14

- **Innodb_buffer_pool_resize_status_code**

  Introduced in version 8.0.31

- **Innodb_buffer_pool_resize_status_progress**

  Introduced in version 8.0.31

- **innodb_checkpoint_disabled**

  Introduced in version 8.0.2

- **innodb_ddl_buffer_size**

  Introduced in version 8.0.27

- **innodb_ddl_log_crash_reset_debug**

  Introduced in version 8.0.3

- **innodb_ddl_threads**

  Introduced in version 8.0.27

- **innodb_deadlock_detect**

  Introduced in version 8.0.0

- **innodb-dedicated-server**

  Introduced in version 8.0.3

- **innodb_directories**

  Introduced in version 8.0.4

- **innodb_doublewrite**

  Value parameter changes in version 8.0.30:

- Default is ON

- **innodb_doublewrite_batch_size**

  Introduced in version 8.0.20

- **innodb_doublewrite_dir**

  Introduced in version 8.0.20

- **innodb_doublewrite_files**

  Introduced in version 8.0.20

- **innodb_doublewrite_pages**

  Introduced in version 8.0.20

- **innodb_extend_and_initialize**

  Introduced in version 8.0.22

- **innodb_flush_neighbors**

  Value parameter changes in version 8.0.3:

  - Default is 0

- **innodb_fsync_threshold**

  Introduced in version 8.0.13

- **innodb_idle_flush_pct**

  Introduced in version 8.0.18

- **innodb_log_checkpoint_fuzzy_now**

  Introduced in version 8.0.13

- **innodb_log_file_size**

  Deprecated in version 8.0.30

- **innodb_log_files_in_group**

  Deprecated in version 8.0.30

- **innodb_log_spin_cpu_abs_lwm**

  Introduced in version 8.0.11

- **innodb_log_spin_cpu_pct_hwm**

  Introduced in version 8.0.11

- **innodb_log_wait_for_flush_spin_hwm**

  Introduced in version 8.0.11

- **innodb_log_writer_threads**

  Introduced in version 8.0.22

- **innodb_max_dirty_pages_pct**

  Value parameter changes in version 8.0.3:

  - Default is 90, minimum is 0, maximum is 99.999

- **innodb_max_dirty_pages_pct_lwm**

  Value parameter changes in version 8.0.3:

  - Default is 10, minimum is 0, maximum is 99.999

- **innodb_parallel_read_threads**

  Introduced in version 8.0.14

- **innodb_print_ddl_logs**

  Introduced in version 8.0.3

- **innodb_redo_log_archive_dirs**

  Introduced in version 8.0.17

- **innodb_redo_log_capacity**

  Introduced in version 8.0.30

  Value parameter changes in version 8.0.34:

  - Default is 104857600, minimum is 8388608, maximum is 549755813888

- **Innodb_redo_log_capacity_resized**

  Introduced in version 8.0.30

- **Innodb_redo_log_checkpoint_lsn**

  Introduced in version 8.0.30

- **Innodb_redo_log_current_lsn**

  Introduced in version 8.0.30

- **Innodb_redo_log_enabled**

  Introduced in version 8.0.21

- **innodb_redo_log_encrypt**

  Introduced in version 8.0.1

- **Innodb_redo_log_flushed_to_disk_lsn**

  Introduced in version 8.0.30

- **Innodb_redo_log_logical_size**

  Introduced in version 8.0.30

- **Innodb_redo_log_physical_size**

  Introduced in version 8.0.30

- **Innodb_redo_log_read_only**

  Introduced in version 8.0.30

- **Innodb_redo_log_resize_status**

  Introduced in version 8.0.30

- **Innodb_redo_log_uuid**

  Introduced in version 8.0.30

- **innodb_scan_directories**

  Introduced in version 8.0.2

  Removed in version 8.0.4

- **innodb_segment_reserve_factor**

  Introduced in version 8.0.26

- **innodb_spin_wait_delay**

  Value parameter changes in version 8.0.14:

  - Default is 6, minimum is 0, maximum is 1000

- **innodb_spin_wait_pause_multiplier**

  Introduced in version 8.0.16

- **innodb_stats_include_delete_marked**

  Introduced in version 8.0.1

- **Innodb_system_rows_deleted**

  Introduced in version 8.0.19

- **Innodb_system_rows_inserted**

  Introduced in version 8.0.19

- **Innodb_system_rows_read**

  Introduced in version 8.0.19

- **Innodb_system_rows_updated**

  Introduced in version 8.0.19

- **innodb_temp_tablespaces_dir**

  Introduced in version 8.0.13

- **innodb_tmpdir**

  Introduced in version 8.0.0

- **innodb_undo_log_encrypt**

  Introduced in version 8.0.1

- **innodb_undo_log_truncate**

  Value parameter changes in version 8.0.2:

  - Default is ON

- **innodb_undo_logs**

  Removed in version 8.0.2

- **innodb_undo_tablespaces**

  Deprecated in version 8.0.4

  Value parameter changes in version 8.0.2:

  - Default is 2, minimum is 0, maximum is 127

  Value parameter changes in version 8.0.3:

  - Default is 2, minimum is 2, maximum is 127

- **Innodb_undo_tablespaces_active**

  Introduced in version 8.0.14

- **Innodb_undo_tablespaces_explicit**

  Introduced in version 8.0.14

- **Innodb_undo_tablespaces_implicit**

  Introduced in version 8.0.14

- **Innodb_undo_tablespaces_total**

  Introduced in version 8.0.14

- **innodb_use_fdatasync**

  Introduced in version 8.0.26

- **innodb_validate_tablespace_paths**

  Introduced in version 8.0.21

- **internal_tmp_disk_storage_engine**

Removed in version 8.0.16

- **internal_tmp_mem_storage_engine**

  Introduced in version 8.0.2

- **keyring_aws_cmk_id**

  Introduced in version 8.0.11

- **keyring_aws_conf_file**

  Introduced in version 8.0.11

- **keyring_aws_data_file**

  Introduced in version 8.0.11

- **keyring_aws_region**

  Introduced in version 8.0.11

  Value parameter changes in version 8.0.17:

  - Default is us-east-1

  Value parameter changes in version 8.0.30:

  - Default is us-east-1

- **keyring_encrypted_file_data**

  Introduced in version 8.0.11

  Deprecated in version 8.0.34

- **keyring_encrypted_file_password**

  Introduced in version 8.0.11

  Deprecated in version 8.0.34

- **keyring_file_data**

  Deprecated in version 8.0.34

- **keyring_hashicorp_auth_path**

  Introduced in version 8.0.18

- **keyring_hashicorp_ca_path**

  Introduced in version 8.0.18

- **keyring_hashicorp_caching**

  Introduced in version 8.0.18

- **keyring_hashicorp_commit_auth_path**

Introduced in version 8.0.18

- **keyring_hashicorp_commit_ca_path**

  Introduced in version 8.0.18

- **keyring_hashicorp_commit_caching**

  Introduced in version 8.0.18

- **keyring_hashicorp_commit_role_id**

  Introduced in version 8.0.18

- **keyring_hashicorp_commit_server_url**

  Introduced in version 8.0.18

- **keyring_hashicorp_commit_store_path**

  Introduced in version 8.0.18

- **keyring_hashicorp_role_id**

  Introduced in version 8.0.18

- **keyring_hashicorp_secret_id**

  Introduced in version 8.0.18

- **keyring_hashicorp_server_url**

  Introduced in version 8.0.18

- **keyring_hashicorp_store_path**

  Introduced in version 8.0.18

- **keyring-migration-destination**

  Introduced in version 8.0.4

- **keyring-migration-host**

  Introduced in version 8.0.4

- **keyring-migration-password**

  Introduced in version 8.0.4

- **keyring-migration-port**

  Introduced in version 8.0.4

- **keyring-migration-socket**

  Introduced in version 8.0.4

- **keyring-migration-source**

Introduced in version 8.0.4

- **keyring-migration-to-component**

  Introduced in version 8.0.24

- **keyring-migration-user**

  Introduced in version 8.0.4

- **keyring_oci_ca_certificate**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_compartment**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_encryption_endpoint**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_key_file**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_key_fingerprint**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_management_endpoint**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_master_key**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_secrets_endpoint**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_tenancy**

Introduced in version 8.0.22

Deprecated in version 8.0.31

- **keyring_oci_user**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_vaults_endpoint**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_oci_virtual_vault**

  Introduced in version 8.0.22

  Deprecated in version 8.0.31

- **keyring_okv_conf_dir**

  Introduced in version 8.0.11

- **keyring_operations**

  Introduced in version 8.0.4

- **local_infile**

  Value parameter changes in version 8.0.2:

  - Default is OFF

- **lock_order**

  Introduced in version 8.0.17

- **lock_order_debug_loop**

  Introduced in version 8.0.17

- **lock_order_debug_missing_arc**

  Introduced in version 8.0.17

- **lock_order_debug_missing_key**

  Introduced in version 8.0.17

- **lock_order_debug_missing_unlock**

  Introduced in version 8.0.17

- **lock_order_dependencies**

  Introduced in version 8.0.17

- **lock_order_extra_dependencies**

  Introduced in version 8.0.17

- **lock_order_output_directory**

  Introduced in version 8.0.17

- **lock_order_print_txt**

  Introduced in version 8.0.17

- **lock_order_trace_loop**

  Introduced in version 8.0.17

- **lock_order_trace_missing_arc**

  Introduced in version 8.0.17

- **lock_order_trace_missing_key**

  Introduced in version 8.0.17

- **lock_order_trace_missing_unlock**

  Introduced in version 8.0.17

- **log_bin_trust_function_creators**

  Deprecated in version 8.0.34

- **log_bin_use_v1_row_events**

  Deprecated in version 8.0.18

- **log_builtin_as_identified_by_password**

  Removed in version 8.0.11

- **log_error_filter_rules**

  Introduced in version 8.0.2

  Removed in version 8.0.4

- **log_error_services**

  Introduced in version 8.0.2

- **log_error_suppression_list**

  Introduced in version 8.0.13

- **log_error_verbosity**

  Value parameter changes in version 8.0.4:

  - Default is 2, minimum is 1, maximum is 3

- **log_replica_updates**

  Introduced in version 8.0.26

- **log_slave_updates**

  Deprecated in version 8.0.26

  Value parameter changes in version 8.0.3:

  - Default is ON

- **log_slow_extra**

  Introduced in version 8.0.14

- **log_slow_replica_statements**

  Introduced in version 8.0.26

- **log_slow_slave_statements**

  Deprecated in version 8.0.26

- **log_statements_unsafe_for_binlog**

  Deprecated in version 8.0.34

- **log_syslog**

  Removed in version 8.0.13

  Deprecated in version 8.0.2

  Value parameter changes in version 8.0.2:

  - Default is ON (when error logging to system log is enabled)

- **log_syslog_facility**

  Removed in version 8.0.13

- **log_syslog_include_pid**

  Removed in version 8.0.13

- **log_syslog_tag**

  Removed in version 8.0.13

- **log-warnings**

  Removed in version 8.0.3

- **mandatory_roles**

  Introduced in version 8.0.2

- **master-info-file**

Deprecated in version 8.0.18

- **master_info_repository**

  Deprecated in version 8.0.23

  Value parameter changes in version 8.0.2:

  - Default is TABLE

- **master_verify_checksum**

  Deprecated in version 8.0.26

- **max_allowed_packet**

  Value parameter changes in version 8.0.3:

  - Default is 67108864, minimum is 1024, maximum is 1073741824

- **max_error_count**

  Value parameter changes in version 8.0.3:

  - Default is 1024, minimum is 0, maximum is 65535

- **max_length_for_sort_data**

  Deprecated in version 8.0.20

  Value parameter changes in version 8.0.1:

  - Default is 4096, minimum is 4, maximum is 8388608

- **max_prepared_stmt_count**

  Value parameter changes in version 8.0.18:

  - Default is 16382, minimum is 0, maximum is 4194304

- **max_tmp_tables**

  Removed in version 8.0.3

- **metadata_locks_cache_size**

  Removed in version 8.0.13

- **metadata_locks_hash_instances**

  Removed in version 8.0.13

- **multi_range_count**

  Removed in version 8.0.3

- **myisam_repair_threads**

  Removed in version 8.0.30

Deprecated in version 8.0.29

- **mysql_firewall_mode**

  Introduced in version 8.0.11

- **mysql_firewall_trace**

  Introduced in version 8.0.11

- **mysql_native_password_proxy_users**

  Deprecated in version 8.0.16

- **mysqlx**

  Introduced in version 8.0.11

- **Mysqlx_bytes_received_compressed_payload**

  Introduced in version 8.0.19

- **Mysqlx_bytes_received_uncompressed_frame**

  Introduced in version 8.0.19

- **Mysqlx_bytes_sent_compressed_payload**

  Introduced in version 8.0.19

- **Mysqlx_bytes_sent_uncompressed_frame**

  Introduced in version 8.0.19

- **Mysqlx_compression_algorithm**

  Introduced in version 8.0.20

- **mysqlx_compression_algorithms**

  Introduced in version 8.0.19

- **Mysqlx_compression_level**

  Introduced in version 8.0.20

- **mysqlx_deflate_default_compression_level**

  Introduced in version 8.0.20

- **mysqlx_deflate_max_client_compression_level**

  Introduced in version 8.0.20

- **mysqlx_interactive_timeout**

  Introduced in version 8.0.4

- **mysqlx_lz4_default_compression_level**

Introduced in version 8.0.20

- **mysqlx_lz4_max_client_compression_level**

  Introduced in version 8.0.20

- **mysqlx_read_timeout**

  Introduced in version 8.0.4

- **mysqlx_wait_timeout**

  Introduced in version 8.0.4

- **mysqlx_write_timeout**

  Introduced in version 8.0.4

- **mysqlx_zstd_default_compression_level**

  Introduced in version 8.0.20

- **mysqlx_zstd_max_client_compression_level**

  Introduced in version 8.0.20

- **named_pipe_full_access_group**

  Introduced in version 8.0.14

- **Ndb_api_adaptive_send_deferred_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_adaptive_send_deferred_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_adaptive_send_forced_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_adaptive_send_forced_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_adaptive_send_unforced_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_adaptive_send_unforced_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_bytes_received_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_bytes_received_count_slave**

Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_bytes_sent_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_bytes_sent_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_pk_op_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_pk_op_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_pruned_scan_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_pruned_scan_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_range_scan_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_range_scan_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_read_row_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_read_row_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_scan_batch_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_scan_batch_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_table_scan_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_table_scan_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_abort_count_replica**

Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_abort_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_close_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_close_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_commit_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_commit_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_local_read_row_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_local_read_row_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_start_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_trans_start_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_uk_op_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_uk_op_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_wait_exec_complete_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_wait_exec_complete_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_wait_meta_request_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_wait_meta_request_count_slave**

Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_wait_nanos_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_wait_nanos_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_api_wait_scan_result_count_replica**

  Introduced in version 8.0.23-ndb-8.0.23

- **Ndb_api_wait_scan_result_count_slave**

  Deprecated in version 8.0.23-ndb-8.0.23

- **ndb-applier-allow-skip-epoch**

  Introduced in version 8.0.28-ndb-8.0.28

- **ndb_autoincrement_prefetch_sz**

  Value parameter changes in version 8.0.19-ndb-8.0.19:

  - Default is 512, minimum is 1, maximum is 65536

- **ndb-batch-size**

  Value parameter changes in version 8.0.29-ndb-8.0.29:

  - Default is 32768, minimum is 0, maximum is 2147483648

- **ndb_cache_check_time**

  Removed in version 8.0.1

- **Ndb_config_generation**

  Introduced in version 8.0.24-ndb-8.0.24

- **Ndb_conflict_fn_max_del_win_ins**

  Introduced in version 8.0.30-ndb-8.0.30

- **Ndb_conflict_fn_max_ins**

  Introduced in version 8.0.30-ndb-8.0.30

- **ndb_conflict_role**

  Introduced in version 8.0.23-ndb-8.0.23

- **ndb_dbg_check_shares**

  Introduced in version 8.0.13-ndb-8.0.13

- **ndb_eventbuffer_max_alloc**

Value parameter changes in version 8.0.26-ndb-8.0.26:

- Default is 0, minimum is 0, maximum is 9223372036854775807

- **Ndb_fetch_table_stats**

  Introduced in version 8.0.27-ndb-8.0.27

- **ndb_log_bin**

  Value parameter changes in version 8.0.16-ndb-8.0.16:

  - Default is OFF

- **ndb_log_cache_size**

  Introduced in version 8.0.40-ndb_8.0.40

- **ndb-log-fail-terminate**

  Introduced in version 8.0.21-ndb-8.0.21

- **ndb_log_transaction_compression**

  Introduced in version 8.0.31-ndb-8.0.31

- **ndb_log_transaction_compression_level_zstd**

  Introduced in version 8.0.31-ndb-8.0.31

- **ndb-log-transaction-dependency**

  Introduced in version 8.0.33-ndb-8.0.33

- **Ndb_metadata_blacklist_size**

  Introduced in version 8.0.18-ndb-8.0.18

  Removed in version 8.0.22-ndb-8.0.22

  Deprecated in version 8.0.21-ndb-8.0.21

- **ndb_metadata_check**

  Introduced in version 8.0.16-ndb-8.0.16

- **ndb_metadata_check_interval**

  Introduced in version 8.0.16-ndb-8.0.16

- **Ndb_metadata_detected_count**

  Introduced in version 8.0.16-ndb-8.0.16

- **Ndb_metadata_excluded_count**

  Introduced in version 8.0.18-ndb-8.0.22

- **ndb_metadata_sync**

Introduced in version 8.0.19-ndb-8.0.19

- **Ndb_metadata_synced_count**

  Introduced in version 8.0.18-ndb-8.0.18

- **ndb_read_backup**

  Value parameter changes in version 8.0.19-ndb-8.0.19:

  - Default is ON

- **ndb_replica_batch_size**

  Introduced in version 8.0.30-ndb-8.0.30

- **ndb_replica_blob_write_batch_bytes**

  Introduced in version 8.0.30-ndb-8.0.30

- **Ndb_replica_max_replicated_epoch**

  Deprecated in version 8.0.23-ndb-8.0.23

- **ndb_schema_dist_lock_wait_timeout**

  Introduced in version 8.0.18-ndb-8.0.18

- **ndb-schema-dist-timeout**

  Introduced in version 8.0.17-ndb-8.0.17

- **ndb_schema_dist_timeout**

  Introduced in version 8.0.16-ndb-8.0.16

- **ndb_schema_dist_upgrade_allowed**

  Introduced in version 8.0.17-ndb-8.0.17

- **Ndb_schema_participant_count**

  Introduced in version 8.0.42

- **ndb_slave_conflict_role**

  Deprecated in version 8.0.23-ndb-8.0.23

- **Ndb_trans_hint_count_session**

  Introduced in version 8.0.17-ndb-8.0.17

- **ndb-wait-connected**

  Value parameter changes in version 8.0.27-ndb-8.0.27:

  - Default is 120, minimum is 0, maximum is 31536000

- **ndb-wait-setup**

Value parameter changes in version 8.0.27-ndb-8.0.27:

- Default is 120, minimum is 0, maximum is 31536000

- **ndbcluster**

  Value parameter changes in version 8.0.13-ndb-8.0.13:

  - Default is ON

- **ndbinfo**

  Introduced in version 8.0.13-ndb-8.0.13

- **new**

  Deprecated in version 8.0.35

- **no-dd-upgrade**

  Introduced in version 8.0.4

  Deprecated in version 8.0.16

- **no-monitor**

  Introduced in version 8.0.12

- **old**

  Deprecated in version 8.0.35

- **old_passwords**

  Removed in version 8.0.11

- **old-style-user-limits**

  Deprecated in version 8.0.30

- **optimizer_switch**

  Value parameter changes in version 8.0.3:

  - Default is not specified

  Value parameter changes in version 8.0.13:

  - Default is not specified

  Value parameter changes in version 8.0.18:

  - Default is not specified

  Value parameter changes in version 8.0.21:

  - Default is not specified

  Value parameter changes in version 8.0.22:

  - Default is not specified
- **optimizer_trace_max_mem_size**

  Value parameter changes in version 8.0.4:

  - Default is 1048576, minimum is 0, maximum is 4294967295
- **original_commit_timestamp**

  Introduced in version 8.0.1
- **original_server_version**

  Introduced in version 8.0.14
- **partial_revokes**

  Introduced in version 8.0.16
- **password_history**

  Introduced in version 8.0.3
- **password_require_current**

  Introduced in version 8.0.13
- **password_reuse_interval**

  Introduced in version 8.0.3
- **performance-schema-consumer-events-statements-cpu**

  Introduced in version 8.0.28
- **performance_schema_max_cond_classes**

  Value parameter changes in version 8.0.12:

  - Default is 80, minimum is 0, maximum is 1024

  Value parameter changes in version 8.0.13:

  - Default is 100, minimum is 0, maximum is 1024

  Value parameter changes in version 8.0.27:

  - Default is 150, minimum is 0, maximum is 1024
- **performance_schema_max_digest_sample_age**

  Introduced in version 8.0.3
- **performance_schema_max_file_classes**

  Value parameter changes in version 8.0.12:

  - Default is 80, minimum is 0, maximum is 1024

- **performance_schema_max_memory_classes**

  Value parameter changes in version 8.0.1:

  - Default is 450, minimum is 0, maximum is 1024

- **performance_schema_max_mutex_classes**

  Value parameter changes in version 8.0.1:

  - Default is 220, minimum is 0, maximum is 256

  Value parameter changes in version 8.0.3:

  - Default is 250, minimum is 0, maximum is 256

  Value parameter changes in version 8.0.12:

  - Default is 300, minimum is 0, maximum is 1024

  Value parameter changes in version 8.0.27:

  - Default is 350, minimum is 0, maximum is 1024

- **performance_schema_max_rwlock_classes**

  Value parameter changes in version 8.0.3:

  - Default is 60, minimum is 0, maximum is 256

  Value parameter changes in version 8.0.12:

  - Default is 100, minimum is 0, maximum is 1024

- **performance_schema_max_socket_classes**

  Value parameter changes in version 8.0.12:

  - Default is 10, minimum is 0, maximum is 1024

- **performance_schema_max_stage_classes**

  Value parameter changes in version 8.0.12:

  - Default is 150, minimum is 0, maximum is 1024

  Value parameter changes in version 8.0.13:

  - Default is 175, minimum is 0, maximum is 1024

- **performance_schema_max_thread_classes**

  Value parameter changes in version 8.0.3:

  - Default is 100, minimum is 0, maximum is 256

  Value parameter changes in version 8.0.12:

  - Default is 100, minimum is 0, maximum is 1024

- **performance_schema_show_processlist**

  Introduced in version 8.0.22

  Deprecated in version 8.0.35

- **persist_only_admin_x509_subject**

  Introduced in version 8.0.14

- **persist_sensitive_variables_in_plaintext**

  Introduced in version 8.0.29

- **persisted_globals_load**

  Introduced in version 8.0.0

- **print_identified_with_as_hex**

  Introduced in version 8.0.17

- **protocol_compression_algorithms**

  Introduced in version 8.0.18

- **pseudo_replica_mode**

  Introduced in version 8.0.26

- **pseudo_slave_mode**

  Deprecated in version 8.0.26

- **Qcache_free_blocks**

  Removed in version 8.0.3

- **Qcache_free_memory**

  Removed in version 8.0.3

- **Qcache_hits**

  Removed in version 8.0.3

- **Qcache_inserts**

  Removed in version 8.0.3

- **Qcache_lowmem_prunes**

  Removed in version 8.0.3

- **Qcache_not_cached**

  Removed in version 8.0.3

- **Qcache_queries_in_cache**

Removed in version 8.0.3

- **Qcache_total_blocks**

  Removed in version 8.0.3

- **query_cache_limit**

  Removed in version 8.0.3

- **query_cache_min_res_unit**

  Removed in version 8.0.3

- **query_cache_size**

  Removed in version 8.0.3

  Value parameter changes in version 8.0.1 (bitsize=64):

  - Default is 0, minimum is 0, maximum is 18446744073709551615

  Value parameter changes in version 8.0.1 (bitsize=32):

  - Default is 0, minimum is 0, maximum is 4294967295

- **query_cache_type**

  Removed in version 8.0.3

- **query_cache_wlock_invalidate**

  Removed in version 8.0.3

- **query_prealloc_size**

  Deprecated in version 8.0.29

- **regexp_stack_limit**

  Introduced in version 8.0.4

- **regexp_time_limit**

  Introduced in version 8.0.4

- **relay_log_info_file**

  Deprecated in version 8.0.18

- **relay_log_info_repository**

  Deprecated in version 8.0.23

  Value parameter changes in version 8.0.2:

  - Default is TABLE

- **replica_allow_batching**

Introduced in version 8.0.26-ndb-8.0.26

Value parameter changes in version 8.0.30-ndb-8.0.30:

- Default is ON

- **replica_checkpoint_group**

  Introduced in version 8.0.26

- **replica_checkpoint_period**

  Introduced in version 8.0.26

- **replica_compressed_protocol**

  Introduced in version 8.0.26

- **replica_exec_mode**

  Introduced in version 8.0.26

- **replica_load_tmpdir**

  Introduced in version 8.0.26

- **replica_max_allowed_packet**

  Introduced in version 8.0.26

- **replica_net_timeout**

  Introduced in version 8.0.26

- **Replica_open_temp_tables**

  Introduced in version 8.0.26

- **replica_parallel_type**

  Introduced in version 8.0.26

  Deprecated in version 8.0.29

  Value parameter changes in version 8.0.27:

  - Default is LOGICAL_CLOCK

- **replica_parallel_workers**

  Introduced in version 8.0.26

  Value parameter changes in version 8.0.27:

  - Default is 4, minimum is 0, maximum is 1024

- **replica_pending_jobs_size_max**

  Introduced in version 8.0.26

- **replica_preserve_commit_order**

  Introduced in version 8.0.26

  Value parameter changes in version 8.0.27:

  - Default is ON

- **Replica_rows_last_search_algorithm_used**

  Introduced in version 8.0.26

- **replica_skip_errors**

  Introduced in version 8.0.26

- **replica_sql_verify_checksum**

  Introduced in version 8.0.26

- **replica_transaction_retries**

  Introduced in version 8.0.26

- **replica_type_conversions**

  Introduced in version 8.0.26

- **replication_optimize_for_static_plugin_config**

  Introduced in version 8.0.23

- **replication_sender_observe_commit_only**

  Introduced in version 8.0.23

- **require_row_format**

  Introduced in version 8.0.19

- **Resource_group_supported**

  Introduced in version 8.0.31

- **resultset_metadata**

  Introduced in version 8.0.3

- **rewriter_enabled_for_threads_without_privilege_checks**

  Introduced in version 8.0.31

- **rpl_read_size**

  Introduced in version 8.0.11

- **rpl_semi_sync_replica_enabled**

  Introduced in version 8.0.26

- **Rpl_semi_sync_replica_status**

  Introduced in version 8.0.26

- **rpl_semi_sync_replica_trace_level**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_clients**

  Introduced in version 8.0.26

- **rpl_semi_sync_source_enabled**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_net_avg_wait_time**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_net_wait_time**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_net_waits**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_no_times**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_no_tx**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_status**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_timefunc_failures**

  Introduced in version 8.0.26

- **rpl_semi_sync_source_timeout**

  Introduced in version 8.0.26

- **rpl_semi_sync_source_trace_level**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_tx_avg_wait_time**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_tx_wait_time**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_tx_waits**

  Introduced in version 8.0.26

- **rpl_semi_sync_source_wait_for_replica_count**

  Introduced in version 8.0.26

- **rpl_semi_sync_source_wait_no_replica**

  Introduced in version 8.0.26

- **rpl_semi_sync_source_wait_point**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_wait_pos_backtraverse**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_wait_sessions**

  Introduced in version 8.0.26

- **Rpl_semi_sync_source_yes_tx**

  Introduced in version 8.0.26

- **rpl_stop_replica_timeout**

  Introduced in version 8.0.26

- **rpl_stop_slave_timeout**

  Deprecated in version 8.0.26

- **Rsa_public_key**

  Deprecated in version 8.0.16

- **safe-user-create**

  Deprecated in version 8.0.11

- **schema_definition_cache**

  Introduced in version 8.0.0

- **secondary_engine_cost_threshold**

  Introduced in version 8.0.16

- **Secondary_engine_execution_count**

  Introduced in version 8.0.13

- **secure_auth**

  Removed in version 8.0.3

- **select_into_buffer_size**

  Introduced in version 8.0.22

- **select_into_disk_sync**

  Introduced in version 8.0.22

- **select_into_disk_sync_delay**

  Introduced in version 8.0.22

- **server_id**

  Value parameter changes in version 8.0.3:

  - Default is 1, minimum is 0, maximum is 4294967295

- **sha256_password_auto_generate_rsa_keys**

  Deprecated in version 8.0.16

- **sha256_password_private_key_path**

  Deprecated in version 8.0.16

- **sha256_password_proxy_users**

  Deprecated in version 8.0.16

- **sha256_password_public_key_path**

  Deprecated in version 8.0.16

- **show_compatibility_56**

  Removed in version 8.0.1

- **show_create_table_skip_secondary_engine**

  Introduced in version 8.0.18

- **show_create_table_verbosity**

  Introduced in version 8.0.11

- **show_gipk_in_create_table_and_information_schema**

  Introduced in version 8.0.30

- **show-replica-auth-info**

  Introduced in version 8.0.26

- **show-slave-auth-info**

  Deprecated in version 8.0.26

- **skip-character-set-client-handshake**

Deprecated in version 8.0.35

- **skip-host-cache**

  Deprecated in version 8.0.30

- **skip-new**

  Deprecated in version 8.0.35

- **skip-replica-start**

  Introduced in version 8.0.26

- **skip-slave-start**

  Deprecated in version 8.0.26

- **skip-ssl**

  Deprecated in version 8.0.26

- **slave_allow_batching**

  Deprecated in version 8.0.26-ndb-8.0.26

  Value parameter changes in version 8.0.30-ndb-8.0.30:

  - Default is ON

- **slave_checkpoint_group**

  Deprecated in version 8.0.26

- **slave_checkpoint_period**

  Deprecated in version 8.0.26

- **slave_compressed_protocol**

  Deprecated in version 8.0.18

- **Slave_heartbeat_period**

  Removed in version 8.0.1

- **Slave_last_heartbeat**

  Removed in version 8.0.1

- **slave_load_tmpdir**

  Deprecated in version 8.0.26

- **slave_max_allowed_packet**

  Deprecated in version 8.0.26

- **slave_net_timeout**

Deprecated in version 8.0.26

- **Slave_open_temp_tables**

  Deprecated in version 8.0.26

- **slave_parallel_type**

  Deprecated in version 8.0.26

  Value parameter changes in version 8.0.27:

  - Default is LOGICAL_CLOCK

- **slave_parallel_workers**

  Deprecated in version 8.0.26

  Value parameter changes in version 8.0.27:

  - Default is 4, minimum is 0, maximum is 1024

- **slave_pending_jobs_size_max**

  Deprecated in version 8.0.26

  Value parameter changes in version 8.0.12:

  - Default is 128M, minimum is 1024, maximum is 16EiB

- **slave_preserve_commit_order**

  Deprecated in version 8.0.26

  Value parameter changes in version 8.0.27:

  - Default is ON

- **Slave_received_heartbeats**

  Removed in version 8.0.1

- **Slave_retried_transactions**

  Removed in version 8.0.1

- **Slave_rows_last_search_algorithm_used**

  Deprecated in version 8.0.26

- **slave_rows_search_algorithms**

  Deprecated in version 8.0.18

  Value parameter changes in version 8.0.2:

  - Default is INDEX_SCAN,HASH_SCAN

- **Slave_running**

Removed in version 8.0.1

- **slave-skip-errors**

  Deprecated in version 8.0.26

- **slave_sql_verify_checksum**

  Deprecated in version 8.0.26

- **slave_transaction_retries**

  Deprecated in version 8.0.26

- **slave_type_conversions**

  Deprecated in version 8.0.26

- **source_verify_checksum**

  Introduced in version 8.0.26

- **sql_generate_invisible_primary_key**

  Introduced in version 8.0.30

- **sql-mode**

  Value parameter changes in version 8.0.1:

  - Default is ONLY_FULL_GROUP_BY STRICT_TRANS_TABLES NO_ZERO_IN_DATE NO_ZERO_DATE ERROR_FOR_DIVISION_BY_ZERO NO_AUTO_CREATE_USER NO_ENGINE_SUBSTITUTION

  Value parameter changes in version 8.0.11:

  - Default is ONLY_FULL_GROUP_BY STRICT_TRANS_TABLES NO_ZERO_IN_DATE NO_ZERO_DATE ERROR_FOR_DIVISION_BY_ZERO NO_ENGINE_SUBSTITUTION

- **sql_replica_skip_counter**

  Introduced in version 8.0.26

- **sql_require_primary_key**

  Introduced in version 8.0.13

- **sql_slave_skip_counter**

  Deprecated in version 8.0.26

- **ssl**

  Deprecated in version 8.0.26

- **ssl_fips_mode**

  Introduced in version 8.0.11

Deprecated in version 8.0.34

- **ssl_session_cache_mode**

  Introduced in version 8.0.29

- **Ssl_session_cache_timeout**

  Introduced in version 8.0.29

- **ssl_session_cache_timeout**

  Introduced in version 8.0.29

- **symbolic-links**

  Deprecated in version 8.0.2

  Value parameter changes in version 8.0.2:

  - Default is OFF

- **sync_master_info**

  Deprecated in version 8.0.26

- **sync_relay_log_info**

  Deprecated in version 8.0.34

- **sync_source_info**

  Introduced in version 8.0.26

- **syseventlog.facility**

  Introduced in version 8.0.13

- **syseventlog.include_pid**

  Introduced in version 8.0.13

- **syseventlog.tag**

  Introduced in version 8.0.13

- **table_encryption_privilege_check**

  Introduced in version 8.0.16

- **table_open_cache**

  Value parameter changes in version 8.0.4:

  - Default is 4000, minimum is 1, maximum is 524288

- **tablespace_definition_cache**

  Introduced in version 8.0.0

- **`Telemetry_traces_supported`**

  Introduced in version 8.0.33

- **`temp-pool`**

  Removed in version 8.0.1

- **`temptable_max_mmap`**

  Introduced in version 8.0.23

- **`temptable_max_ram`**

  Introduced in version 8.0.2

- **`temptable_use_mmap`**

  Introduced in version 8.0.16

  Deprecated in version 8.0.26

- **`terminology_use_previous`**

  Introduced in version 8.0.26

- **`thread_pool_algorithm`**

  Introduced in version 8.0.11

- **`thread_pool_dedicated_listeners`**

  Introduced in version 8.0.23

- **`thread_pool_high_priority_connection`**

  Introduced in version 8.0.11

- **`thread_pool_max_active_query_threads`**

  Introduced in version 8.0.19

- **`thread_pool_max_transactions_limit`**

  Introduced in version 8.0.23

- **`thread_pool_max_unused_threads`**

  Introduced in version 8.0.11

- **`thread_pool_prio_kickup_timer`**

  Introduced in version 8.0.11

- **`thread_pool_query_threads_per_group`**

  Introduced in version 8.0.31

- **`thread_pool_size`**

Introduced in version 8.0.11

Value parameter changes in version 8.0.19:

- Default is 16, minimum is 1, maximum is 512

- **`thread_pool_stall_limit`**

  Introduced in version 8.0.11

- **`thread_pool_transaction_delay`**

  Introduced in version 8.0.31

- **`thread_stack`**

  Value parameter changes in version 8.0.2 (bitsize=64):

  - Default is 286720, minimum is 131072, maximum is 18446744073709550592

  Value parameter changes in version 8.0.27 (bitsize=64):

  - Default is 1048576, minimum is 131072, maximum is 18446744073709550592

  Value parameter changes in version 8.0.2 (bitsize=32):

  - Default is 221184, minimum is 131072, maximum is 4294966272

  Value parameter changes in version 8.0.27 (bitsize=32):

  - Default is 1048576, minimum is 131072, maximum is 4294966272

- **`time_format`**

  Removed in version 8.0.3

- **`time_zone`**

  Value parameter changes in version 8.0.19:

  - Default is SYSTEM

- **`tls_ciphersuites`**

  Introduced in version 8.0.16

- **`Tls_library_version`**

  Introduced in version 8.0.30

- **`tls_version`**

  Value parameter changes in version 8.0.16:

  - Default is TLSv1,TLSv1.1,TLSv1.2,TLSv1.3

  Value parameter changes in version 8.0.28:

  - Default is TLSv1.2,TLSv1.3

- **transaction_prealloc_size**

  Deprecated in version 8.0.29

- **transaction_write_set_extraction**

  Deprecated in version 8.0.26

  Value parameter changes in version 8.0.2:

  - Default is XXHASH64

- **tx_isolation**

  Removed in version 8.0.3

- **tx_read_only**

  Removed in version 8.0.3

- **upgrade**

  Introduced in version 8.0.16

- **use_secondary_engine**

  Introduced in version 8.0.13

- **validate-config**

  Introduced in version 8.0.16

- **validate_password.changed_characters_percentage**

  Introduced in version 8.0.34

- **validate_password.check_user_name**

  Introduced in version 8.0.4

- **validate_password.dictionary_file**

  Introduced in version 8.0.4

- **validate_password.dictionary_file_last_parsed**

  Introduced in version 8.0.4

- **validate_password.dictionary_file_words_count**

  Introduced in version 8.0.4

- **validate_password.length**

  Introduced in version 8.0.4

- **validate_password.mixed_case_count**

  Introduced in version 8.0.4

- **validate_password.number_count**

  Introduced in version 8.0.4

- **validate_password.policy**

  Introduced in version 8.0.4

- **validate_password.special_char_count**

  Introduced in version 8.0.4

- **version_compile_zlib**

  Introduced in version 8.0.11

- **windowing_use_high_precision**

  Introduced in version 8.0.2

- **xa_detach_on_prepare**

  Introduced in version 8.0.29

1.3 Option and Variable Changes for MySQL 8.1

The following list details the changes to specific options and variables within MySQL 8.1.

- **Audit_log_direct_writes**

  Introduced in version 8.1.0

- **authentication_ldap_sasl_connect_timeout**

  Introduced in version 8.1.0

- **authentication_ldap_sasl_response_timeout**

  Introduced in version 8.1.0

- **authentication_ldap_simple_connect_timeout**

  Introduced in version 8.1.0

- **authentication_ldap_simple_response_timeout**

  Introduced in version 8.1.0

- **Gr_all_consensus_proposals_count**

  Introduced in version 8.1.0

- **Gr_all_consensus_time_sum**

  Introduced in version 8.1.0

- **Gr_certification_garbage_collector_count**

  Introduced in version 8.1.0

- **Gr_certification_garbage_collector_time_sum**

  Introduced in version 8.1.0

- **Gr_consensus_bytes_received_sum**

  Introduced in version 8.1.0

- **Gr_consensus_bytes_sent_sum**

  Introduced in version 8.1.0

- **Gr_control_messages_sent_bytes_sum**

  Introduced in version 8.1.0

- **Gr_control_messages_sent_count**

  Introduced in version 8.1.0

- **Gr_control_messages_sent_roundtrip_time_sum**

  Introduced in version 8.1.0

- **Gr_data_messages_sent_bytes_sum**

  Introduced in version 8.1.0

- **Gr_data_messages_sent_count**

  Introduced in version 8.1.0

- **Gr_data_messages_sent_roundtrip_time_sum**

  Introduced in version 8.1.0

- **Gr_empty_consensus_proposals_count**

  Introduced in version 8.1.0

- **Gr_extended_consensus_count**

  Introduced in version 8.1.0

- **Gr_last_consensus_end_timestamp**

  Introduced in version 8.1.0

- **Gr_total_messages_sent_count**

  Introduced in version 8.1.0

- **Gr_transactions_consistency_after_sync_count**

  Introduced in version 8.1.0

- **Gr_transactions_consistency_after_sync_time_sum**

  Introduced in version 8.1.0

- **Gr_transactions_consistency_after_termination_count**

  Introduced in version 8.1.0

- **Gr_transactions_consistency_after_termination_time_sum**

  Introduced in version 8.1.0

- **Gr_transactions_consistency_before_begin_count**

  Introduced in version 8.1.0

- **Gr_transactions_consistency_before_begin_time_sum**

  Introduced in version 8.1.0

- **telemetry.live_sessions**

  Introduced in version 8.1.0

- **telemetry.otel_bsp_max_export_batch_size**

  Introduced in version 8.1.0

- **telemetry.otel_bsp_max_queue_size**

  Introduced in version 8.1.0

- **telemetry.otel_bsp_schedule_delay**

  Introduced in version 8.1.0

- **telemetry.otel_exporter_otlp_traces_certificates**

  Introduced in version 8.1.0

- **telemetry.otel_exporter_otlp_traces_client_certificates**

  Introduced in version 8.1.0

- **telemetry.otel_exporter_otlp_traces_client_key**

  Introduced in version 8.1.0

- **telemetry.otel_exporter_otlp_traces_compression**

  Introduced in version 8.1.0

- **telemetry.otel_exporter_otlp_traces_endpoint**

  Introduced in version 8.1.0

- **telemetry.otel_exporter_otlp_traces_headers**

  Introduced in version 8.1.0

- **telemetry.otel_exporter_otlp_traces_protocol**

  Introduced in version 8.1.0

- **telemetry.otel_exporter_otlp_traces_timeout**

  Introduced in version 8.1.0

- **telemetry.otel_log_level**

  Introduced in version 8.1.0

- **telemetry.otel_resource_attributes**

  Introduced in version 8.1.0

- **telemetry.query_text_enabled**

  Introduced in version 8.1.0

- **telemetry.trace_enabled**

  Introduced in version 8.1.0

- **tls_certificates_enforced_validation**

  Introduced in version 8.1.0

- **Tls_sni_server_name**

  Introduced in version 8.1.0

1.4 Option and Variable Changes for MySQL 8.2

The following list details the changes to specific options and variables within MySQL 8.2.

- **abort-slave-event-count**

  Removed in version 8.2.0

- **authentication_fido_rp_id**

  Deprecated in version 8.2.0

- **authentication_webauthn_rp_id**

  Introduced in version 8.2.0

- **binlog_transaction_dependency_tracking**

  Deprecated in version 8.2.0

- **character-set-client-handshake**

  Deprecated in version 8.2.0

- **Com_show_binary_log_status**

  Introduced in version 8.2.0

- **Com_show_master_status**

  Deprecated in version 8.2.0

- **disconnect-slave-event-count**

  Removed in version 8.2.0

- **expire_logs_days**

  Removed in version 8.2.0

- **mysql_firewall_database**

  Introduced in version 8.2.0

- **mysql_firewall_reload_interval_seconds**

  Introduced in version 8.2.0

- **new**

  Deprecated in version 8.2.0

- **old**

  Deprecated in version 8.2.0

- **performance_schema_max_meter_classes**

  Introduced in version 8.2.0

- **performance_schema_max_metric_classes**

  Introduced in version 8.2.0

- **Performance_schema_meter_lost**

  Introduced in version 8.2.0

- **Performance_schema_metric_lost**

  Introduced in version 8.2.0

- **performance_schema_show_processlist**

  Deprecated in version 8.2.0

- **set_operations_buffer_size**

  Introduced in version 8.2.0

- **skip-character-set-client-handshake**

  Deprecated in version 8.2.0

- **skip-new**

  Deprecated in version 8.2.0

- **Telemetry_metrics_supported**

  Introduced in version 8.2.0

1.5 Option and Variable Changes for MySQL 8.3

The following list details the changes to specific options and variables within MySQL 8.3.

- **character-set-client-handshake**

  Removed in version 8.3.0

- **component_masking.dictionaries_flush_interval_seconds**

  Introduced in version 8.3.0

- **component_masking.masking_database**

  Introduced in version 8.3.0

- **daemon_memcached_enable_binlog**

  Removed in version 8.3.0

- **daemon_memcached_engine_lib_name**

  Removed in version 8.3.0

- **daemon_memcached_engine_lib_path**

  Removed in version 8.3.0

- **daemon_memcached_option**

  Removed in version 8.3.0

- **daemon_memcached_r_batch_size**

  Removed in version 8.3.0

- **daemon_memcached_w_batch_size**

  Removed in version 8.3.0

- **Deprecated_use_i_s_processlist_count**

  Introduced in version 8.3.0

- **Deprecated_use_i_s_processlist_last_timestamp**

  Introduced in version 8.3.0

- **explain_json_format_version**

  Introduced in version 8.3.0

- **group_replication_ip_whitelist**

  Removed in version 8.3.0

- **group_replication_primary_member**

  Removed in version 8.3.0

- **group_replication_view_change_uuid**

  Deprecated in version 8.3.0

- **innodb**

  Removed in version 8.3.0

- **innodb_api_bk_commit_interval**

  Removed in version 8.3.0

- **innodb_api_disable_rowlock**

  Removed in version 8.3.0

- **innodb_api_enable_binlog**

  Removed in version 8.3.0

- **innodb_api_enable_mdl**

  Removed in version 8.3.0

- **innodb_api_trx_level**

  Removed in version 8.3.0

- **log_bin_use_v1_row_events**

  Removed in version 8.3.0

- **master-info-file**

  Removed in version 8.3.0

- **master_info_repository**

  Removed in version 8.3.0

- **ndb-mgm-tls**

  Introduced in version 8.3.0-ndb-8.3.0

- **ndb-tls-search-path**

  Introduced in version 8.3.0-ndb-8.3.0

- **old-style-user-limits**

  Removed in version 8.3.0

- **relay_log_info_file**

  Removed in version 8.3.0

- **relay_log_info_repository**

  Removed in version 8.3.0

- **Replica_rows_last_search_algorithm_used**

  Removed in version 8.3.0

- **skip-character-set-client-handshake**

  Removed in version 8.3.0

- **skip-host-cache**

  Removed in version 8.3.0

- **slave_rows_search_algorithms**

  Removed in version 8.3.0

- **telemetry.metrics_reader_frequency_1**

  Introduced in version 8.3.0

- **telemetry.metrics_reader_frequency_2**

  Introduced in version 8.3.0

- **telemetry.metrics_reader_frequency_3**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_certificates**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_cipher**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_cipher_suite**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_client_certificates**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_client_key**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_compression**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_endpoint**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_headers**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_max_tls**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_min_tls**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_protocol**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_metrics_timeout**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_traces_cipher**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_traces_cipher_suite**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_traces_max_tls**

  Introduced in version 8.3.0

- **telemetry.otel_exporter_otlp_traces_min_tls**

  Introduced in version 8.3.0

- **transaction_write_set_extraction**

  Removed in version 8.3.0

1.6 Option and Variable Changes for MySQL 8.4

The following list details the changes to specific options and variables within MySQL 8.4.

- **admin-ssl**

  Removed in version 8.4.0

- **authentication_fido_rp_id**

  Removed in version 8.4.0

- **avoid_temporal_upgrade**

  Removed in version 8.4.0

- **binlog_transaction_dependency_tracking**

  Removed in version 8.4.0

- **check-table-functions**

  Introduced in version 8.4.5

- **Com_change_master**

  Removed in version 8.4.0

- **Com_show_master_status**

  Removed in version 8.4.0

- **Com_show_slave_hosts**

  Removed in version 8.4.0

- **Com_show_slave_status**

  Removed in version 8.4.0

- **Com_slave_start**

  Removed in version 8.4.0

- **Com_slave_stop**

  Removed in version 8.4.0

- **default_authentication_plugin**

  Removed in version 8.4.0

- **group_replication_allow_local_lower_version_join**

  Deprecated in version 8.4.0

- **group_replication_preemptive_garbage_collection**

  Introduced in version 8.4.0

- **group_replication_preemptive_garbage_collection_rows_threshold**

  Introduced in version 8.4.0

- **group_replication_recovery_complete_at**

  Removed in version 8.4.0

- **have_openssl**

  Removed in version 8.4.0

- **have_ssl**

  Removed in version 8.4.0

- **keyring_encrypted_file_data**

  Removed in version 8.4.0

- **keyring_encrypted_file_password**

  Removed in version 8.4.0

- **keyring_file_data**

  Removed in version 8.4.0

- **keyring-migration-from-component**

  Introduced in version 8.4.0

- **keyring_oci_ca_certificate**

  Removed in version 8.4.0

- **keyring_oci_compartment**

  Removed in version 8.4.0

- **keyring_oci_encryption_endpoint**

  Removed in version 8.4.0

- **keyring_oci_key_file**

  Removed in version 8.4.0

- **keyring_oci_key_fingerprint**

  Removed in version 8.4.0

- **keyring_oci_management_endpoint**

  Removed in version 8.4.0

- **keyring_oci_master_key**

  Removed in version 8.4.0

- **keyring_oci_secrets_endpoint**

  Removed in version 8.4.0

- **keyring_oci_tenancy**

  Removed in version 8.4.0

- **keyring_oci_user**

  Removed in version 8.4.0

- **keyring_oci_vaults_endpoint**

  Removed in version 8.4.0

- **keyring_oci_virtual_vault**

  Removed in version 8.4.0

- **language**

  Removed in version 8.4.0

- **mysql-native-password**

  Introduced in version 8.4.0

  Deprecated in version 8.4.0

- **ndb_log_cache_size**

  Introduced in version 8.4.3-ndb-8.4.3

- **Ndb_schema_participant_count**

  Introduced in version 8.4.5

- **new**

  Removed in version 8.4.0

- **no-dd-upgrade**

  Removed in version 8.4.0

- **old**

  Removed in version 8.4.0

- **restrict_fk_on_non_standard_key**

  Introduced in version 8.4.0

  Deprecated in version 8.4.0

- **show_old_temporals**

  Removed in version 8.4.0

- **skip-ssl**

  Removed in version 8.4.0

- **ssl**

  Removed in version 8.4.0

- **thread_pool_longrun_trx_limit**

  Introduced in version 8.4.0

1.7 Option and Variable Changes for MySQL 9.0

The following list details the changes to specific options and variables within MySQL 9.0.

- **mle_heap_status**

  Introduced in version 9.0.0

- **mle_languages_supported**

  Introduced in version 9.0.0

- **mle_memory_used**

  Introduced in version 9.0.0

- **mle_oom_errors**

  Introduced in version 9.0.0

- **mle_session_resets**

  Introduced in version 9.0.0

- **mle_sessions**

  Introduced in version 9.0.0

- **mle_sessions_max**

  Introduced in version 9.0.0

- **mle_status**

  Introduced in version 9.0.0

- **mle_stored_functions**

  Introduced in version 9.0.0

- **mle_stored_procedures**

  Introduced in version 9.0.0

- **mle_stored_program_bytes_max**

  Introduced in version 9.0.0

- **mle_stored_program_sql_max**

  Introduced in version 9.0.0

- **mle_stored_programs**

  Introduced in version 9.0.0

- **mle_threads**

  Introduced in version 9.0.0

- **mle_threads_max**

  Introduced in version 9.0.0

- **mle.memory_max**

  Introduced in version 9.0.0

1.8 Option and Variable Changes for MySQL 9.1

The following list details the changes to specific options and variables within MySQL 9.1.

- **authentication_openid_connect_configuration**

  Introduced in version 9.1.0

- **connection_memory_status_limit**

  Introduced in version 9.1.0

- **Count_hit_query_past_connection_memory_status_limit**

  Introduced in version 9.1.0

- **Count_hit_tmp_table_size**

  Introduced in version 9.1.0

- **global_connection_memory_status_limit**

  Introduced in version 9.1.0

- **Gr_flow_control_throttle_active_count**

  Introduced in version 9.1.0

- **Gr_flow_control_throttle_count**

  Introduced in version 9.1.0

- **Gr_flow_control_throttle_last_throttle_timestamp**

  Introduced in version 9.1.0

- **Gr_flow_control_throttle_time_sum**

  Introduced in version 9.1.0

- **ndb_log_cache_size**

  Introduced in version 9.1.0-ndb-9.1.0

- **option_tracker.gr_complete_table_received**

  Introduced in version 9.1.0

- **option_tracker.gr_complete_table_sent**

  Introduced in version 9.1.0

- **option_tracker.gr_error_received**

  Introduced in version 9.1.0

- **option_tracker.gr_error_sent**

  Introduced in version 9.1.0

- **option_tracker.gr_reset_request_received**

  Introduced in version 9.1.0

- **`option_tracker.gr_reset_request_sent`**

  Introduced in version 9.1.0

- **`option_tracker.gr_single_row_received`**

  Introduced in version 9.1.0

- **`option_tracker.gr_single_row_sent`**

  Introduced in version 9.1.0

- **`performance-schema-logger`**

  Introduced in version 9.1.0

- **`Performance_schema_logger_lost`**

  Introduced in version 9.1.0

- **`performance_schema_max_logger_classes`**

  Introduced in version 9.1.0

- **`table_open_cache_triggers`**

  Introduced in version 9.1.0

- **`Table_open_cache_triggers_hits`**

  Introduced in version 9.1.0

- **`Table_open_cache_triggers_misses`**

  Introduced in version 9.1.0

- **`Table_open_cache_triggers_overflows`**

  Introduced in version 9.1.0

- **`Telemetry_logs_supported`**

  Introduced in version 9.1.0

- **`telemetry.log_enabled`**

  Introduced in version 9.1.0

- **`telemetry.otel_blrp_max_export_batch_size`**

  Introduced in version 9.1.0

- **`telemetry.otel_blrp_max_queue_size`**

  Introduced in version 9.1.0

- **`telemetry.otel_blrp_schedule_delay`**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_certificates**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_cipher**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_cipher_suite**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_client_certificates**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_client_key**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_compression**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_endpoint**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_headers**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_max_tls**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_min_tls**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_protocol**

  Introduced in version 9.1.0

- **telemetry.otel_exporter_otlp_logs_timeout**

  Introduced in version 9.1.0

- **TempTable_count_hit_max_ram**

  Introduced in version 9.1.0

1.9 Option and Variable Changes for MySQL 9.2

The following list details the changes to specific options and variables within MySQL 9.2.

- **Com_create_library**

  Introduced in version 9.2.0

- **Com_drop_library**

  Introduced in version 9.2.0

- **Com_show_create_library**

  Introduced in version 9.2.0

- **Gr_resource_manager_applier_channel_eviction_timestamp**

  Introduced in version 9.2.0

- **Gr_resource_manager_applier_channel_lag**

  Introduced in version 9.2.0

- **Gr_resource_manager_applier_channel_threshold_hits**

  Introduced in version 9.2.0

- **Gr_resource_manager_channel_lag_monitoring_error_timestamp**

  Introduced in version 9.2.0

- **Gr_resource_manager_memory_eviction_timestamp**

  Introduced in version 9.2.0

- **Gr_resource_manager_memory_monitoring_error_timestamp**

  Introduced in version 9.2.0

- **Gr_resource_manager_memory_threshold_hits**

  Introduced in version 9.2.0

- **Gr_resource_manager_memory_used**

  Introduced in version 9.2.0

- **Gr_resource_manager_recovery_channel_eviction_timestamp**

  Introduced in version 9.2.0

- **Gr_resource_manager_recovery_channel_lag**

  Introduced in version 9.2.0

- **Gr_resource_manager_recovery_channel_threshold_hits**

  Introduced in version 9.2.0

- **group_replication_resource_manager.applier_channel_lag**

  Introduced in version 9.2.0

- **group_replication_resource_manager.memory_used_limit**

  Introduced in version 9.2.0

- **group_replication_resource_manager.quarantine_time**

  Introduced in version 9.2.0

- **group_replication_resource_manager.recovery_channel_lag**

  Introduced in version 9.2.0

- **log-diagnostic**

  Introduced in version 9.2.0

- **log-diagnostic-enable**

  Introduced in version 9.2.0

- **option_tracker_usage**

  Introduced in version 9.2.1

- **version_tokens_session**

  Deprecated in version 9.2.0

- **version_tokens_session_number**

  Deprecated in version 9.2.0

Chapter 2 Built-In Functions and Operators

The following table shows all built-in functions and operators available in MySQL Server. The table contains these columns:

- **Name**: The item name.
- **Introduced**: The version or versions in which the item was introduced. This column appears only if it applies to some item.
- **Deprecated**: The version or versions in which the item was deprecated. This column appears only if it applies to some item.
- **Removed**: The version or versions in which the item was removed. This column appears only if it applies to some item.
- Whether the item is available in the corresponding MySQL Server release series. The indicator links to the item description in the main reference manual if more information is available.

  An item has a row in the table if it ever existed in any series shown in the table. The value displayed for a given series indicates item availability in that series:

  - Yes: The item is available in all production-ready General Availability (GA) versions. For a series that has not reached GA status, Yes indicates that the item is available in the most recently released pre-GA version.
  - Some: The item is available in some GA versions. This is the case if the item was introduced after the first GA version, or removed from some GA version.
  - Blank: The item is not available in any GA version. Either it does not exist in the series, or existed in pre-GA versions but was removed before the series reached GA status.

Table 2.1 Built-In Function and Operator Reference

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
`&`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`>`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`>>`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`>=`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`<`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`<>`, `!=`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`<<`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`<=`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`<=>`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`%`, `MOD`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`*`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`+`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`-`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`-`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`->`	5.7.9			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
`->>`	5.7.13			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`/`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`:=`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`=`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`=`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`^`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`ABS()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`ACOS()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`ADDDATE()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`ADDTIME()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`AES_DECRYPT()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`AES_ENCRYPT()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`AND`, `&&`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`ANY_VALUE()`	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`Area()`		5.7.6		Yes								
`AsBinary()`, `AsWKB()`		5.7.6		Yes								
`ASCII()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`ASIN()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`AsText()`, `AsWKT()`		5.7.6		Yes								
`asynchronous_connection_failover_add_managed()`	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`asynchronous_connection_failover_add_source()`	8.0.22			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`asynchronous_connection_failover_delete_managed()`	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`asynchronous_connection_failover_delete_source()`	8.0.22			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`asynchronous_connection_failover_reset()`	8.0.27			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`ATAN()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`ATAN2()`, `ATAN()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`AVG()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`BENCHMARK()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`BETWEEN ... AND ...`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`BIN()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`BIN_TO_UUID()`					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`BINARY`		8.0.27		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`BIT_AND()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`BIT_COUNT()`				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
BIT_LENGTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BIT_OR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BIT_XOR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Buffer()		5.7.6		Yes								
CAN_ACCESS_COLUMN()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CAN_ACCESS_DATABASE()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CAN_ACCESS_TABLE()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CAN_ACCESS_USER()	8.0.22				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CAN_ACCESS_VIEW()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CASE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CAST()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CEIL()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CEILING()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Centroid()		5.7.6		Yes								
CHAR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHAR_LENGTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHARACTER_LENGTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHARSET()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COALESCE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COERCIBILITY()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLLATION()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMPRESS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONCAT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONCAT_WS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONNECTION_ID()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Contains()		5.7.6		Yes								
CONV()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONVERT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONVERT_TZ()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ConvexHull()	5.7.5	5.7.6		Yes								
COS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COUNT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COUNT(DISTINCT)				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CRC32()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Crosses()		5.7.6		Yes								
CUME_DIST()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CURDATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
CURRENT_DATE(), CURRENT_DATE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CURRENT_ROLE()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CURRENT_TIME(), CURRENT_TIME				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CURRENT_TIMESTAMP(), CURRENT_TIMESTAMP				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CURRENT_USER(), CURRENT_USER				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CURTIME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATABASE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATE_ADD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATE_FORMAT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATE_SUB()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATEDIFF()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DAY()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DAYNAME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DAYOFMONTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DAYOFWEEK()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DAYOFYEAR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DECODE()		5.7.2	8.0.3	Yes								
DEFAULT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEGREES()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DENSE_RANK()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DES_DECRYPT()		5.7.6	8.0.3	Yes								
DES_ENCRYPT()		5.7.6	8.0.3	Yes								
Dimension()		5.7.6		Yes								
Disjoint()		5.7.6		Yes								
DISTANCE()										Yes	Yes	Yes
DIV				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ELT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENCODE()		5.7.2	8.0.3	Yes								
ENCRYPT()		5.7.6	8.0.3	Yes								
EndPoint()		5.7.6		Yes								
Envelope()		5.7.6		Yes								
Equals()		5.7.6		Yes								
EXISTS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
EXPORT_SET()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ExteriorRing()	5.7.6			Yes								
EXTRACT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ExtractValue()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FIELD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FIND_IN_SET()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FIRST_VALUE()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FLOOR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FORMAT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FORMAT_BYTES()	8.0.16				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FORMAT_PICO_TIME()	8.0.16				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FOUND_ROWS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FROM_BASE64()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FROM_DAYS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FROM_UNIXTIME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GeomCollection()	8.0.11				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GeomCollFromTxt(), GeometryCollectionFromText()	5.7.6			Yes								
GeomCollFromWKB(), GeometryCollectionFromWKB()	5.7.6			Yes								
GeometryCollection()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GeometryN()	5.7.6			Yes								
GeometryType()	5.7.6			Yes								
GeomFromText(), GeometryFromText()	5.7.6			Yes								
GeomFromWKB(), GeometryFromWKB()	5.7.6			Yes								
GET_DD_COLUMN_PRIVILEGES()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GET_DD_CREATE_OPTIONS()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GET_DD_INDEX_SUB_PART_LENGTH()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GET_FORMAT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GET_LOCK()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GLength()	5.7.6			Yes								
GREATEST()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GROUP_CONCAT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_disable_member_action()	8.0.26				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_enable_member_action()	8.0.26				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_get_communication_protocol()	8.0.16				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_get_write_concurrency()	8.0.13				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
group_replication_reset_member_actions()	8.0.26				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_set_as_primary()	8.0.29				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_set_communication_protocol()	8.0.16				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_set_write_concurrency()	8.0.13				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_switch_to_multi_primary_mode()	8.0.13				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_switch_to_single_primary_mode()	8.0.13				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GROUPING()	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GTID_SUBSET()				Yes	Yes							
GTID_SUBTRACT()				Yes	Yes							
HEX()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HOUR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ICU_VERSION()	8.0.14				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IF()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IFNULL()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INET_ATON()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INET_NTOA()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INET6_ATON()				Yes	Yes							
INET6_NTOA()				Yes	Yes							
INSERT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
InteriorRings()		5.7.6		Yes								
INTERNAL_AUTO_INCREMENT()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_AVG_ROW_LENGTH()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_CHECK_TIME()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_CHECKSUM()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_DATA_FREE()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_DATA_LENGTH()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_DD_CHAR_LENGTH()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_GET_COMMENT_OR_ERROR()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_GET_ENABLED_ROLE_JSON()	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_GET_HOSTNAME()	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_GET_USERNAME()	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_GET_VIEW_WARNING_OR_ERROR()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_INDEX_COLUMN_CARDINALITY()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_INDEX_LENGTH()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_IS_ENABLED_ROLE()	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_IS_MANDATORY_ROLE()	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
INTERNAL_KEYS_DISABLED()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_MAX_DATA_LENGTH()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_TABLE_ROWS()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INTERNAL_UPDATE_TIME()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Intersects()	5.7.6			Yes								
INTERVAL()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IS_FREE_LOCK()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IS_IPV4()				Yes	Yes							
IS_IPV4_COMPAT()				Yes	Yes							
IS_IPV4_MAPPED()				Yes	Yes							
IS_IPV6()				Yes	Yes							
IS NOT				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IS NOT NULL				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IS NULL				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IS_USED_LOCK()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IS_UUID()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IsClosed()		5.7.6		Yes								
IsEmpty()		5.7.6		Yes								
ISNULL()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IsSimple()		5.7.6		Yes								
JSON_APPEND()	5.7.8	5.7.9		Yes								
JSON_ARRAY()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_ARRAY_APPEND()	5.7.9			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_ARRAY_INSERT()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_ARRAYAGG()	5.7.22, 8.0.1			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_CONTAINS()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_CONTAINS_PATH()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_DEPTH()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_EXTRACT()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_INSERT()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_KEYS()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_LENGTH()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
JSON_MERGE()	5.7.8	5.7.22, 8.0.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_MERGE_PATCH()	5.7.22, 8.0.3			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_MERGE_PRESERVE()	5.7.22, 8.0.3			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_OBJECT()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_OBJECTAGG()	5.7.22, 8.0.1			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_OVERLAPS()	8.0.17				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_PRETTY()	5.7.22, 8.0.1			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_QUOTE()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_REMOVE()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_REPLACE()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_SCHEMA_VALID()	8.0.17				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_SCHEMA_VALIDATION_REPORT()	8.0.17				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_SEARCH()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_SET()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_STORAGE_FREE()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_STORAGE_SIZE()	5.7.22, 8.0.2			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_TABLE()	8.0.4				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_TYPE()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_UNQUOTE()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_VALID()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_VALUE()	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LAG()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LAST_DAY				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LAST_INSERT_ID()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LAST_VALUE()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LCASE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEAD()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEAST()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEFT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LENGTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LIKE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LineFromText(), LineStringFromText()	5.7.6			Yes								

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
LineFromWKB(), LineStringFromWKB()		5.7.6		Yes								
LineString()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOAD_FILE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOCALTIME(), LOCALTIME				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOCALTIMESTAMP, LOCALTIMESTAMP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOCATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOG()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOG10()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOG2()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOWER()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LPAD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LTRIM()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAKE_SET()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAKEDATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAKETIME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MASTER_POS_WAIT()		8.0.26		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MATCH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAX()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBRContains()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBRCoveredBy()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBRCovers()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBRDisjoint()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBREqual()		5.7.6		Yes								
MBREquals()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBRIntersects()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBROverlaps()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBRTouches()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MBRWithin()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MD5()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEMBER OF()	8.0.17				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MICROSECOND()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MID()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MIN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MINUTE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
MLineFromText(), MultiLineStringFromText()	5.7.6			Yes								
MLineFromWKB(), MultiLineStringFromWKB()	5.7.6			Yes								
MOD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MONTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MONTHNAME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MPointFromText(), MultiPointFromText()	5.7.6			Yes								
MPointFromWKB(), MultiPointFromWKB()	5.7.6			Yes								
MPolyFromText(), MultiPolygonFromText()	5.7.6			Yes								
MPolyFromWKB(), MultiPolygonFromWKB()	5.7.6			Yes								
MultiLineString()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MultiPoint()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MultiPolygon()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NAME_CONST()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NOT, !				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NOT BETWEEN ... AND ...				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NOT EXISTS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NOT IN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NOT LIKE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NOT REGEXP				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NOW()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NTH_VALUE()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NTILE()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NULLIF()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NumGeometries()	5.7.6			Yes								
NumInteriorRings()	5.7.6			Yes								
NumPoints()	5.7.6			Yes								
OCT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OCTET_LENGTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OLD_PASSWORD()		5.6.5	5.7.5									

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
OR, ||				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ORD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Overlaps()		5.7.6		Yes								
PASSWORD()		5.7.6	8.0.11	Yes								
PERCENT_RANK()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PERIOD_ADD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PERIOD_DIFF()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PI()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Point()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PointFromText()		5.7.6		Yes								
PointFromWKB()		5.7.6		Yes								
PointN()		5.7.6		Yes								
PolyFromText(), PolygonFromText()		5.7.6		Yes								
PolyFromWKB(), PolygonFromWKB()		5.7.6		Yes								
Polygon()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
POSITION()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
POW()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
POWER()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PROCEDURE ANALYSE()		5.7.18		Yes								
PS_CURRENT_THREAD_ID()	8.0.16				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PS_THREAD_ID()	8.0.16				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QUARTER()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
QUOTE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RADIANS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RAND()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RANDOM_BYTES()	5.7.4			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RANK()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REGEXP				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REGEXP_INSTR()	8.0.4				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REGEXP_LIKE()	8.0.4				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REGEXP_REPLACE()	8.0.4				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REGEXP_SUBSTR()	8.0.4				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RELEASE_ALL_LOCKS()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RELEASE_LOCK()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPEAT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLACE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
REVERSE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RIGHT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RLIKE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROLES_GRAPHML()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROUND()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROW_COUNT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROW_NUMBER()	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RPAD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RTRIM()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCHEMA()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SEC_TO_TIME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SECOND()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SESSION_USER()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SHA1(), SHA()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SHA2()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIGN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SLEEP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOUNDEX()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOUNDS LIKE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_POS_WAIT()	8.0.26				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SPACE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Distance()	5.7.5	5.7.6		Yes								
SQRT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SRID()		5.7.6		Yes								
ST_Area()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_AsBinary(), ST_AsWKB()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_AsGeoJSON()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_AsText(), ST_AsWKT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Buffer()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Buffer_Strategy()	5.7.7			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Centroid()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Collect()	8.0.24				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Contains()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_ConvexHull()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
ST_Crosses()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Difference()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Dimension()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Disjoint()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Distance()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Distance_Sphere()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_EndPoint()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Envelope()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Equals()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_ExteriorRing()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_FrechetDistance()	8.0.23				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_GeoHash()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_GeomCollFromText(), ST_GeometryCollectionFromText(), ST_GeomCollFromTxt()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_GeomCollFromWKB(), ST_GeometryCollectionFromWKB()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_GeometryN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_GeometryType()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_GeomFromGeoJSON()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_GeomFromText(), ST_GeometryFromText()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_GeomFromWKB(), ST_GeometryFromWKB()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_HausdorffDistance()	8.0.23				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_InteriorRingN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Intersection()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Intersects()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_IsClosed()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_IsEmpty()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_IsSimple()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_IsValid()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_LatFromGeoHash()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Latitude()	8.0.12				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Length()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_LineFromText(), ST_LineStringFromText()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_LineFromWKB(), ST_LineStringFromWKB()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_LineInterpolatePoint()	8.0.24				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
ST_LineInterpolatePoints()	8.0.24				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_LongFromGeoHash()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Longitude()	8.0.12				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_MakeEnvelope()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_MLineFromText(), ST_MultiLineStringFromText()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_MLineFromWKB(), ST_MultiLineStringFromWKB()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_MPointFromText(), ST_MultiPointFromText()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_MPointFromWKB(), ST_MultiPointFromWKB()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_MPolyFromText(), ST_MultiPolygonFromText()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_MPolyFromWKB(), ST_MultiPolygonFromWKB()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_NumGeometries()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_NumInteriorRing(), ST_NumInteriorRings()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_NumPoints()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Overlaps()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_PointAtDistance()	8.0.24				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_PointFromGeoHash()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_PointFromText()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_PointFromWKB()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_PointN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_PolyFromText(), ST_PolygonFromText()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_PolyFromWKB(), ST_PolygonFromWKB()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Simplify()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_SRID()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_StartPoint()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Swap(X,Y)	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_SymDifference()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Touches()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Transform()	8.0.13				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Union()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Validate()	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Within()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
ST_X()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_Y()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
StartPoint()		5.7.6		Yes								
STATEMENT_DIGEST()	8.0.4				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STATEMENT_DIGEST_TEXT()	8.0.4				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STDDEV()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STDDEV_POP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STDDEV_SAMP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STR_TO_DATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STRCMP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STRING_TO_VECTOR()										Yes	Yes	Yes
SUBDATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUBSTR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUBSTRING()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUBSTRING_INDEX()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUBTIME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUM()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SYSDATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SYSTEM_USER()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TAN()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIME_FORMAT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIME_TO_SEC()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIMEDIFF()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIMESTAMP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIMESTAMPADD()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIMESTAMPDIFF()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TO_BASE64()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TO_DAYS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TO_SECONDS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Touches()		5.7.6		Yes								
TRIM()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TRUNCATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UCASE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNCOMPRESS()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNCOMPRESSED_LENGTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNHEX()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
UNIX_TIMESTAMP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UpdateXML()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UPPER()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USER()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UTC_DATE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UTC_TIME()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UTC_TIMESTAMP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UUID()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UUID_SHORT()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
UUID_TO_BIN()					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VALIDATE_PASSWORD_STRENGTH()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VALUES()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VAR_POP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VAR_SAMP()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VARIANCE()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VECTOR_DIM()										Yes	Yes	Yes
VECTOR_TO_STRING()										Yes	Yes	Yes
VERSION()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WAIT_FOR_EXECUTED_GTID_SET()	5.7.5			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WAIT_UNTIL_SQL_THREAD_AFTER_GTIDS()		8.0.18		Yes	Yes	Yes						
WEEK()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WEEKDAY()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WEEKOFYEAR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WEIGHT_STRING()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Within()		5.7.6		Yes								
X()		5.7.6		Yes								
XOR				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Y()		5.7.6		Yes								
YEAR()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
YEARWEEK()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
|				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
~				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Chapter 3 Loadable Functions

The following table shows all loadable functions available in MySQL Server. The table contains these columns:

- **Name**: The item name.
- **Introduced**: The version or versions in which the item was introduced. This column appears only if it applies to some item.
- **Deprecated**: The version or versions in which the item was deprecated. This column appears only if it applies to some item.
- **Removed**: The version or versions in which the item was removed. This column appears only if it applies to some item.
- Whether the item is available in the corresponding MySQL Server release series. The indicator links to the item description in the main reference manual if more information is available.

  An item has a row in the table if it ever existed in any series shown in the table. The value displayed for a given series indicates item availability in that series:

  - Yes: The item is available in all production-ready General Availability (GA) versions. For a series that has not reached GA status, Yes indicates that the item is available in the most recently released pre-GA version.
  - Some: The item is available in some GA versions. This is the case if the item was introduced after the first GA version, or removed from some GA version.
  - Blank: The item is not available in any GA version. Either it does not exist in the series, or existed in pre-GA versions but was removed before the series reached GA status.

Table 3.1 Loadable Function Reference

Name	Introduced	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
asymmetric_decrypt()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
asymmetric_derive()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
asymmetric_encrypt()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
asymmetric_sign()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
asymmetric_verify()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
asynchronous_connection_failover_add_managed()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
asynchronous_connection_failover_add_source()	8.0.22			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
asynchronous_connection_failover_delete_managed()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
asynchronous_connection_failover_delete_source()	8.0.22			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_api_message_emit_udf()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_encryption_password_get()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
audit_log_encryption_password_set()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_filter_flush()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_filter_remove_filter()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_filter_remove_user()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_filter_set_filter()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_filter_set_user()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_read()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_read_bookmark()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
audit_log_rotate()				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
create_asymmetric_priv_key()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
create_asymmetric_pub_key()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
create_dh_parameters()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
create_digest()	5.7.9, 8.0.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
firewall_group_delist()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
firewall_group_enlist()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
flush_rewrite_rules()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_blacklist()		8.0.23	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_blocklist()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_blocklist()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_dictionary()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_dictionary_drop()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_dictionary_load()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_dictionary()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_range()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_range()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_canada_sin()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_email()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_email()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_pan()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_pan()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_ssn()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_ssn()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_uuid()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_uuid()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
gen_rnd_us_phone()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
gen_rnd_uuid()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_disable_member_action()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_enable_member_action()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_get_communication_protocol()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_get_write_concurrency()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_reset_member_actions()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_set_as_primary()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_set_communication_protocol()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_set_write_concurrency()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_switch_to_multi_primary_mode()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
group_replication_switch_to_single_primary_mode()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_aws_rotate_cmks()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_aws_rotate_keys()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_hashicorp_update_config()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_key_fetch()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_key_generate()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_key_length_fetch()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_key_remove()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_key_store()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_key_type_fetch()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
load_rewrite_rules()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_canada_sin()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_inner()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_inner()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_inner()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_outer()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_outer()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_pan()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_pan()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_pan_relaxed()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_pan_relaxed()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_ssn()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_ssn()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_uuid()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mask_uuid()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
masking_dictionaries_flush()							Yes	Yes	Yes	Yes	Yes
masking_dictionary_remove()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
masking_dictionary_term_add()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
masking_dictionary_term_remove()	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mle_session_reset()									Yes	Yes	Yes
mle_session_state()									Yes	Yes	Yes
mle_set_session_state()									Yes	Yes	Yes
mysql_firewall_flush_status()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mysql_query_attribute_string()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
normalize_statement()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
option_tracker_option_register()										Yes	Yes
option_tracker_option_unregister()										Yes	Yes
option_tracker_usage_get()										Yes	Yes
option_tracker_usage_set()										Yes	Yes
read_firewall_group_allowlist()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
read_firewall_groups()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
read_firewall_users()	8.0.26			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
read_firewall_whitelist()	8.0.26			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
service_get_read_locks()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
service_get_write_locks()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
service_release_locks()	5.7.8			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
set_firewall_group_mode()	8.0.23			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
set_firewall_mode()	8.0.26			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_tokens_delete()	9.2.0			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_tokens_edit()	9.2.0			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_tokens_lock_exclusive()	9.2.0			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_tokens_lock_shared()	9.2.0			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_tokens_set()	9.2.0			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_tokens_show()	9.2.0			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_tokens_unlock()	9.2.0			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Chapter 4 INFORMATION_SCHEMA Tables

The following table shows all INFORMATION_SCHEMA tables available in MySQL Server. The table contains these columns:

- **Name**: The item name.
- **Introduced**: The version or versions in which the item was introduced. This column appears only if it applies to some item.
- **Deprecated**: The version or versions in which the item was deprecated. This column appears only if it applies to some item.
- **Removed**: The version or versions in which the item was removed. This column appears only if it applies to some item.
- Whether the item is available in the corresponding MySQL Server series. The indicator links to the item description in the main reference manual if more information is available.

  An item has a row in the table if it ever existed in any series shown in the table. The value displayed for a given series indicates item availability in that series:

  - Yes: The item is available in all production-ready General Availability (GA) versions. For a series that has not reached GA status, Yes indicates that the item is available in the most recently released pre-GA version.
  - Some: The item is available in some GA versions. This is the case if the item was introduced after the first GA version, or removed from some GA version.
  - Blank: The item is not available in any GA version. Either it does not exist in the series, or existed in pre-GA versions but was removed before the series reached GA status.

Table 4.1 INFORMATION_SCHEMA Table Reference

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
ADMINISTRABLE_ROLE_AUTHORIZATIONS	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
APPLICABLE_ROLES	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHARACTER_SETS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHECK_CONSTRAINTS	8.0.16				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLLATION_CHARACTER_SET_APPLICABILITY				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLLATIONS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLUMN_PRIVILEGES				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLUMN_STATISTICS	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLUMNS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLUMN_TYPE_ENCODINGS	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONNECTION_CONTROL_FAILED_LOGIN_ATTEMPTS	5.7.17			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENABLED_ROLES	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENGINES				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
EVENTS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
FILES				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
GLOBAL_STATUS			8.0.1	Yes								
GLOBAL_VARIABLES			8.0.1	Yes								
INNODB_BUFFER_PAGE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_BUFFER_PAGE_LRU				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_BUFFER_POOL_STATS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_CACHED_INDEXES					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_CMP				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_CMP_PER_INDEX				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_CMP_PER_INDEX_RESET				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_CMP_RESET				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_CMPMEM				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_CMPMEM_RESET				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_COLUMNS	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_DATAFILES	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FIELDS	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FOREIGN	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FOREIGN_COLS	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FT_BEING_DELETED				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FT_CONFIG				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FT_DEFAULT_STOPWORD				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FT_DELETED				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FT_INDEX_CACHE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_FT_INDEX_TABLE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_INDEXES	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_LOCK_WAITS	5.7.14		8.0.1	Yes								
INNODB_LOCKS	5.7.14		8.0.1	Yes								
INNODB_METRICS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_SESSION_TEMP_TABLESPACES	8.0.13				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_SYS_COLUMNS			8.0.2	Yes								
INNODB_SYS_DATAFILES			8.0.2	Yes								
INNODB_SYS_FIELDS			8.0.2	Yes								
INNODB_SYS_FOREIGN			8.0.2	Yes								
INNODB_SYS_FOREIGN_COLS			8.0.2	Yes								
INNODB_SYS_INDEXES			8.0.2	Yes								
INNODB_SYS_TABLES			8.0.2	Yes								
INNODB_SYS_TABLESPACES			8.0.2	Yes								

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
INNODB_SYS_TABLESTATS			8.0.2	Yes								
INNODB_SYS_VIRTUAL	5.7.8		8.0.2	Yes								
INNODB_TABLES	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_TABLESPACES	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_TABLESPACES_BRIEF	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_TABLESTATS	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_TEMP_TABLE_INFO	5.7.1			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_TRX				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_VIRTUAL	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
KEY_COLUMN_USAGE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
KEYWORDS	8.0.11				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQL_FIREWALL_USERS		8.0.26		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQL_FIREWALL_WHITELIST		8.0.26		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_transid_mysql_connection_map				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OPTIMIZER_TRACE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PARAMETERS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PARTITIONS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PLUGINS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PROCESSLIST				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
PROFILING				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
REFERENTIAL_CONSTRAINTS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RESOURCE_GROUPS	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROLE_COLUMN_GRANTS	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROLE_ROUTINE_GRANTS	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROLE_TABLE_GRANTS	8.0.19				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROUTINES				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCHEMA_PRIVILEGES				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCHEMATA				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCHEMATA_EXTENSIONS	8.0.22				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SESSION_STATUS			8.0.1	Yes								
SESSION_VARIABLES			8.0.1	Yes								
ST_GEOMETRY_COLUMNS	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_SPATIAL_REFERENCE_SYSTEMS	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ST_UNITS_OF_MEASURE	8.0.14				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
STATISTICS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TABLE_CONSTRAINTS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TABLE_CONSTRAINTS_EXTENSIONS	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
TABLE_PRIVILEGES				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TABLES				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TABLESPACE_EXTENSIONS	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TABLESPACES		8.0.22		Yes	Yes	Yes	Yes	Yes				
TABLESPACES_EXTENSIONS	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TP_THREAD_GROUP_STATE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TP_THREAD_GROUP_STATS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TP_THREAD_STATE				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TRIGGERS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USER_ATTRIBUTES	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USER_PRIVILEGES				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIEW_ROUTINE_USAGE	8.0.13				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIEW_TABLE_USAGE	8.0.13				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIEWS				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Chapter 5 Performance Schema Tables

The following table shows all Performance Schema tables available in MySQL Server. The table contains these columns:

- **Name**: The item name.
- **Introduced**: The version or versions in which the item was introduced. This column appears only if it applies to some item.
- **Deprecated**: The version or versions in which the item was deprecated. This column appears only if it applies to some item.
- **Removed**: The version or versions in which the item was removed. This column appears only if it applies to some item.
- Whether the item is available in the corresponding MySQL Server release series. The indicator links to the item description in the main reference manual if more information is available.

  An item has a row in the table if it ever existed in any series shown in the table. The value displayed for a given series indicates item availability in that series:

  - Yes: The item is available in all production-ready General Availability (GA) versions. For a series that has not reached GA status, Yes indicates that the item is available in the most recently released pre-GA version.
  - Some: The item is available in some GA versions. This is the case if the item was introduced after the first GA version, or removed from some GA version.
  - Blank: The item is not available in any GA version. Either it does not exist in the series, or existed in pre-GA versions but was removed before the series reached GA status.

Table 5.1 Performance Schema Table Reference

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
accounts				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
binary_log_transaction_compression_stats	8.0.20				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
clone_progress	8.0.17				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
clone_status	8.0.17				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
component_scheduler_tasks	8.0.34				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
cond_instances				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
data_lock_waits	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
data_locks	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
error_log	8.0.22				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_errors_summary_by_account_by_error					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_errors_summary_by_host_by_error					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_errors_summary_by_thread_by_error					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_errors_summary_by_user_by_error					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_errors_summary_global_by_error					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
events_stages_current				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_stages_history				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_stages_history_long				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_stages_summary_by_account_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_stages_summary_by_host_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_stages_summary_by_thread_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_stages_summary_by_user_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_stages_summary_global_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_current				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_histogram_by_digest	8.0.1			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_histogram_global	8.0.1			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_history				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_history_long				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_summary_by_account_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_summary_by_digest				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_summary_by_host_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_summary_by_program	5.7.2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_summary_by_thread_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_summary_by_user_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_statements_summary_global_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_transactions_current	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_transactions_history	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_transactions_history_long	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_transactions_summary_by_account_by_event_name	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_transactions_summary_by_host_by_event_name	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_transactions_summary_by_thread_by_event_name	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_transactions_summary_by_user_by_event_name	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_transactions_summary_global_by_event_name	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_current				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_history				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_history_long				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_summary_by_account_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_summary_by_host_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_summary_by_instance				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_summary_by_thread_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_summary_by_user_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
events_waits_summary_global_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
file_instances				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
file_summary_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
file_summary_by_instance				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
firewall_group_allowlist	8.0.23				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
firewall_groups	8.0.23				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
firewall_membership	8.0.23				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
global_status	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
global_variable_attributes										Yes	Yes	Yes
global_variables	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
host_cache				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
hosts				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_component_status	8.0.24				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
keyring_keys	8.0.16				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
log_status	8.0.11				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_summary_by_account_by_event_name	5.7.2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_summary_by_host_by_event_name	5.7.2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_summary_by_thread_by_event_name	5.7.2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_summary_by_user_by_event_name	5.7.2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_summary_global_by_event_name	5.7.2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
metadata_locks	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mutex_instances				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
mysql_option											Yes	Yes
ndb_replication_applier_status										Yes	Yes	Yes
ndb_sync_excluded_objects	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ndb_sync_pending_objects	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
objects_summary_global_by_type				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
performance_timers				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
persisted_variables	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
prepared_statements_instances	5.7.4			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
processlist	8.0.22				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_applier_configuration	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_applier_filters	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_applier_global_filters	8.0.1				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_applier_status	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_applier_status_by_coordinator	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_applier_status_by_worker	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_asynchronous_connection_failover	8.0.22				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
replication_asynchronous_connection_failover_managed	8.0.23				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_connection_configuration	5.7.2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_connection_status	5.7.2			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_group_communication_information	8.0.27				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_group_member_stats	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
replication_group_members	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
rwlock_instances				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_account_connect_attrs				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_connect_attrs				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_status	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_variables	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
setup_actors				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
setup_consumers				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
setup_instruments				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
setup_objects				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
setup_threads	8.0.3				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
setup_timers		5.7.21	8.0.4	Yes								
socket_instances				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
socket_summary_by_event_name				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
socket_summary_by_instance				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
status_by_account	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
status_by_host	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
status_by_thread	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
status_by_user	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
table_handles	5.7.3			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
table_io_waits_summary_by_index_usage				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
table_io_waits_summary_by_table				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
table_lock_waits_summary_by_table				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
threads				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
tls_channel_status	8.0.21				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
tp_thread_group_state	8.0.14				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
tp_thread_group_stats	8.0.14				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
tp_thread_state	8.0.14				Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
user_defined_functions	8.0.2				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
user_variables_by_thread	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
users				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
variables_by_thread	5.7.6			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table Name	Introduced	Deprecated	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
variables_info					Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
variables_metadata										Yes	Yes	Yes

Chapter 6 sys Schema Objects

The following tables show all `sys` schema objects available in MySQL Server. Each table contains these columns:

- **Name**: The item name.
- **Introduced**: The version or versions in which the item was introduced. This column appears only if it applies to some item.
- **Deprecated**: The version or versions in which the item was deprecated. This column appears only if it applies to some item.
- **Removed**: The version or versions in which the item was removed. This column appears only if it applies to some item.
- Whether the item is available in the corresponding MySQL Server release series. The indicator links to the item description in the main reference manual if more information is available.

  An item has a row in the table if it ever existed in any series shown in the table. The value displayed for a given series indicates item availability in that series:

  - Yes: The item is available in all production-ready General Availability (GA) versions. For a series that has not reached GA status, Yes indicates that the item is available in the most recently released pre-GA version.
  - Some: The item is available in some GA versions. This is the case if the item was introduced after the first GA version, or removed from some GA version.
  - Blank: The item is not available in any GA version. Either it does not exist in the series, or existed in pre-GA versions but was removed before the series reached GA status.

Table 6.1 sys Schema Table and Trigger Reference

Table or Trigger Name	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
`sys_config`	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`sys_config_insert_set_user`	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`sys_config_update_set_user`	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 6.2 sys Schema View Reference

View Name	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
`host_summary`, `x$host_summary`		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`host_summary_by_file_io`, `x$host_summary_by_file_io`		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
`host_summary_by_file_io_type`, `x$host_summary_by_file_io_type`		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

View Name	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
host_summary_by_stages, x $host_summary_by_stages	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
host_summary_by_statement_latency, x $host_summary_by_statement_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
host_summary_by_statement_type, x $host_summary_by_statement_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_stats_by_schema, x $innodb_buffer_stats_by_schema	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_buffer_stats_by_table, x $innodb_buffer_stats_by_table	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
innodb_lock_waits, x $innodb_lock_waits	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
io_by_thread_by_latency, x $io_by_thread_by_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
io_global_by_file_by_bytes, x $io_global_by_file_by_bytes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
io_global_by_file_by_latency, x $io_global_by_file_by_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
io_global_by_wait_by_bytes, x $io_global_by_wait_by_bytes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
io_global_by_wait_by_latency, x $io_global_by_wait_by_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
latest_file_io, x $latest_file_io	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_by_host_by_current_bytes, x $memory_by_host_by_current_bytes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_by_thread_by_current_bytes, x $memory_by_thread_by_current_bytes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_by_user_by_current_bytes, x $memory_by_user_by_current_bytes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

View Name	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
memory_global_by_current_bytes x $memory_global_by_current_bytes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
memory_global_total x $memory_global_total	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
metrics		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
processlist, x $processlist		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_check_lost_instrumentation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_auto_increment_columns	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_index_statistics, x $schema_index_statistics	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_object_overview	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_redundant_indexes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_table_lock_waits, x $schema_table_lock_waits	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_table_statistics, x $schema_table_statistics	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_table_statistics_with_buffer, x $schema_table_statistics_with_buffer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_tables_with_full_table_scans, x $schema_tables_with_full_table_scans	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
schema_unused_indexes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session, x $session		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
session_ssl_status	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
statement_analysis, x $statement_analysis	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
statements_with_errors_or_warnings, x $statements_with_errors_or_warnings	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
statements_with_full_table_scans, x $statements_with_full_table_scans	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

View Name	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
statements_with_runtimes_in_95th_percentile, x $statements_with_runtimes_in_95th_percentile	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
statements_with_sorting, x $statements_with_sorting	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
statements_with_temp_tables, x $statements_with_temp_tables	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
user_summary, x $user_summary	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
user_summary_by_file_io, x $user_summary_by_file_io	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
user_summary_by_file_io_type, x $user_summary_by_file_io_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
user_summary_by_stages, x $user_summary_by_stages	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
user_summary_by_statement_latency, x $user_summary_by_statement_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
user_summary_by_statement_type, x $user_summary_by_statement_type	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version	5.7.28, 8.0.18	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
wait_classes_global_by_avg_latency, x $wait_classes_global_by_avg_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
wait_classes_global_by_latency, x $wait_classes_global_by_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
waits_by_host_by_latency, x $waits_by_host_by_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
waits_by_user_by_latency, x $waits_by_user_by_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
waits_global_by_latency, x $waits_global_by_latency	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

View Name	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
x $ps_digest_95th_percentile_by_avg_us		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
x $ps_digest_avg_latency_distribution		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
x $ps_schema_table_statistics_io		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
x $schema_flattened_keys		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 6.3 sys Schema Stored Procedure Reference

Stored Procedure Name	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
create_synonym_db()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
diagnostics()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
execute_prepared_stmt()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_disable_background_threads()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_disable_consumer()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_disable_instrument()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_disable_thread()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_enable_background_threads()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_enable_consumer()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_enable_instrument()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_enable_thread()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_reload_saved()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_reset_to_default()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_save()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_show_disabled()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_show_disabled_consumers()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_show_disabled_instruments()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_show_enabled()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_show_enabled_consumers()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_setup_show_enabled_instruments()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_statement_avg_latency_histogram()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_trace_statement_digest()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_trace_thread()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_truncate_all_tables()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
statement_performance_analyzer()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
table_exists()	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Table 6.4 sys Schema Stored Function Reference

Stored Function Name	Introduced	Deprecated	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
extract_schema_from_file_name()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
extract_table_from_file_name()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
format_bytes()	8.0.16		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
format_path()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
format_statement()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
format_time()	8.0.16		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
list_add()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
list_drop()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_is_account_enabled()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_is_consumer_enabled()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_is_instrument_default_enabled()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_is_instrument_default_timed()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_is_thread_instrumented()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_thread_account()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_thread_id()	8.0.16		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_thread_stack()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ps_thread_trx_info()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
quote_identifier()	5.7.14		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
sys_get_config()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_major()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_minor()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
version_patch()			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Chapter 7 Keywords and Reserved Words

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This section contains information on the keywords and reserved words within the server when creating and submitting queries to the system. For more information on reserved words and their impact on your queries, see Keywords and Reserved Words, in the MySQL Manual.

The following table shows all keywords and reserved words available in MySQL Server. The table contains these columns:

- **Name**: The item name.
- **Introduced**: The version in which the item was introduced.
- **Removed**: The version in which the item was removed.
- Whether the item is available in the corresponding MySQL Server release series. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

Table 7.1 Keyword and Reserved Word Reference

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
ACCESSIBLE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ACCOUNT	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACTION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ACTIVE	8.0.14			Yes	Yes	Yes	Yes	Yes	Yes
ADD			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ADMIN				Yes	Yes	Yes	Yes	Yes	Yes
AFTER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
AGAINST			Yes	Yes	Yes	Yes	Yes	Yes	Yes
AGGREGATE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ALGORITHM			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ALL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ALTER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ALWAYS	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes
ANALYSE		8.0.1	Yes	Yes					

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
ANALYZE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
AND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ANY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ARRAY	8.0.17			Yes	Yes	Yes	Yes	Yes	Yes
AS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ASC			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ASCII			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ASENSITIVE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
AT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATTRIBUTE	8.0.21			Yes	Yes	Yes	Yes	Yes	Yes
AUTHENTICATION	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
AUTO								Yes	Yes
AUTOEXTEND_SIZE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
AUTO_INCREMENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
AVG			Yes	Yes	Yes	Yes	Yes	Yes	Yes
AVG_ROW_LENGTH			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BACKUP			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BEFORE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
BEGIN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BERNOULLI								Yes	Yes
BETWEEN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
BIGINT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
BINARY			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
BINLOG			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BIT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BLOB			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
BLOCK			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BOOL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BOOLEAN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BOTH			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
BTREE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
BUCKETS	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
BULK	8.0.32			Yes	Yes	Yes	Yes	Yes	Yes
BY			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
BYTE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CACHE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CALL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CASCADE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
CASCADED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CASE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CATALOG_NAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHAIN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHALLENGE_RESPONSE	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
CHANGE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CHANGED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHANNEL	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHAR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CHARACTER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CHARSET			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CHECK			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CHECKSUM			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CIPHER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLASS_ORIGIN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLIENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CLONE	8.0.3			Yes	Yes	Yes	Yes	Yes	Yes
CLOSE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COALESCE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CODE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLLATE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
COLLATION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLUMN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
COLUMNS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLUMN_FORMAT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COLUMN_NAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMMENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMMIT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMMITTED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMPACT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMPLETION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMPONENT				Yes	Yes	Yes	Yes	Yes	Yes
COMPRESSED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMPRESSION	5.7.8		Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONCURRENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONDITION			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CONNECTION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONSISTENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
CONSTRAINT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CONSTRAINT_CATALOG			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONSTRAINT_NAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONSTRAINT_SCHEMA			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONTAINS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONTEXT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CONTINUE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CONVERT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CPU			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CREATE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CROSS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CUBE			Yes	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CUME_DIST	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CURRENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
CURRENT_DATE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CURRENT_TIME			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CURRENT_TIMESTAMP			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CURRENT_USER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CURSOR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
CURSOR_NAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATA			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATABASE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DATABASES			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DATAFILE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DATETIME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DAY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DAY_HOUR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DAY_MICROSECOND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DAY_MINUTE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DAY_SECOND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DEALLOCATE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEC			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DECIMAL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DECLARE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DEFAULT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DEFAULT_AUTH			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEFINER			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
DEFINITION	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes
DELAYED			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DELAY_KEY_WRITE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DELETE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DENSE_RANK	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DESC			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DESCRIBE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DESCRIPTION	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes
DES_KEY_FILE		8.0.3	Yes	Yes					
DETERMINISTIC			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DIAGNOSTICS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DIRECTORY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISCARD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISK			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISTINCT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DISTINCTROW			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DIV			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DO			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DOUBLE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DROP			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DUAL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
DUMPFILE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DUPLICATE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
DYNAMIC			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EACH			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ELSE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ELSEIF			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
EMPTY	8.0.4			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ENABLE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENCLOSED			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ENCRYPTION	5.7.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes
END			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENDS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENFORCED	8.0.16			Yes	Yes	Yes	Yes	Yes	Yes
ENGINE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENGINES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENGINE_ATTRIBUTE	8.0.21			Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
ENUM			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERROR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ERRORS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ESCAPE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ESCAPED			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
EVENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EVENTS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EVERY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXCEPT				Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
EXCHANGE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXCLUDE	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
EXECUTE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXISTS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
EXIT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
EXPANSION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXPIRE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXPLAIN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
EXPORT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXTENDED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
EXTENT_SIZE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FACTOR	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
FAILED_LOGIN_ATTEMPTS	8.0.19			Yes	Yes	Yes	Yes	Yes	Yes
FALSE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FAST			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FAULTS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FETCH			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FIELDS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FILE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FILE_BLOCK_SIZE	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes
FILTER	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes
FINISH	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
FIRST			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FIRST_VALUE	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FIXED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FLOAT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FLOAT4			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FLOAT8			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FLUSH			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
FOLLOWING	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
FOLLOWS	5.7.2		Yes	Yes	Yes	Yes	Yes	Yes	Yes
FOR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FORCE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FOREIGN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FORMAT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FOUND			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FROM			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FULL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
FULLTEXT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
FUNCTION			Yes	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
GENERAL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
GENERATE	8.0.32			Yes	Yes	Yes	Yes	Yes	Yes
GENERATED	5.7.6		Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
GEOMCOLLECTION	8.0.11			Yes	Yes	Yes	Yes	Yes	Yes
GEOMETRY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
GEOMETRYCOLLECTION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
GET			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
GET_FORMAT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
GET_MASTER_PUBLIC_KEY	8.0.4			Yes	Yes	Yes	Yes		
GET_SOURCE_PUBLIC_KEY	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
GLOBAL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
GRANT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
GRANTS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
GROUP			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
GROUPING	8.0.1			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
GROUPS	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
GROUP_REPLICATION	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes
GTIDS						Yes	Yes	Yes	Yes
GTID_ONLY	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
HANDLER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
HASH			Yes	Yes	Yes	Yes	Yes	Yes	Yes
HAVING			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
HELP			Yes	Yes	Yes	Yes	Yes	Yes	Yes
HIGH_PRIORITY			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
HISTOGRAM	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
HISTORY	8.0.3			Yes	Yes	Yes	Yes	Yes	Yes
HOST			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
HOSTS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
HOUR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
HOUR_MICROSECOND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
HOUR_MINUTE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
HOUR_SECOND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
IDENTIFIED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
IF			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
IGNORE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
IGNORE_SERVER_IDS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
IMPORT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
IN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INACTIVE	8.0.14			Yes	Yes	Yes	Yes	Yes	Yes
INDEX			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INDEXES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
INFILE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INITIAL	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
INITIAL_SIZE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
INITIATE	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
INNER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INOUT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INSENSITIVE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INSERT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INSERT_METHOD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTANCE	5.7.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes
INT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INT1			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INT2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INT3			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INT4			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INT8			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INTEGER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INTERSECT	8.0.31			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INTERVAL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INTO			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
INVISIBLE				Yes	Yes	Yes	Yes	Yes	Yes
INVOKER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
IO			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
IO_AFTER_GTIDS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
IO_BEFORE_GTIDS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
IO_THREAD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
IPC			Yes	Yes	Yes	Yes	Yes	Yes	Yes
IS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ISOLATION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ISSUER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ITERATE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
JOIN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
JSON	5.7.8		Yes	Yes	Yes	Yes	Yes	Yes	Yes
JSON_TABLE	8.0.4			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
JSON_VALUE	8.0.21			Yes	Yes	Yes	Yes	Yes	Yes
KEY			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
KEYRING	8.0.24			Yes	Yes	Yes	Yes	Yes	Yes
KEYS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
KEY_BLOCK_SIZE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
KILL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LAG	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LANGUAGE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LAST			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LAST_VALUE	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LATERAL	8.0.14			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LEAD	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LEADING			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LEAVE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LEAVES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEFT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LESS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LEVEL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LIKE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LIMIT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LINEAR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LINES			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LINESTRING			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LIST			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOAD			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LOCAL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOCALTIME			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
LOCALTIMESTAMP			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LOCK			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LOCKED	8.0.1			Yes	Yes	Yes	Yes	Yes	Yes
LOCKS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOG						Yes	Yes	Yes	Yes
LOGFILE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LOGS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
LONG			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LONGBLOB			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LONGTEXT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LOOP			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
LOW_PRIORITY			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MANUAL								Yes (R)	Yes (R)
MASTER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MASTER_AUTO_POSITION			Yes	Yes	Yes	Yes	Yes		
MASTER_BIND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)		
MASTER_COMPRESSION_ALGORITHMS	8.0.18			Yes	Yes	Yes	Yes		
MASTER_CONNECT_RETRY			Yes	Yes	Yes	Yes	Yes		
MASTER_DELAY			Yes	Yes	Yes	Yes	Yes		
MASTER_HEARTBEAT_PERIOD			Yes	Yes	Yes	Yes	Yes		
MASTER_HOST			Yes	Yes	Yes	Yes	Yes		
MASTER_LOG_FILE			Yes	Yes	Yes	Yes	Yes		
MASTER_LOG_POS			Yes	Yes	Yes	Yes	Yes		
MASTER_PASSWORD			Yes	Yes	Yes	Yes	Yes		
MASTER_PORT			Yes	Yes	Yes	Yes	Yes		
MASTER_PUBLIC_KEY_PATH	8.0.4			Yes	Yes	Yes	Yes		
MASTER_RETRY_COUNT			Yes	Yes	Yes	Yes	Yes		
MASTER_SERVER_ID		8.0.23	Yes	Yes					
MASTER_SSL			Yes	Yes	Yes	Yes	Yes		
MASTER_SSL_CA			Yes	Yes	Yes	Yes	Yes		
MASTER_SSL_CAPATH			Yes	Yes	Yes	Yes	Yes		
MASTER_SSL_CERT			Yes	Yes	Yes	Yes	Yes		
MASTER_SSL_CIPHER			Yes	Yes	Yes	Yes	Yes		
MASTER_SSL_CRL			Yes	Yes	Yes	Yes	Yes		
MASTER_SSL_CRLPATH			Yes	Yes	Yes	Yes	Yes		
MASTER_SSL_KEY			Yes	Yes	Yes	Yes	Yes		
MASTER_SSL_VERIFY_SERVER_CERT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)		
MASTER_TLS_CIPHERSUITES	8.0.19			Yes	Yes	Yes	Yes		

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
MASTER_TLS_VERSION	5.7.10		Yes	Yes	Yes	Yes	Yes		
MASTER_USER			Yes	Yes	Yes	Yes	Yes		
MASTER_ZSTD_COMPRESSION_LEVEL	8.0.18		Yes	Yes	Yes	Yes	Yes		
MATCH			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MAXVALUE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MAX_CONNECTIONS_PER_HOUR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAX_QUERIES_PER_HOUR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAX_ROWS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAX_SIZE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAX_STATEMENT_TIME	5.7.4	5.7.8	Yes						
MAX_UPDATES_PER_HOUR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAX_USER_CONNECTIONS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEDIUM			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEDIUMBLOB			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MEDIUMINT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MEDIUMTEXT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MEMBER	8.0.17			Yes	Yes	Yes	Yes	Yes	Yes
MEMORY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MERGE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MESSAGE_TEXT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MICROSECOND			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MIDDLEINT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MIGRATE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MINUTE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MINUTE_MICROSECOND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MINUTE_SECOND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MIN_ROWS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MOD			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MODE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MODIFIES			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
MODIFY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MONTH			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MULTILINESTRING			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MULTIPOINT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MULTIPOLYGON			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MUTEX			Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQL_ERRNO			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
NAMES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NATIONAL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NATURAL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
NCHAR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NDB			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NDBCLUSTER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NESTED	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes
NETWORK_NAMESPACE	8.0.16			Yes	Yes	Yes	Yes	Yes	Yes
NEVER	5.7.4		Yes	Yes	Yes	Yes	Yes	Yes	Yes
NEW			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NEXT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NO			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NODEGROUP			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NONBLOCKING		5.7.6	Yes (R)						
NONE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NOT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
NOWAIT	8.0.1			Yes	Yes	Yes	Yes	Yes	Yes
NO_WAIT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NO_WRITE_TO_BINLOG			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
NTH_VALUE	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
NTILE	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
NULL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
NULLS	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
NUMBER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
NUMERIC			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
NVARCHAR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
OF	8.0.1			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
OFF	8.0.20			Yes	Yes	Yes	Yes	Yes	Yes
OFFSET			Yes	Yes	Yes	Yes	Yes	Yes	Yes
OJ	8.0.16			Yes	Yes	Yes	Yes	Yes	Yes
OLD	8.0.14			Yes	Yes	Yes	Yes	Yes	Yes
OLD_PASSWORD		5.7.5	Yes						
ON			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ONE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ONLY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
OPEN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
OPTIMIZE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
OPTIMIZER_COSTS	5.7.5		Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
OPTION			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
OPTIONAL	8.0.13			Yes	Yes	Yes	Yes	Yes	Yes
OPTIONALLY			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
OPTIONS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
OR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ORDER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ORDINALITY	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes
ORGANIZATION	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes
OTHERS	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
OUT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
OUTER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
OUTFILE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
OVER	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
OWNER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PACK_KEYS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PAGE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PARALLEL						Yes (R)	Yes (R)	Yes (R)	Yes (R)
PARSER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PARSE_GCOL_EXPR	5.7.6		Yes						
PARSE_TREE					Yes	Yes	Yes	Yes	Yes
PARTIAL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PARTITION			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
PARTITIONING			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PARTITIONS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PASSWORD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PASSWORD_LOCK_TIME	8.0.19			Yes	Yes	Yes	Yes	Yes	Yes
PATH	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes
PERCENT_RANK	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
PERSIST				Yes	Yes	Yes	Yes	Yes	Yes
PERSIST_ONLY	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
PHASE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PLUGIN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PLUGINS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PLUGIN_DIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
POINT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
POLYGON			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PORT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PRECEDES	5.7.2		Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
PRECEDING	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
PRECISION			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
PREPARE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PRESERVE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PREV			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PRIMARY			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
PRIVILEGES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PRIVILEGE_CHECKS_USER	8.0.18			Yes	Yes	Yes	Yes	Yes	Yes
PROCEDURE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
PROCESS	8.0.11			Yes	Yes	Yes	Yes	Yes	Yes
PROCESSLIST			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PROFILE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PROFILES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PROXY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
PURGE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
QUALIFY							Yes (R)	Yes (R)	Yes (R)
QUARTER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
QUERY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
QUICK			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RANDOM	8.0.18			Yes	Yes	Yes	Yes	Yes	Yes
RANGE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
RANK	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
READ			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
READS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
READ_ONLY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
READ_WRITE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REAL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REBUILD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RECOVER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RECURSIVE	8.0.1			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REDOFILE		8.0.3	Yes	Yes					
REDO_BUFFER_SIZE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REDUNDANT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REFERENCE	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes
REFERENCES			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REGEXP			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REGISTRATION	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
RELAY			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
RELAYLOG			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RELAY_LOG_FILE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RELAY_LOG_POS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RELAY_THREAD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RELEASE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
RELOAD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REMOTE	8.0.3	8.0.14		Yes					
REMOVE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RENAME			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REORGANIZE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPAIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPEAT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REPEATABLE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLACE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REPLICA	8.0.22			Yes	Yes	Yes	Yes	Yes	Yes
REPLICAS	8.0.22			Yes	Yes	Yes	Yes	Yes	Yes
REPLICATE_DO_DB	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLICATE_DO_TABLE	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLICATE_IGNORE_DB	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLICATE_IGNORE_TABLE	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLICATE_REWRITE_DB	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLICATE_WILD_DO_TABLE	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLICATE_WILD_IGNORE_TABLE	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes
REPLICATION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REQUIRE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
REQUIRE_ROW_FORMAT	8.0.19			Yes	Yes	Yes	Yes	Yes	Yes
RESET			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RESIGNAL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
RESOURCE	8.0.3			Yes	Yes	Yes	Yes	Yes	Yes
RESPECT	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
RESTART	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes
RESTORE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RESTRICT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
RESUME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RETAIN	8.0.14			Yes	Yes	Yes	Yes	Yes	Yes
RETURN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
RETURNED_SQLSTATE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
RETURNING	8.0.21			Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
RETURNS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REUSE	8.0.3			Yes	Yes	Yes	Yes	Yes	Yes
REVERSE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
REVOKE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
RIGHT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
RLIKE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ROLE				Yes	Yes	Yes	Yes	Yes	Yes
ROLLBACK			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROLLUP			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROTATE	5.7.11		Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROUTINE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROW			Yes	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ROWS			Yes	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ROW_COUNT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROW_FORMAT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
ROW_NUMBER	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
RTREE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
S3						Yes	Yes	Yes	Yes
SAVEPOINT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCHEDULE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SCHEMA			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SCHEMAS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SCHEMA_NAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SECOND			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SECONDARY	8.0.16			Yes	Yes	Yes	Yes	Yes	Yes
SECONDARY_ENGINE	8.0.13			Yes	Yes	Yes	Yes	Yes	Yes
SECONDARY_ENGINE_ATTRIBUTE	8.0.21			Yes	Yes	Yes	Yes	Yes	Yes
SECONDARY_LOAD	8.0.13			Yes	Yes	Yes	Yes	Yes	Yes
SECONDARY_UNLOAD	8.0.13			Yes	Yes	Yes	Yes	Yes	Yes
SECOND_MICROSECOND			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SECURITY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SELECT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SENSITIVE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SEPARATOR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SERIAL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SERIALIZABLE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SERVER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SESSION			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
SET			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SHARE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SHOW			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SHUTDOWN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIGNAL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SIGNED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SIMPLE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SKIP	8.0.1			Yes	Yes	Yes	Yes	Yes	Yes
SLAVE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SLOW			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SMALLINT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SNAPSHOT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOCKET			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SONAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOUNDS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOURCE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_AUTO_POSITION	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_BIND	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_COMPRESSION_ALGORITHMS	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_CONNECT_RETRY	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_DELAY	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_HEARTBEAT_PERIOD	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_HOST	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_LOG_FILE	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_LOG_POS	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_PASSWORD	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_PORT	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_PUBLIC_KEY_PATH	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_RETRY_COUNT	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_SSL	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_SSL_CA	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_SSL_CAPATH	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_SSL_CERT	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_SSL_CIPHER	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_SSL_CRL	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_SSL_CRLPATH	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_SSL_KEY	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
SOURCE_SSL_VERIFY_SERVER_CERT	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_TLS_CIPHERSUITES	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_TLS_VERSION	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_UBF	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SOURCE_ZSTD_COMPRESSION_LEVEL	8.0.23			Yes	Yes	Yes	Yes	Yes	Yes
SPATIAL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SPECIFIC			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SQL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SQLEXCEPTION			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SQLSTATE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SQLWARNING			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SQL_AFTER_GTIDS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_AFTER_MTS_GAPS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_BEFORE_GTIDS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_BIG_RESULT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SQL_BUFFER_RESULT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_CACHE		8.0.3	Yes	Yes					
SQL_CALC_FOUND_ROWS			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SQL_NO_CACHE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_SMALL_RESULT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
SQL_THREAD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_TSI_DAY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_TSI_HOUR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_TSI_MINUTE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_TSI_MONTH			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_TSI_QUARTER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_TSI_SECOND			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_TSI_WEEK			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SQL_TSI_YEAR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SRID	8.0.3			Yes	Yes	Yes	Yes	Yes	Yes
SSL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
STACKED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
START			Yes	Yes	Yes	Yes	Yes	Yes	Yes
STARTING			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
STARTS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
STATS_AUTO_RECALC			Yes	Yes	Yes	Yes	Yes	Yes	Yes
STATS_PERSISTENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
STATS_SAMPLE_PAGES			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
STATUS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
STOP			Yes	Yes	Yes	Yes	Yes	Yes	Yes
STORAGE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
STORED	5.7.6		Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
STRAIGHT_JOIN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
STREAM	8.0.20			Yes	Yes	Yes	Yes	Yes	Yes
STRING			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUBCLASS_ORIGIN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUBJECT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUBPARTITION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUBPARTITIONS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUPER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUSPEND			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SWAPS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SWITCHES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
SYSTEM	8.0.3			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TABLE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TABLES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TABLESAMPLE								Yes (R)	Yes (R)
TABLESPACE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TABLE_CHECKSUM			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TABLE_NAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TEMPORARY			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TEMPTABLE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TERMINATED			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TEXT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
THAN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
THEN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
THREAD_PRIORITY	8.0.3			Yes	Yes	Yes	Yes	Yes	Yes
TIES	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
TIME			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIMESTAMP			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIMESTAMPADD			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TIMESTAMPDIFF			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TINYBLOB			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TINYINT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TINYTEXT			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TLS	8.0.21			Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
TO			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TRAILING			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TRANSACTION			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TRIGGER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TRIGGERS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TRUE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
TRUNCATE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TYPE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
TYPES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNBOUNDED	8.0.2			Yes	Yes	Yes	Yes	Yes	Yes
UNCOMMITTED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNDEFINED			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNDO			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UNDOFILE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNDO_BUFFER_SIZE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNICODE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNINSTALL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNION			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UNIQUE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UNKNOWN			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UNLOCK			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UNREGISTER	8.0.27			Yes	Yes	Yes	Yes	Yes	Yes
UNSIGNED			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UNTIL			Yes	Yes	Yes	Yes	Yes	Yes	Yes
UPDATE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UPGRADE			Yes	Yes	Yes	Yes	Yes	Yes	Yes
URL	8.0.32			Yes	Yes	Yes	Yes	Yes	Yes
USAGE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
USE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
USER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
USER_RESOURCES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
USE_FRM			Yes	Yes	Yes	Yes	Yes	Yes	Yes
USING			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UTC_DATE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UTC_TIME			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
UTC_TIMESTAMP			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
VALIDATION	5.7.5		Yes	Yes	Yes	Yes	Yes	Yes	Yes
VALUE			Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0
VALUES			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
VARBINARY			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
VARCHAR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
VARCHARACTER			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
VARIABLES			Yes	Yes	Yes	Yes	Yes	Yes	Yes
VARYING			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
VCPU	8.0.3			Yes	Yes	Yes	Yes	Yes	Yes
VECTOR									Yes
VIEW			Yes	Yes	Yes	Yes	Yes	Yes	Yes
VIRTUAL	5.7.6		Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
VISIBLE				Yes	Yes	Yes	Yes	Yes	Yes
WAIT			Yes	Yes	Yes	Yes	Yes	Yes	Yes
WARNINGS			Yes	Yes	Yes	Yes	Yes	Yes	Yes
WEEK			Yes	Yes	Yes	Yes	Yes	Yes	Yes
WEIGHT_STRING			Yes	Yes	Yes	Yes	Yes	Yes	Yes
WHEN			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
WHERE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
WHILE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
WINDOW	8.0.2			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
WITH			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
WITHOUT	5.7.5		Yes	Yes	Yes	Yes	Yes	Yes	Yes
WORK			Yes	Yes	Yes	Yes	Yes	Yes	Yes
WRAPPER			Yes	Yes	Yes	Yes	Yes	Yes	Yes
WRITE			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
X509			Yes	Yes	Yes	Yes	Yes	Yes	Yes
XA			Yes	Yes	Yes	Yes	Yes	Yes	Yes
XID	5.7.5		Yes	Yes	Yes	Yes	Yes	Yes	Yes
XML			Yes	Yes	Yes	Yes	Yes	Yes	Yes
XOR			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
YEAR			Yes	Yes	Yes	Yes	Yes	Yes	Yes
YEAR_MONTH			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ZEROFILL			Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)	Yes (R)
ZONE	8.0.22			Yes	Yes	Yes	Yes	Yes	Yes

7.1 Keywords and Reserved Words in MySQL 5.7

This section provides information about keywords and reserved words in MySQL 5.7.

- MySQL 5.7 Keywords and Reserved Words

- MySQL 5.7 New Keywords and Reserved Words
- MySQL 5.7 Removed Keywords and Reserved Words

MySQL 5.7 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 5.7, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- `ACCESSIBLE` (R)
- `ACCOUNT`; added in 5.7.6 (nonreserved)
- `ACTION`
- `ADD` (R)
- `AFTER`
- `AGAINST`
- `AGGREGATE`
- `ALGORITHM`
- `ALL` (R)
- `ALTER` (R)
- `ALWAYS`; added in 5.7.6 (nonreserved)
- `ANALYSE`
- `ANALYZE` (R)
- `AND` (R)
- `ANY`
- `AS` (R)
- `ASC` (R)
- `ASCII`
- `ASENSITIVE` (R)
- `AT`
- `AUTOEXTEND_SIZE`
- `AUTO_INCREMENT`
- `AVG`
- `AVG_ROW_LENGTH`

B

- BACKUP
- BEFORE (R)
- BEGIN
- BETWEEN (R)
- BIGINT (R)
- BINARY (R)
- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN
- BOTH (R)
- BTREE
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)
- CATALOG_NAME
- CHAIN
- CHANGE (R)
- CHANGED
- CHANNEL; added in 5.7.6 (nonreserved)
- CHAR (R)
- CHARACTER (R)

- CHARSET
- CHECK (R)
- CHECKSUM
- CIPHER
- CLASS_ORIGIN
- CLIENT
- CLOSE
- COALESCE
- CODE
- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME
- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPRESSED
- COMPRESSION; added in 5.7.8 (nonreserved)
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME
- CONSTRAINT_SCHEMA

- CONTAINS
- CONTEXT
- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)
- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)
- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE
- DEC (R)
- DECIMAL (R)

- DECLARE (R)
- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DELAYED (R)
- DELAY_KEY_WRITE
- DELETE (R)
- DESC (R)
- DESCRIBE (R)
- DES_KEY_FILE
- DETERMINISTIC (R)
- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)
- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE
- DYNAMIC

E

- EACH (R)
- ELSE (R)
- ELSEIF (R)

- ENABLE
- ENCLOSED (R)
- ENCRYPTION; added in 5.7.11 (nonreserved)
- END
- ENDS
- ENGINE
- ENGINES
- ENUM
- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS
- EVERY
- EXCHANGE
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION
- EXPIRE
- EXPLAIN (R)
- EXPORT
- EXTENDED
- EXTENT_SIZE

F

- FALSE (R)
- FAST
- FAULTS
- FETCH (R)

- FIELDS
- FILE
- FILE_BLOCK_SIZE; added in 5.7.6 (nonreserved)
- FILTER; added in 5.7.3 (nonreserved)
- FIRST
- FIXED
- FLOAT (R)
- FLOAT4 (R)
- FLOAT8 (R)
- FLUSH
- FOLLOWS; added in 5.7.2 (nonreserved)
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT
- FOUND
- FROM (R)
- FULL
- FULLTEXT (R)
- FUNCTION

G

- GENERAL
- GENERATED (R); added in 5.7.6 (reserved)
- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GLOBAL
- GRANT (R)
- GRANTS

- GROUP (R)
- GROUP_REPLICATION; added in 5.7.6 (nonreserved)

H

- HANDLER
- HASH
- HAVING (R)
- HELP
- HIGH_PRIORITY (R)
- HOST
- HOSTS
- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED
- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)
- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL_SIZE
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD

- INSTALL
- INSTANCE; added in 5.7.11 (nonreserved)
- INT (R)
- INT1 (R)
- INT2 (R)
- INT3 (R)
- INT4 (R)
- INT8 (R)
- INTEGER (R)
- INTERVAL (R)
- INTO (R)
- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD
- IPC
- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON; added in 5.7.8 (nonreserved)

K

- KEY (R)
- KEYS (R)
- KEY_BLOCK_SIZE
- KILL (R)

L

- LANGUAGE
- LAST
- LEADING (R)
- LEAVE (R)
- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIKE (R)
- LIMIT (R)
- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)
- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKS
- LOGFILE
- LOGS
- LONG (R)
- LONGBLOB (R)
- LONGTEXT (R)
- LOOP (R)
- LOW_PRIORITY (R)

M

- MASTER
- MASTER_AUTO_POSITION

- MASTER_BIND (R)
- MASTER_CONNECT_RETRY
- MASTER_DELAY
- MASTER_HEARTBEAT_PERIOD
- MASTER_HOST
- MASTER_LOG_FILE
- MASTER_LOG_POS
- MASTER_PASSWORD
- MASTER_PORT
- MASTER_RETRY_COUNT
- MASTER_SERVER_ID
- MASTER_SSL
- MASTER_SSL_CA
- MASTER_SSL_CAPATH
- MASTER_SSL_CERT
- MASTER_SSL_CIPHER
- MASTER_SSL_CRL
- MASTER_SSL_CRLPATH
- MASTER_SSL_KEY
- MASTER_SSL_VERIFY_SERVER_CERT (R)
- MASTER_TLS_VERSION; added in 5.7.10 (nonreserved)
- MASTER_USER
- MATCH (R)
- MAXVALUE (R)
- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE
- MAX_STATEMENT_TIME; added in 5.7.4 (nonreserved); removed in 5.7.8
- MAX_UPDATES_PER_HOUR

- MAX_USER_CONNECTIONS
- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)
- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)
- MODIFY
- MONTH
- MULTILINESTRING
- MULTIPOINT
- MULTIPOLYGON
- MUTEX
- MYSQL_ERRNO

N

- NAME
- NAMES
- NATIONAL
- NATURAL (R)

- NCHAR
- NDB
- NDBCLUSTER
- NEVER; added in 5.7.4 (nonreserved)
- NEW
- NEXT
- NO
- NODEGROUP
- NONBLOCKING; removed in 5.7.6
- NONE
- NOT (R)
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NULL (R)
- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OFFSET
- OLD_PASSWORD; removed in 5.7.5
- ON (R)
- ONE
- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R); added in 5.7.5 (reserved)
- OPTION (R)
- OPTIONALLY (R)
- OPTIONS
- OR (R)

- ORDER (R)
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OWNER

P

- PACK_KEYS
- PAGE
- PARSER
- PARSE_GCOL_EXPR; added in 5.7.6 (reserved); became nonreserved in 5.7.8
- PARTIAL
- PARTITION (R)
- PARTITIONING
- PARTITIONS
- PASSWORD
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON
- PORT
- PRECEDES; added in 5.7.2 (nonreserved)
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)
- PRIVILEGES
- PROCEDURE (R)

- PROCESSLIST
- PROFILE
- PROFILES
- PROXY
- PURGE (R)

Q

- QUARTER
- QUERY
- QUICK

R

- RANGE (R)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)
- REBUILD
- RECOVER
- REDOFILE
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCES (R)
- REGEXP (R)
- RELAY
- RELAYLOG
- RELAY_LOG_FILE
- RELAY_LOG_POS
- RELAY_THREAD
- RELEASE (R)
- RELOAD

- REMOVE
- RENAME (R)
- REORGANIZE
- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICATE_DO_DB; added in 5.7.3 (nonreserved)
- REPLICATE_DO_TABLE; added in 5.7.3 (nonreserved)
- REPLICATE_IGNORE_DB; added in 5.7.3 (nonreserved)
- REPLICATE_IGNORE_TABLE; added in 5.7.3 (nonreserved)
- REPLICATE_REWRITE_DB; added in 5.7.3 (nonreserved)
- REPLICATE_WILD_DO_TABLE; added in 5.7.3 (nonreserved)
- REPLICATE_WILD_IGNORE_TABLE; added in 5.7.3 (nonreserved)
- REPLICATION
- REQUIRE (R)
- RESET
- RESIGNAL (R)
- RESTORE
- RESTRICT (R)
- RESUME
- RETURN (R)
- RETURNED_SQLSTATE
- RETURNS
- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLLBACK
- ROLLUP

- ROTATE; added in 5.7.11 (nonreserved)
- ROUTINE
- ROW
- ROWS
- ROW_COUNT
- ROW_FORMAT
- RTREE

S

- SAVEPOINT
- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)
- SCHEMA_NAME
- SECOND
- SECOND_MICROSECOND (R)
- SECURITY
- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN
- SIGNAL (R)
- SIGNED
- SIMPLE

- SLAVE
- SLOW
- SMALLINT (R)
- SNAPSHOT
- SOCKET
- SOME
- SONAME
- SOUNDS
- SOURCE
- SPATIAL (R)
- SPECIFIC (R)
- SQL (R)
- SQLEXCEPTION (R)
- SQLSTATE (R)
- SQLWARNING (R)
- SQL_AFTER_GTIDS
- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)
- SQL_BUFFER_RESULT
- SQL_CACHE
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER

- SQL_TSI_SECOND
- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SSL (R)
- STACKED
- START
- STARTING (R)
- STARTS
- STATS_AUTO_RECALC
- STATS_PERSISTENT
- STATS_SAMPLE_PAGES
- STATUS
- STOP
- STORAGE
- STORED (R); added in 5.7.6 (reserved)
- STRAIGHT_JOIN (R)
- STRING
- SUBCLASS_ORIGIN
- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES

T

- TABLE (R)
- TABLES
- TABLESPACE
- TABLE_CHECKSUM

- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)
- TEXT
- THAN
- THEN (R)
- TIME
- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF
- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE

- UNINSTALL
- UNION (R)
- UNIQUE (R)
- UNKNOWN
- UNLOCK (R)
- UNSIGNED (R)
- UNTIL
- UPDATE (R)
- UPGRADE
- USAGE (R)
- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION; added in 5.7.5 (nonreserved)
- VALUE
- VALUES (R)
- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VIEW
- VIRTUAL (R); added in 5.7.6 (reserved)

W

- WAIT
- WARNINGS
- WEEK
- WEIGHT_STRING
- WHEN (R)
- WHERE (R)
- WHILE (R)
- WITH (R)
- WITHOUT; added in 5.7.5 (nonreserved)
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID; added in 5.7.5 (nonreserved)
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)

MySQL 5.7 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 5.7, compared to MySQL 5.6. Reserved keywords are marked with (R).

A | C | E | F | G | I | J | M | N | O | P | R | S | V | W | X

A

- ACCOUNT
- ALWAYS

C

- CHANNEL
- COMPRESSION

E

- ENCRYPTION

F

- FILE_BLOCK_SIZE
- FILTER
- FOLLOWS

G

- GENERATED (R)
- GROUP_REPLICATION

I

- INSTANCE

J

- JSON

M

- MASTER_TLS_VERSION

N

- NEVER

O

- OPTIMIZER_COSTS (R)

P

- PARSE_GCOL_EXPR
- PRECEDES

R

- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB

- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- ROTATE

S

- STACKED
- STORED (R)

V

- VALIDATION
- VIRTUAL (R)

W

- WITHOUT

X

- XID

MySQL 5.7 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 5.7, compared to MySQL 5.6. Reserved keywords are marked with (R).

- OLD_PASSWORD

7.2 Keywords and Reserved Words in MySQL 8.0

This section provides information about keywords and reserved words in MySQL 8.0.

- MySQL 8.0 Keywords and Reserved Words
- MySQL 8.0 New Keywords and Reserved Words
- MySQL 8.0 Removed Keywords and Reserved Words

MySQL 8.0 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 8.0, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- ACCESSIBLE (R)
- ACCOUNT
- ACTION

- ACTIVE; added in 8.0.14 (nonreserved)
- ADD (R)
- ADMIN; became nonreserved in 8.0.12
- AFTER
- AGAINST
- AGGREGATE
- ALGORITHM
- ALL (R)
- ALTER (R)
- ALWAYS
- ANALYSE; removed in 8.0.1
- ANALYZE (R)
- AND (R)
- ANY
- ARRAY; added in 8.0.17 (reserved); became nonreserved in 8.0.19
- AS (R)
- ASC (R)
- ASCII
- ASENSITIVE (R)
- AT
- ATTRIBUTE; added in 8.0.21 (nonreserved)
- AUTHENTICATION; added in 8.0.27 (nonreserved)
- AUTOEXTEND_SIZE
- AUTO_INCREMENT
- AVG
- AVG_ROW_LENGTH

B

- BACKUP
- BEFORE (R)
- BEGIN

- BETWEEN (R)
- BIGINT (R)
- BINARY (R)
- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN
- BOTH (R)
- BTREE
- BUCKETS; added in 8.0.2 (nonreserved)
- BULK; added in 8.0.32 (nonreserved)
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)
- CATALOG_NAME
- CHAIN
- CHALLENGE_RESPONSE; added in 8.0.27 (nonreserved)
- CHANGE (R)
- CHANGED
- CHANNEL
- CHAR (R)
- CHARACTER (R)
- CHARSET

- CHECK (R)
- CHECKSUM
- CIPHER
- CLASS_ORIGIN
- CLIENT
- CLONE; added in 8.0.3 (nonreserved)
- CLOSE
- COALESCE
- CODE
- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME
- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPONENT
- COMPRESSED
- COMPRESSION
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME

- CONSTRAINT_SCHEMA
- CONTAINS
- CONTEXT
- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE (R); became reserved in 8.0.1
- CUME_DIST (R); added in 8.0.2 (reserved)
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)
- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)
- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE

- DEC (R)
- DECIMAL (R)
- DECLARE (R)
- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DEFINITION; added in 8.0.4 (nonreserved)
- DELAYED (R)
- DELAY_KEY_WRITE
- DELETE (R)
- DENSE_RANK (R); added in 8.0.2 (reserved)
- DESC (R)
- DESCRIBE (R)
- DESCRIPTION; added in 8.0.4 (nonreserved)
- DES_KEY_FILE; removed in 8.0.3
- DETERMINISTIC (R)
- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)
- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE

- DYNAMIC

E

- EACH (R)
- ELSE (R)
- ELSEIF (R)
- EMPTY (R); added in 8.0.4 (reserved)
- ENABLE
- ENCLOSED (R)
- ENCRYPTION
- END
- ENDS
- ENFORCED; added in 8.0.16 (nonreserved)
- ENGINE
- ENGINES
- ENGINE_ATTRIBUTE; added in 8.0.21 (nonreserved)
- ENUM
- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS
- EVERY
- EXCEPT (R)
- EXCHANGE
- EXCLUDE; added in 8.0.2 (nonreserved)
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION

- EXPIRE
- EXPLAIN (R)
- EXPORT
- EXTENDED
- EXTENT_SIZE

F

- FACTOR; added in 8.0.27 (nonreserved)
- FAILED_LOGIN_ATTEMPTS; added in 8.0.19 (nonreserved)
- FALSE (R)
- FAST
- FAULTS
- FETCH (R)
- FIELDS
- FILE
- FILE_BLOCK_SIZE
- FILTER
- FINISH; added in 8.0.27 (nonreserved)
- FIRST
- FIRST_VALUE (R); added in 8.0.2 (reserved)
- FIXED
- FLOAT (R)
- FLOAT4 (R)
- FLOAT8 (R)
- FLUSH
- FOLLOWING; added in 8.0.2 (nonreserved)
- FOLLOWS
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT

- FOUND
- FROM (R)
- FULL
- FULLTEXT (R)
- FUNCTION (R); became reserved in 8.0.1

G

- GENERAL
- GENERATE; added in 8.0.32 (nonreserved)
- GENERATED (R)
- GEOMCOLLECTION; added in 8.0.11 (nonreserved)
- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GET_MASTER_PUBLIC_KEY; added in 8.0.4 (reserved); became nonreserved in 8.0.11
- GET_SOURCE_PUBLIC_KEY; added in 8.0.23 (nonreserved)
- GLOBAL
- GRANT (R)
- GRANTS
- GROUP (R)
- GROUPING (R); added in 8.0.1 (reserved)
- GROUPS (R); added in 8.0.2 (reserved)
- GROUP_REPLICATION
- GTID_ONLY; added in 8.0.27 (nonreserved)

H

- HANDLER
- HASH
- HAVING (R)
- HELP
- HIGH_PRIORITY (R)

- HISTOGRAM; added in 8.0.2 (nonreserved)
- HISTORY; added in 8.0.3 (nonreserved)
- HOST
- HOSTS
- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED
- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)
- INACTIVE; added in 8.0.14 (nonreserved)
- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL; added in 8.0.27 (nonreserved)
- INITIAL_SIZE
- INITIATE; added in 8.0.27 (nonreserved)
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD
- INSTALL
- INSTANCE
- INT (R)

- INT1 (R)
- INT2 (R)
- INT3 (R)
- INT4 (R)
- INT8 (R)
- INTEGER (R)
- INTERSECT (R); added in 8.0.31 (reserved)
- INTERVAL (R)
- INTO (R)
- INVISIBLE
- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD
- IPC
- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON
- JSON_TABLE (R); added in 8.0.4 (reserved)
- JSON_VALUE; added in 8.0.21 (nonreserved)

K

- KEY (R)
- KEYRING; added in 8.0.24 (nonreserved)
- KEYS (R)
- KEY_BLOCK_SIZE

- KILL (R)

L

- LAG (R); added in 8.0.2 (reserved)
- LANGUAGE
- LAST
- LAST_VALUE (R); added in 8.0.2 (reserved)
- LATERAL (R); added in 8.0.14 (reserved)
- LEAD (R); added in 8.0.2 (reserved)
- LEADING (R)
- LEAVE (R)
- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIKE (R)
- LIMIT (R)
- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)
- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKED; added in 8.0.1 (nonreserved)
- LOCKS
- LOGFILE
- LOGS
- LONG (R)

- LONGBLOB (R)
- LONGTEXT (R)
- LOOP (R)
- LOW_PRIORITY (R)

M

- MASTER
- MASTER_AUTO_POSITION
- MASTER_BIND (R)
- MASTER_COMPRESSION_ALGORITHMS; added in 8.0.18 (nonreserved)
- MASTER_CONNECT_RETRY
- MASTER_DELAY
- MASTER_HEARTBEAT_PERIOD
- MASTER_HOST
- MASTER_LOG_FILE
- MASTER_LOG_POS
- MASTER_PASSWORD
- MASTER_PORT
- MASTER_PUBLIC_KEY_PATH; added in 8.0.4 (nonreserved)
- MASTER_RETRY_COUNT
- MASTER_SERVER_ID; removed in 8.0.23
- MASTER_SSL
- MASTER_SSL_CA
- MASTER_SSL_CAPATH
- MASTER_SSL_CERT
- MASTER_SSL_CIPHER
- MASTER_SSL_CRL
- MASTER_SSL_CRLPATH
- MASTER_SSL_KEY
- MASTER_SSL_VERIFY_SERVER_CERT (R)
- MASTER_TLS_CIPHERSUITES; added in 8.0.19 (nonreserved)

- MASTER_TLS_VERSION
- MASTER_USER
- MASTER_ZSTD_COMPRESSION_LEVEL; added in 8.0.18 (nonreserved)
- MATCH (R)
- MAXVALUE (R)
- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE
- MAX_UPDATES_PER_HOUR
- MAX_USER_CONNECTIONS
- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMBER; added in 8.0.17 (reserved); became nonreserved in 8.0.19
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)
- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)
- MODIFY

- MONTH
- MULTILINESTRING
- MULTIPOINT
- MULTIPOLYGON
- MUTEX
- MYSQL_ERRNO

N

- NAME
- NAMES
- NATIONAL
- NATURAL (R)
- NCHAR
- NDB
- NDBCLUSTER
- NESTED; added in 8.0.4 (nonreserved)
- NETWORK_NAMESPACE; added in 8.0.16 (nonreserved)
- NEVER
- NEW
- NEXT
- NO
- NODEGROUP
- NONE
- NOT (R)
- NOWAIT; added in 8.0.1 (nonreserved)
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NTH_VALUE (R); added in 8.0.2 (reserved)
- NTILE (R); added in 8.0.2 (reserved)
- NULL (R)
- NULLS; added in 8.0.2 (nonreserved)

- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OF (R); added in 8.0.1 (reserved)
- OFF; added in 8.0.20 (nonreserved)
- OFFSET
- OJ; added in 8.0.16 (nonreserved)
- OLD; added in 8.0.14 (nonreserved)
- ON (R)
- ONE
- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R)
- OPTION (R)
- OPTIONAL; added in 8.0.13 (nonreserved)
- OPTIONALLY (R)
- OPTIONS
- OR (R)
- ORDER (R)
- ORDINALITY; added in 8.0.4 (nonreserved)
- ORGANIZATION; added in 8.0.4 (nonreserved)
- OTHERS; added in 8.0.2 (nonreserved)
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OVER (R); added in 8.0.2 (reserved)
- OWNER

P

- PACK_KEYS
- PAGE
- PARSER
- PARTIAL
- PARTITION (R)
- PARTITIONING
- PARTITIONS
- PASSWORD
- PASSWORD_LOCK_TIME; added in 8.0.19 (nonreserved)
- PATH; added in 8.0.4 (nonreserved)
- PERCENT_RANK (R); added in 8.0.2 (reserved)
- PERSIST; became nonreserved in 8.0.16
- PERSIST_ONLY; added in 8.0.2 (reserved); became nonreserved in 8.0.16
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON
- PORT
- PRECEDES
- PRECEDING; added in 8.0.2 (nonreserved)
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)
- PRIVILEGES
- PRIVILEGE_CHECKS_USER; added in 8.0.18 (nonreserved)
- PROCEDURE (R)

- PROCESS; added in 8.0.11 (nonreserved)
- PROCESSLIST
- PROFILE
- PROFILES
- PROXY
- PURGE (R)

Q

- QUARTER
- QUERY
- QUICK

R

- RANDOM; added in 8.0.18 (nonreserved)
- RANGE (R)
- RANK (R); added in 8.0.2 (reserved)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)
- REBUILD
- RECOVER
- RECURSIVE (R); added in 8.0.1 (reserved)
- REDOFILE; removed in 8.0.3
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCE; added in 8.0.4 (nonreserved)
- REFERENCES (R)
- REGEXP (R)
- REGISTRATION; added in 8.0.27 (nonreserved)
- RELAY

- RELAYLOG
- RELAY_LOG_FILE
- RELAY_LOG_POS
- RELAY_THREAD
- RELEASE (R)
- RELOAD
- REMOTE; added in 8.0.3 (nonreserved); removed in 8.0.14
- REMOVE
- RENAME (R)
- REORGANIZE
- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICA; added in 8.0.22 (nonreserved)
- REPLICAS; added in 8.0.22 (nonreserved)
- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB
- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- REPLICATION
- REQUIRE (R)
- REQUIRE_ROW_FORMAT; added in 8.0.19 (nonreserved)
- RESET
- RESIGNAL (R)
- RESOURCE; added in 8.0.3 (nonreserved)
- RESPECT; added in 8.0.2 (nonreserved)

- RESTART; added in 8.0.4 (nonreserved)
- RESTORE
- RESTRICT (R)
- RESUME
- RETAIN; added in 8.0.14 (nonreserved)
- RETURN (R)
- RETURNED_SQLSTATE
- RETURNING; added in 8.0.21 (nonreserved)
- RETURNS
- REUSE; added in 8.0.3 (nonreserved)
- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLE; became nonreserved in 8.0.1
- ROLLBACK
- ROLLUP
- ROTATE
- ROUTINE
- ROW (R); became reserved in 8.0.2
- ROWS (R); became reserved in 8.0.2
- ROW_COUNT
- ROW_FORMAT
- ROW_NUMBER (R); added in 8.0.2 (reserved)
- RTREE

S

- SAVEPOINT
- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)

- SCHEMA_NAME
- SECOND
- SECONDARY; added in 8.0.16 (nonreserved)
- SECONDARY_ENGINE; added in 8.0.13 (nonreserved)
- SECONDARY_ENGINE_ATTRIBUTE; added in 8.0.21 (nonreserved)
- SECONDARY_LOAD; added in 8.0.13 (nonreserved)
- SECONDARY_UNLOAD; added in 8.0.13 (nonreserved)
- SECOND_MICROSECOND (R)
- SECURITY
- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN
- SIGNAL (R)
- SIGNED
- SIMPLE
- SKIP; added in 8.0.1 (nonreserved)
- SLAVE
- SLOW
- SMALLINT (R)
- SNAPSHOT
- SOCKET
- SOME

- SONAME
- SOUNDS
- SOURCE
- SOURCE_AUTO_POSITION; added in 8.0.23 (nonreserved)
- SOURCE_BIND; added in 8.0.23 (nonreserved)
- SOURCE_COMPRESSION_ALGORITHMS; added in 8.0.23 (nonreserved)
- SOURCE_CONNECT_RETRY; added in 8.0.23 (nonreserved)
- SOURCE_DELAY; added in 8.0.23 (nonreserved)
- SOURCE_HEARTBEAT_PERIOD; added in 8.0.23 (nonreserved)
- SOURCE_HOST; added in 8.0.23 (nonreserved)
- SOURCE_LOG_FILE; added in 8.0.23 (nonreserved)
- SOURCE_LOG_POS; added in 8.0.23 (nonreserved)
- SOURCE_PASSWORD; added in 8.0.23 (nonreserved)
- SOURCE_PORT; added in 8.0.23 (nonreserved)
- SOURCE_PUBLIC_KEY_PATH; added in 8.0.23 (nonreserved)
- SOURCE_RETRY_COUNT; added in 8.0.23 (nonreserved)
- SOURCE_SSL; added in 8.0.23 (nonreserved)
- SOURCE_SSL_CA; added in 8.0.23 (nonreserved)
- SOURCE_SSL_CAPATH; added in 8.0.23 (nonreserved)
- SOURCE_SSL_CERT; added in 8.0.23 (nonreserved)
- SOURCE_SSL_CIPHER; added in 8.0.23 (nonreserved)
- SOURCE_SSL_CRL; added in 8.0.23 (nonreserved)
- SOURCE_SSL_CRLPATH; added in 8.0.23 (nonreserved)
- SOURCE_SSL_KEY; added in 8.0.23 (nonreserved)
- SOURCE_SSL_VERIFY_SERVER_CERT; added in 8.0.23 (nonreserved)
- SOURCE_TLS_CIPHERSUITES; added in 8.0.23 (nonreserved)
- SOURCE_TLS_VERSION; added in 8.0.23 (nonreserved)
- SOURCE_USER; added in 8.0.23 (nonreserved)
- SOURCE_ZSTD_COMPRESSION_LEVEL; added in 8.0.23 (nonreserved)
- SPATIAL (R)

- SPECIFIC (R)
- SQL (R)
- SQLEXCEPTION (R)
- SQLSTATE (R)
- SQLWARNING (R)
- SQL_AFTER_GTIDS
- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)
- SQL_BUFFER_RESULT
- SQL_CACHE; removed in 8.0.3
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER
- SQL_TSI_SECOND
- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SRID; added in 8.0.3 (nonreserved)
- SSL (R)
- STACKED
- START
- STARTING (R)
- STARTS
- STATS_AUTO_RECALC

- STATS_PERSISTENT
- STATS_SAMPLE_PAGES
- STATUS
- STOP
- STORAGE
- STORED (R)
- STRAIGHT_JOIN (R)
- STREAM; added in 8.0.20 (nonreserved)
- STRING
- SUBCLASS_ORIGIN
- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES
- SYSTEM (R); added in 8.0.3 (reserved)

T

- TABLE (R)
- TABLES
- TABLESPACE
- TABLE_CHECKSUM
- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)
- TEXT
- THAN
- THEN (R)

- THREAD_PRIORITY; added in 8.0.3 (nonreserved)
- TIES; added in 8.0.2 (nonreserved)
- TIME
- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF
- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)
- TLS; added in 8.0.21 (nonreserved)
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNBOUNDED; added in 8.0.2 (nonreserved)
- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE
- UNINSTALL
- UNION (R)
- UNIQUE (R)

- UNKNOWN
- UNLOCK (R)
- UNREGISTER; added in 8.0.27 (nonreserved)
- UNSIGNED (R)
- UNTIL
- UPDATE (R)
- UPGRADE
- URL; added in 8.0.32 (nonreserved)
- USAGE (R)
- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION
- VALUE
- VALUES (R)
- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VCPU; added in 8.0.3 (nonreserved)
- VIEW
- VIRTUAL (R)
- VISIBLE

W

- WAIT
- WARNINGS
- WEEK
- WEIGHT_STRING
- WHEN (R)
- WHERE (R)
- WHILE (R)
- WINDOW (R); added in 8.0.2 (reserved)
- WITH (R)
- WITHOUT
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)
- ZONE; added in 8.0.22 (nonreserved)

MySQL 8.0 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 8.0, compared to MySQL 5.7. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | R | S | T | U | V | W | Z

A

- ACTIVE
- ADMIN
- ARRAY
- ATTRIBUTE
- AUTHENTICATION

B

- BUCKETS
- BULK

C

- CHALLENGE_RESPONSE
- CLONE
- COMPONENT
- CUME_DIST (R)

D

- DEFINITION
- DENSE_RANK (R)
- DESCRIPTION

E

- EMPTY (R)
- ENFORCED
- ENGINE_ATTRIBUTE
- EXCEPT (R)
- EXCLUDE

F

- FACTOR
- FAILED_LOGIN_ATTEMPTS
- FINISH
- FIRST_VALUE (R)
- FOLLOWING

G

- GENERATE
- GEOMCOLLECTION
- GET_MASTER_PUBLIC_KEY
- GET_SOURCE_PUBLIC_KEY
- GROUPING (R)
- GROUPS (R)
- GTID_ONLY

H

- HISTOGRAM
- HISTORY

I

- INACTIVE
- INITIAL
- INITIATE
- INTERSECT (R)
- INVISIBLE

J

- JSON_TABLE (R)
- JSON_VALUE

K

- KEYRING

L

- LAG (R)
- LAST_VALUE (R)
- LATERAL (R)
- LEAD (R)
- LOCKED

M

- MASTER_COMPRESSION_ALGORITHMS
- MASTER_PUBLIC_KEY_PATH

- MASTER_TLS_CIPHERSUITES
- MASTER_ZSTD_COMPRESSION_LEVEL
- MEMBER

N

- NESTED
- NETWORK_NAMESPACE
- NOWAIT
- NTH_VALUE (R)
- NTILE (R)
- NULLS

O

- OF (R)
- OFF
- OJ
- OLD
- OPTIONAL
- ORDINALITY
- ORGANIZATION
- OTHERS
- OVER (R)

P

- PASSWORD_LOCK_TIME
- PATH
- PERCENT_RANK (R)
- PERSIST
- PERSIST_ONLY
- PRECEDING
- PRIVILEGE_CHECKS_USER
- PROCESS

R

- RANDOM
- RANK (R)
- RECURSIVE (R)
- REFERENCE
- REGISTRATION
- REPLICA
- REPLICAS
- REQUIRE_ROW_FORMAT
- RESOURCE
- RESPECT
- RESTART
- RETAIN
- RETURNING
- REUSE
- ROLE
- ROW_NUMBER (R)

S

- SECONDARY
- SECONDARY_ENGINE
- SECONDARY_ENGINE_ATTRIBUTE
- SECONDARY_LOAD
- SECONDARY_UNLOAD
- SKIP
- SOURCE_AUTO_POSITION
- SOURCE_BIND
- SOURCE_COMPRESSION_ALGORITHMS
- SOURCE_CONNECT_RETRY
- SOURCE_DELAY
- SOURCE_HEARTBEAT_PERIOD
- SOURCE_HOST

- SOURCE_LOG_FILE
- SOURCE_LOG_POS
- SOURCE_PASSWORD
- SOURCE_PORT
- SOURCE_PUBLIC_KEY_PATH
- SOURCE_RETRY_COUNT
- SOURCE_SSL
- SOURCE_SSL_CA
- SOURCE_SSL_CAPATH
- SOURCE_SSL_CERT
- SOURCE_SSL_CIPHER
- SOURCE_SSL_CRL
- SOURCE_SSL_CRLPATH
- SOURCE_SSL_KEY
- SOURCE_SSL_VERIFY_SERVER_CERT
- SOURCE_TLS_CIPHERSUITES
- SOURCE_TLS_VERSION
- SOURCE_USER
- SOURCE_ZSTD_COMPRESSION_LEVEL
- SRID
- STREAM
- SYSTEM (R)

T

- THREAD_PRIORITY
- TIES
- TLS

U

- UNBOUNDED
- UNREGISTER
- URL

V

- VCPU
- VISIBLE

W

- WINDOW (R)

Z

- ZONE

MySQL 8.0 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 8.0, compared to MySQL 5.7. Reserved keywords are marked with (R).

- ANALYSE
- DES_KEY_FILE
- MASTER_SERVER_ID
- PARSE_GCOL_EXPR
- REDOFILE
- SQL_CACHE

7.3 Keywords and Reserved Words in MySQL 8.1

This section provides information about keywords and reserved words in MySQL 8.1.

- MySQL 8.1 Keywords and Reserved Words
- MySQL 8.1 New Keywords and Reserved Words
- MySQL 8.1 Removed Keywords and Reserved Words

MySQL 8.1 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 8.1, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- ACCESSIBLE (R)
- ACCOUNT
- ACTION
- ACTIVE

- ADD (R)
- ADMIN
- AFTER
- AGAINST
- AGGREGATE
- ALGORITHM
- ALL (R)
- ALTER (R)
- ALWAYS
- ANALYZE (R)
- AND (R)
- ANY
- ARRAY
- AS (R)
- ASC (R)
- ASCII
- ASENSITIVE (R)
- AT
- ATTRIBUTE
- AUTHENTICATION
- AUTOEXTEND_SIZE
- AUTO_INCREMENT
- AVG
- AVG_ROW_LENGTH

B

- BACKUP
- BEFORE (R)
- BEGIN
- BETWEEN (R)
- BIGINT (R)

- BINARY (R)
- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN
- BOTH (R)
- BTREE
- BUCKETS
- BULK
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)
- CATALOG_NAME
- CHAIN
- CHALLENGE_RESPONSE
- CHANGE (R)
- CHANGED
- CHANNEL
- CHAR (R)
- CHARACTER (R)
- CHARSET
- CHECK (R)
- CHECKSUM

- CIPHER
- CLASS_ORIGIN
- CLIENT
- CLONE
- CLOSE
- COALESCE
- CODE
- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME
- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPONENT
- COMPRESSED
- COMPRESSION
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME
- CONSTRAINT_SCHEMA
- CONTAINS

- CONTEXT
- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE (R)
- CUME_DIST (R)
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)
- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)
- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE
- DEC (R)
- DECIMAL (R)

- DECLARE (R)
- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DEFINITION
- DELAYED (R)
- DELAY_KEY_WRITE
- DELETE (R)
- DENSE_RANK (R)
- DESC (R)
- DESCRIBE (R)
- DESCRIPTION
- DETERMINISTIC (R)
- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)
- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE
- DYNAMIC

E

- EACH (R)

- ELSE (R)
- ELSEIF (R)
- EMPTY (R)
- ENABLE
- ENCLOSED (R)
- ENCRYPTION
- END
- ENDS
- ENFORCED
- ENGINE
- ENGINES
- ENGINE_ATTRIBUTE
- ENUM
- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS
- EVERY
- EXCEPT (R)
- EXCHANGE
- EXCLUDE
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION
- EXPIRE
- EXPLAIN (R)
- EXPORT

- EXTENDED
- EXTENT_SIZE

F

- FACTOR
- FAILED_LOGIN_ATTEMPTS
- FALSE (R)
- FAST
- FAULTS
- FETCH (R)
- FIELDS
- FILE
- FILE_BLOCK_SIZE
- FILTER
- FINISH
- FIRST
- FIRST_VALUE (R)
- FIXED
- FLOAT (R)
- FLOAT4 (R)
- FLOAT8 (R)
- FLUSH
- FOLLOWING
- FOLLOWS
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT
- FOUND
- FROM (R)
- FULL

- FULLTEXT (R)
- FUNCTION (R)

G

- GENERAL
- GENERATE
- GENERATED (R)
- GEOMCOLLECTION
- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GET_MASTER_PUBLIC_KEY
- GET_SOURCE_PUBLIC_KEY
- GLOBAL
- GRANT (R)
- GRANTS
- GROUP (R)
- GROUPING (R)
- GROUPS (R)
- GROUP_REPLICATION
- GTID_ONLY

H

- HANDLER
- HASH
- HAVING (R)
- HELP
- HIGH_PRIORITY (R)
- HISTOGRAM
- HISTORY
- HOST

- HOSTS
- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED
- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)
- INACTIVE
- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL
- INITIAL_SIZE
- INITIATE
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD
- INSTALL
- INSTANCE
- INT (R)
- INT1 (R)
- INT2 (R)
- INT3 (R)

- INT4 (R)
- INT8 (R)
- INTEGER (R)
- INTERSECT (R)
- INTERVAL (R)
- INTO (R)
- INVISIBLE
- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD
- IPC
- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON
- JSON_TABLE (R)
- JSON_VALUE

K

- KEY (R)
- KEYRING
- KEYS (R)
- KEY_BLOCK_SIZE
- KILL (R)

L

- LAG (R)

- LANGUAGE
- LAST
- LAST_VALUE (R)
- LATERAL (R)
- LEAD (R)
- LEADING (R)
- LEAVE (R)
- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIKE (R)
- LIMIT (R)
- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)
- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKED
- LOCKS
- LOGFILE
- LOGS
- LONG (R)
- LONGBLOB (R)
- LONGTEXT (R)
- LOOP (R)

- LOW_PRIORITY (R)

M

- MASTER
- MASTER_AUTO_POSITION
- MASTER_BIND (R)
- MASTER_COMPRESSION_ALGORITHMS
- MASTER_CONNECT_RETRY
- MASTER_DELAY
- MASTER_HEARTBEAT_PERIOD
- MASTER_HOST
- MASTER_LOG_FILE
- MASTER_LOG_POS
- MASTER_PASSWORD
- MASTER_PORT
- MASTER_PUBLIC_KEY_PATH
- MASTER_RETRY_COUNT
- MASTER_SSL
- MASTER_SSL_CA
- MASTER_SSL_CAPATH
- MASTER_SSL_CERT
- MASTER_SSL_CIPHER
- MASTER_SSL_CRL
- MASTER_SSL_CRLPATH
- MASTER_SSL_KEY
- MASTER_SSL_VERIFY_SERVER_CERT (R)
- MASTER_TLS_CIPHERSUITES
- MASTER_TLS_VERSION
- MASTER_USER
- MASTER_ZSTD_COMPRESSION_LEVEL
- MATCH (R)

- MAXVALUE (R)
- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE
- MAX_UPDATES_PER_HOUR
- MAX_USER_CONNECTIONS
- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMBER
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)
- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)
- MODIFY
- MONTH
- MULTILINESTRING
- MULTIPOINT
- MULTIPOLYGON

- MUTEX
- MYSQL_ERRNO

N

- NAME
- NAMES
- NATIONAL
- NATURAL (R)
- NCHAR
- NDB
- NDBCLUSTER
- NESTED
- NETWORK_NAMESPACE
- NEVER
- NEW
- NEXT
- NO
- NODEGROUP
- NONE
- NOT (R)
- NOWAIT
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NTH_VALUE (R)
- NTILE (R)
- NULL (R)
- NULLS
- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OF (R)
- OFF
- OFFSET
- OJ
- OLD
- ON (R)
- ONE
- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R)
- OPTION (R)
- OPTIONAL
- OPTIONALLY (R)
- OPTIONS
- OR (R)
- ORDER (R)
- ORDINALITY
- ORGANIZATION
- OTHERS
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OVER (R)
- OWNER

P

- PACK_KEYS
- PAGE
- PARSER
- PARSE_TREE

- PARTIAL
- PARTITION (R)
- PARTITIONING
- PARTITIONS
- PASSWORD
- PASSWORD_LOCK_TIME
- PATH
- PERCENT_RANK (R)
- PERSIST
- PERSIST_ONLY
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON
- PORT
- PRECEDES
- PRECEDING
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)
- PRIVILEGES
- PRIVILEGE_CHECKS_USER
- PROCEDURE (R)
- PROCESS
- PROCESSLIST
- PROFILE

- PROFILES
- PROXY
- PURGE (R)

Q

- QUARTER
- QUERY
- QUICK

R

- RANDOM
- RANGE (R)
- RANK (R)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)
- REBUILD
- RECOVER
- RECURSIVE (R)
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCE
- REFERENCES (R)
- REGEXP (R)
- REGISTRATION
- RELAY
- RELAYLOG
- RELAY_LOG_FILE
- RELAY_LOG_POS
- RELAY_THREAD

- RELEASE (R)
- RELOAD
- REMOVE
- RENAME (R)
- REORGANIZE
- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICA
- REPLICAS
- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB
- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- REPLICATION
- REQUIRE (R)
- REQUIRE_ROW_FORMAT
- RESET
- RESIGNAL (R)
- RESOURCE
- RESPECT
- RESTART
- RESTORE
- RESTRICT (R)
- RESUME
- RETAIN

- RETURN (R)
- RETURNED_SQLSTATE
- RETURNING
- RETURNS
- REUSE
- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLE
- ROLLBACK
- ROLLUP
- ROTATE
- ROUTINE
- ROW (R)
- ROWS (R)
- ROW_COUNT
- ROW_FORMAT
- ROW_NUMBER (R)
- RTREE

S

- SAVEPOINT
- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)
- SCHEMA_NAME
- SECOND
- SECONDARY
- SECONDARY_ENGINE
- SECONDARY_ENGINE_ATTRIBUTE

- SECONDARY_LOAD
- SECONDARY_UNLOAD
- SECOND_MICROSECOND (R)
- SECURITY
- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN
- SIGNAL (R)
- SIGNED
- SIMPLE
- SKIP
- SLAVE
- SLOW
- SMALLINT (R)
- SNAPSHOT
- SOCKET
- SOME
- SONAME
- SOUNDS
- SOURCE
- SOURCE_AUTO_POSITION
- SOURCE_BIND

- SOURCE_COMPRESSION_ALGORITHMS
- SOURCE_CONNECT_RETRY
- SOURCE_DELAY
- SOURCE_HEARTBEAT_PERIOD
- SOURCE_HOST
- SOURCE_LOG_FILE
- SOURCE_LOG_POS
- SOURCE_PASSWORD
- SOURCE_PORT
- SOURCE_PUBLIC_KEY_PATH
- SOURCE_RETRY_COUNT
- SOURCE_SSL
- SOURCE_SSL_CA
- SOURCE_SSL_CAPATH
- SOURCE_SSL_CERT
- SOURCE_SSL_CIPHER
- SOURCE_SSL_CRL
- SOURCE_SSL_CRLPATH
- SOURCE_SSL_KEY
- SOURCE_SSL_VERIFY_SERVER_CERT
- SOURCE_TLS_CIPHERSUITES
- SOURCE_TLS_VERSION
- SOURCE_USER
- SOURCE_ZSTD_COMPRESSION_LEVEL
- SPATIAL (R)
- SPECIFIC (R)
- SQL (R)
- SQLEXCEPTION (R)
- SQLSTATE (R)
- SQLWARNING (R)

- SQL_AFTER_GTIDS
- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)
- SQL_BUFFER_RESULT
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER
- SQL_TSI_SECOND
- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SRID
- SSL (R)
- STACKED
- START
- STARTING (R)
- STARTS
- STATS_AUTO_RECALC
- STATS_PERSISTENT
- STATS_SAMPLE_PAGES
- STATUS
- STOP
- STORAGE
- STORED (R)

- STRAIGHT_JOIN (R)
- STREAM
- STRING
- SUBCLASS_ORIGIN
- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES
- SYSTEM (R)

T

- TABLE (R)
- TABLES
- TABLESPACE
- TABLE_CHECKSUM
- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)
- TEXT
- THAN
- THEN (R)
- THREAD_PRIORITY
- TIES
- TIME
- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF

- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)
- TLS
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNBOUNDED
- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE
- UNINSTALL
- UNION (R)
- UNIQUE (R)
- UNKNOWN
- UNLOCK (R)
- UNREGISTER
- UNSIGNED (R)
- UNTIL
- UPDATE (R)

- UPGRADE
- URL
- USAGE (R)
- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION
- VALUE
- VALUES (R)
- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VCPU
- VIEW
- VIRTUAL (R)
- VISIBLE

W

- WAIT
- WARNINGS
- WEEK
- WEIGHT_STRING
- WHEN (R)

- WHERE (R)
- WHILE (R)
- WINDOW (R)
- WITH (R)
- WITHOUT
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)
- ZONE

MySQL 8.1 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 8.1, compared to MySQL 8.0. Reserved keywords are marked with (R).

- PARSE_TREE

MySQL 8.1 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 8.1, compared to MySQL 8.0. Reserved keywords are marked with (R).

There are no keywords removed between MySQL 8.0-8.1.

7.4 Keywords and Reserved Words in MySQL 8.2

This section provides information about keywords and reserved words in MySQL 8.2.

- MySQL 8.2 Keywords and Reserved Words
- MySQL 8.2 New Keywords and Reserved Words
- MySQL 8.2 Removed Keywords and Reserved Words

MySQL 8.2 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 8.2, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- `ACCESSIBLE` (R)
- `ACCOUNT`
- `ACTION`
- `ACTIVE`
- `ADD` (R)
- `ADMIN`
- `AFTER`
- `AGAINST`
- `AGGREGATE`
- `ALGORITHM`
- `ALL` (R)
- `ALTER` (R)
- `ALWAYS`
- `ANALYZE` (R)
- `AND` (R)
- `ANY`
- `ARRAY`
- `AS` (R)
- `ASC` (R)
- `ASCII`
- `ASENSITIVE` (R)
- `AT`
- `ATTRIBUTE`

- AUTHENTICATION
- AUTOEXTEND_SIZE
- AUTO_INCREMENT
- AVG
- AVG_ROW_LENGTH

B

- BACKUP
- BEFORE (R)
- BEGIN
- BETWEEN (R)
- BIGINT (R)
- BINARY (R)
- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN
- BOTH (R)
- BTREE
- BUCKETS
- BULK
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)

- CATALOG_NAME
- CHAIN
- CHALLENGE_RESPONSE
- CHANGE (R)
- CHANGED
- CHANNEL
- CHAR (R)
- CHARACTER (R)
- CHARSET
- CHECK (R)
- CHECKSUM
- CIPHER
- CLASS_ORIGIN
- CLIENT
- CLONE
- CLOSE
- COALESCE
- CODE
- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME
- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPONENT

- COMPRESSED
- COMPRESSION
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME
- CONSTRAINT_SCHEMA
- CONTAINS
- CONTEXT
- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE (R)
- CUME_DIST (R)
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)
- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)

- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE
- DEC (R)
- DECIMAL (R)
- DECLARE (R)
- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DEFINITION
- DELAYED (R)
- DELAY_KEY_WRITE
- DELETE (R)
- DENSE_RANK (R)
- DESC (R)
- DESCRIBE (R)
- DESCRIPTION
- DETERMINISTIC (R)
- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)

- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE
- DYNAMIC

E

- EACH (R)
- ELSE (R)
- ELSEIF (R)
- EMPTY (R)
- ENABLE
- ENCLOSED (R)
- ENCRYPTION
- END
- ENDS
- ENFORCED
- ENGINE
- ENGINES
- ENGINE_ATTRIBUTE
- ENUM
- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS

- EVERY
- EXCEPT (R)
- EXCHANGE
- EXCLUDE
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION
- EXPIRE
- EXPLAIN (R)
- EXPORT
- EXTENDED
- EXTENT_SIZE

F

- FACTOR
- FAILED_LOGIN_ATTEMPTS
- FALSE (R)
- FAST
- FAULTS
- FETCH (R)
- FIELDS
- FILE
- FILE_BLOCK_SIZE
- FILTER
- FINISH
- FIRST
- FIRST_VALUE (R)
- FIXED
- FLOAT (R)
- FLOAT4 (R)

- FLOAT8 (R)
- FLUSH
- FOLLOWING
- FOLLOWS
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT
- FOUND
- FROM (R)
- FULL
- FULLTEXT (R)
- FUNCTION (R)

G

- GENERAL
- GENERATE
- GENERATED (R)
- GEOMCOLLECTION
- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GET_MASTER_PUBLIC_KEY
- GET_SOURCE_PUBLIC_KEY
- GLOBAL
- GRANT (R)
- GRANTS
- GROUP (R)
- GROUPING (R)
- GROUPS (R)

- GROUP_REPLICATION
- GTIDS
- GTID_ONLY

H

- HANDLER
- HASH
- HAVING (R)
- HELP
- HIGH_PRIORITY (R)
- HISTOGRAM
- HISTORY
- HOST
- HOSTS
- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED
- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)
- INACTIVE
- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL
- INITIAL_SIZE

- INITIATE
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD
- INSTALL
- INSTANCE
- INT (R)
- INT1 (R)
- INT2 (R)
- INT3 (R)
- INT4 (R)
- INT8 (R)
- INTEGER (R)
- INTERSECT (R)
- INTERVAL (R)
- INTO (R)
- INVISIBLE
- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD
- IPC
- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON
- JSON_TABLE (R)
- JSON_VALUE

K

- KEY (R)
- KEYRING
- KEYS (R)
- KEY_BLOCK_SIZE
- KILL (R)

L

- LAG (R)
- LANGUAGE
- LAST
- LAST_VALUE (R)
- LATERAL (R)
- LEAD (R)
- LEADING (R)
- LEAVE (R)
- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIKE (R)
- LIMIT (R)
- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)

- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKED
- LOCKS
- LOG
- LOGFILE
- LOGS
- LONG (R)
- LONGBLOB (R)
- LONGTEXT (R)
- LOOP (R)
- LOW_PRIORITY (R)

M

- MASTER
- MASTER_AUTO_POSITION
- MASTER_BIND (R)
- MASTER_COMPRESSION_ALGORITHMS
- MASTER_CONNECT_RETRY
- MASTER_DELAY
- MASTER_HEARTBEAT_PERIOD
- MASTER_HOST
- MASTER_LOG_FILE
- MASTER_LOG_POS
- MASTER_PASSWORD
- MASTER_PORT
- MASTER_PUBLIC_KEY_PATH
- MASTER_RETRY_COUNT
- MASTER_SSL

- MASTER_SSL_CA
- MASTER_SSL_CAPATH
- MASTER_SSL_CERT
- MASTER_SSL_CIPHER
- MASTER_SSL_CRL
- MASTER_SSL_CRLPATH
- MASTER_SSL_KEY
- MASTER_SSL_VERIFY_SERVER_CERT (R)
- MASTER_TLS_CIPHERSUITES
- MASTER_TLS_VERSION
- MASTER_USER
- MASTER_ZSTD_COMPRESSION_LEVEL
- MATCH (R)
- MAXVALUE (R)
- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE
- MAX_UPDATES_PER_HOUR
- MAX_USER_CONNECTIONS
- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMBER
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)

- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)
- MODIFY
- MONTH
- MULTILINESTRING
- MULTIPOINT
- MULTIPOLYGON
- MUTEX
- MYSQL_ERRNO

N

- NAME
- NAMES
- NATIONAL
- NATURAL (R)
- NCHAR
- NDB
- NDBCLUSTER
- NESTED
- NETWORK_NAMESPACE
- NEVER
- NEW
- NEXT
- NO
- NODEGROUP

- NONE
- NOT (R)
- NOWAIT
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NTH_VALUE (R)
- NTILE (R)
- NULL (R)
- NULLS
- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OF (R)
- OFF
- OFFSET
- OJ
- OLD
- ON (R)
- ONE
- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R)
- OPTION (R)
- OPTIONAL
- OPTIONALLY (R)
- OPTIONS
- OR (R)
- ORDER (R)

- ORDINALITY
- ORGANIZATION
- OTHERS
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OVER (R)
- OWNER

P

- PACK_KEYS
- PAGE
- PARALLEL (R)
- PARSER
- PARSE_TREE
- PARTIAL
- PARTITION (R)
- PARTITIONING
- PARTITIONS
- PASSWORD
- PASSWORD_LOCK_TIME
- PATH
- PERCENT_RANK (R)
- PERSIST
- PERSIST_ONLY
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON

- PORT
- PRECEDES
- PRECEDING
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)
- PRIVILEGES
- PRIVILEGE_CHECKS_USER
- PROCEDURE (R)
- PROCESS
- PROCESSLIST
- PROFILE
- PROFILES
- PROXY
- PURGE (R)

Q

- QUARTER
- QUERY
- QUICK

R

- RANDOM
- RANGE (R)
- RANK (R)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)

- REBUILD
- RECOVER
- RECURSIVE (R)
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCE
- REFERENCES (R)
- REGEXP (R)
- REGISTRATION
- RELAY
- RELAYLOG
- RELAY_LOG_FILE
- RELAY_LOG_POS
- RELAY_THREAD
- RELEASE (R)
- RELOAD
- REMOVE
- RENAME (R)
- REORGANIZE
- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICA
- REPLICAS
- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB

- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- REPLICATION
- REQUIRE (R)
- REQUIRE_ROW_FORMAT
- RESET
- RESIGNAL (R)
- RESOURCE
- RESPECT
- RESTART
- RESTORE
- RESTRICT (R)
- RESUME
- RETAIN
- RETURN (R)
- RETURNED_SQLSTATE
- RETURNING
- RETURNS
- REUSE
- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLE
- ROLLBACK
- ROLLUP
- ROTATE
- ROUTINE
- ROW (R)
- ROWS (R)

- ROW_COUNT
- ROW_FORMAT
- ROW_NUMBER (R)
- RTREE

S

- S3
- SAVEPOINT
- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)
- SCHEMA_NAME
- SECOND
- SECONDARY
- SECONDARY_ENGINE
- SECONDARY_ENGINE_ATTRIBUTE
- SECONDARY_LOAD
- SECONDARY_UNLOAD
- SECOND_MICROSECOND (R)
- SECURITY
- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN

- SIGNAL (R)
- SIGNED
- SIMPLE
- SKIP
- SLAVE
- SLOW
- SMALLINT (R)
- SNAPSHOT
- SOCKET
- SOME
- SONAME
- SOUNDS
- SOURCE
- SOURCE_AUTO_POSITION
- SOURCE_BIND
- SOURCE_COMPRESSION_ALGORITHMS
- SOURCE_CONNECT_RETRY
- SOURCE_DELAY
- SOURCE_HEARTBEAT_PERIOD
- SOURCE_HOST
- SOURCE_LOG_FILE
- SOURCE_LOG_POS
- SOURCE_PASSWORD
- SOURCE_PORT
- SOURCE_PUBLIC_KEY_PATH
- SOURCE_RETRY_COUNT
- SOURCE_SSL
- SOURCE_SSL_CA
- SOURCE_SSL_CAPATH
- SOURCE_SSL_CERT

- SOURCE_SSL_CIPHER
- SOURCE_SSL_CRL
- SOURCE_SSL_CRLPATH
- SOURCE_SSL_KEY
- SOURCE_SSL_VERIFY_SERVER_CERT
- SOURCE_TLS_CIPHERSUITES
- SOURCE_TLS_VERSION
- SOURCE_USER
- SOURCE_ZSTD_COMPRESSION_LEVEL
- SPATIAL (R)
- SPECIFIC (R)
- SQL (R)
- SQLEXCEPTION (R)
- SQLSTATE (R)
- SQLWARNING (R)
- SQL_AFTER_GTIDS
- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)
- SQL_BUFFER_RESULT
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER
- SQL_TSI_SECOND

- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SRID
- SSL (R)
- STACKED
- START
- STARTING (R)
- STARTS
- STATS_AUTO_RECALC
- STATS_PERSISTENT
- STATS_SAMPLE_PAGES
- STATUS
- STOP
- STORAGE
- STORED (R)
- STRAIGHT_JOIN (R)
- STREAM
- STRING
- SUBCLASS_ORIGIN
- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES
- SYSTEM (R)

T

- TABLE (R)
- TABLES

- TABLESPACE
- TABLE_CHECKSUM
- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)
- TEXT
- THAN
- THEN (R)
- THREAD_PRIORITY
- TIES
- TIME
- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF
- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)
- TLS
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNBOUNDED

- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE
- UNINSTALL
- UNION (R)
- UNIQUE (R)
- UNKNOWN
- UNLOCK (R)
- UNREGISTER
- UNSIGNED (R)
- UNTIL
- UPDATE (R)
- UPGRADE
- URL
- USAGE (R)
- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION
- VALUE
- VALUES (R)

- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VCPU
- VIEW
- VIRTUAL (R)
- VISIBLE

W

- WAIT
- WARNINGS
- WEEK
- WEIGHT_STRING
- WHEN (R)
- WHERE (R)
- WHILE (R)
- WINDOW (R)
- WITH (R)
- WITHOUT
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)
- ZONE

MySQL 8.2 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 8.2, compared to MySQL 8.1. Reserved keywords are marked with (R).

- GTIDS
- LOG
- PARALLEL (R)
- S3

MySQL 8.2 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 8.2, compared to MySQL 8.1. Reserved keywords are marked with (R).

There are no keywords removed between MySQL 8.1-8.2.

7.5 Keywords and Reserved Words in MySQL 8.3

This section provides information about keywords and reserved words in MySQL 8.3.

- MySQL 8.3 Keywords and Reserved Words
- MySQL 8.3 New Keywords and Reserved Words
- MySQL 8.3 Removed Keywords and Reserved Words

MySQL 8.3 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 8.3, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- ACCESSIBLE (R)
- ACCOUNT
- ACTION
- ACTIVE
- ADD (R)

- ADMIN
- AFTER
- AGAINST
- AGGREGATE
- ALGORITHM
- ALL (R)
- ALTER (R)
- ALWAYS
- ANALYZE (R)
- AND (R)
- ANY
- ARRAY
- AS (R)
- ASC (R)
- ASCII
- ASENSITIVE (R)
- AT
- ATTRIBUTE
- AUTHENTICATION
- AUTOEXTEND_SIZE
- AUTO_INCREMENT
- AVG
- AVG_ROW_LENGTH

B

- BACKUP
- BEFORE (R)
- BEGIN
- BETWEEN (R)
- BIGINT (R)
- BINARY (R)

- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN
- BOTH (R)
- BTREE
- BUCKETS
- BULK
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)
- CATALOG_NAME
- CHAIN
- CHALLENGE_RESPONSE
- CHANGE (R)
- CHANGED
- CHANNEL
- CHAR (R)
- CHARACTER (R)
- CHARSET
- CHECK (R)
- CHECKSUM
- CIPHER

- CLASS_ORIGIN
- CLIENT
- CLONE
- CLOSE
- COALESCE
- CODE
- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME
- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPONENT
- COMPRESSED
- COMPRESSION
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME
- CONSTRAINT_SCHEMA
- CONTAINS
- CONTEXT

- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE (R)
- CUME_DIST (R)
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)
- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)
- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE
- DEC (R)
- DECIMAL (R)
- DECLARE (R)

- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DEFINITION
- DELAYED (R)
- DELAY_KEY_WRITE
- DELETE (R)
- DENSE_RANK (R)
- DESC (R)
- DESCRIBE (R)
- DESCRIPTION
- DETERMINISTIC (R)
- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)
- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE
- DYNAMIC

E

- EACH (R)
- ELSE (R)

- ELSEIF (R)
- EMPTY (R)
- ENABLE
- ENCLOSED (R)
- ENCRYPTION
- END
- ENDS
- ENFORCED
- ENGINE
- ENGINES
- ENGINE_ATTRIBUTE
- ENUM
- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS
- EVERY
- EXCEPT (R)
- EXCHANGE
- EXCLUDE
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION
- EXPIRE
- EXPLAIN (R)
- EXPORT
- EXTENDED

- EXTENT_SIZE

F

- FACTOR
- FAILED_LOGIN_ATTEMPTS
- FALSE (R)
- FAST
- FAULTS
- FETCH (R)
- FIELDS
- FILE
- FILE_BLOCK_SIZE
- FILTER
- FINISH
- FIRST
- FIRST_VALUE (R)
- FIXED
- FLOAT (R)
- FLOAT4 (R)
- FLOAT8 (R)
- FLUSH
- FOLLOWING
- FOLLOWS
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT
- FOUND
- FROM (R)
- FULL
- FULLTEXT (R)

- FUNCTION (R)

G

- GENERAL
- GENERATE
- GENERATED (R)
- GEOMCOLLECTION
- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GET_MASTER_PUBLIC_KEY
- GET_SOURCE_PUBLIC_KEY
- GLOBAL
- GRANT (R)
- GRANTS
- GROUP (R)
- GROUPING (R)
- GROUPS (R)
- GROUP_REPLICATION
- GTIDS
- GTID_ONLY

H

- HANDLER
- HASH
- HAVING (R)
- HELP
- HIGH_PRIORITY (R)
- HISTOGRAM
- HISTORY
- HOST

- HOSTS
- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED
- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)
- INACTIVE
- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL
- INITIAL_SIZE
- INITIATE
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD
- INSTALL
- INSTANCE
- INT (R)
- INT1 (R)
- INT2 (R)
- INT3 (R)

- INT4 (R)
- INT8 (R)
- INTEGER (R)
- INTERSECT (R)
- INTERVAL (R)
- INTO (R)
- INVISIBLE
- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD
- IPC
- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON
- JSON_TABLE (R)
- JSON_VALUE

K

- KEY (R)
- KEYRING
- KEYS (R)
- KEY_BLOCK_SIZE
- KILL (R)

L

- LAG (R)

- LANGUAGE
- LAST
- LAST_VALUE (R)
- LATERAL (R)
- LEAD (R)
- LEADING (R)
- LEAVE (R)
- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIKE (R)
- LIMIT (R)
- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)
- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKED
- LOCKS
- LOG
- LOGFILE
- LOGS
- LONG (R)
- LONGBLOB (R)
- LONGTEXT (R)

- LOOP (R)
- LOW_PRIORITY (R)

M

- MASTER
- MASTER_AUTO_POSITION
- MASTER_BIND (R)
- MASTER_COMPRESSION_ALGORITHMS
- MASTER_CONNECT_RETRY
- MASTER_DELAY
- MASTER_HEARTBEAT_PERIOD
- MASTER_HOST
- MASTER_LOG_FILE
- MASTER_LOG_POS
- MASTER_PASSWORD
- MASTER_PORT
- MASTER_PUBLIC_KEY_PATH
- MASTER_RETRY_COUNT
- MASTER_SSL
- MASTER_SSL_CA
- MASTER_SSL_CAPATH
- MASTER_SSL_CERT
- MASTER_SSL_CIPHER
- MASTER_SSL_CRL
- MASTER_SSL_CRLPATH
- MASTER_SSL_KEY
- MASTER_SSL_VERIFY_SERVER_CERT (R)
- MASTER_TLS_CIPHERSUITES
- MASTER_TLS_VERSION
- MASTER_USER
- MASTER_ZSTD_COMPRESSION_LEVEL

- MATCH (R)
- MAXVALUE (R)
- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE
- MAX_UPDATES_PER_HOUR
- MAX_USER_CONNECTIONS
- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMBER
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)
- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)
- MODIFY
- MONTH
- MULTILINESTRING
- MULTIPOINT

- MULTIPOLYGON
- MUTEX
- MYSQL_ERRNO

N

- NAME
- NAMES
- NATIONAL
- NATURAL (R)
- NCHAR
- NDB
- NDBCLUSTER
- NESTED
- NETWORK_NAMESPACE
- NEVER
- NEW
- NEXT
- NO
- NODEGROUP
- NONE
- NOT (R)
- NOWAIT
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NTH_VALUE (R)
- NTILE (R)
- NULL (R)
- NULLS
- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OF (R)
- OFF
- OFFSET
- OJ
- OLD
- ON (R)
- ONE
- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R)
- OPTION (R)
- OPTIONAL
- OPTIONALLY (R)
- OPTIONS
- OR (R)
- ORDER (R)
- ORDINALITY
- ORGANIZATION
- OTHERS
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OVER (R)
- OWNER

P

- PACK_KEYS
- PAGE
- PARALLEL (R)

- PARSER
- PARSE_TREE
- PARTIAL
- PARTITION (R)
- PARTITIONING
- PARTITIONS
- PASSWORD
- PASSWORD_LOCK_TIME
- PATH
- PERCENT_RANK (R)
- PERSIST
- PERSIST_ONLY
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON
- PORT
- PRECEDES
- PRECEDING
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)
- PRIVILEGES
- PRIVILEGE_CHECKS_USER
- PROCEDURE (R)
- PROCESS

- PROCESSLIST
- PROFILE
- PROFILES
- PROXY
- PURGE (R)

Q

- QUALIFY (R)
- QUARTER
- QUERY
- QUICK

R

- RANDOM
- RANGE (R)
- RANK (R)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)
- REBUILD
- RECOVER
- RECURSIVE (R)
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCE
- REFERENCES (R)
- REGEXP (R)
- REGISTRATION
- RELAY
- RELAYLOG

- RELAY_LOG_FILE
- RELAY_LOG_POS
- RELAY_THREAD
- RELEASE (R)
- RELOAD
- REMOVE
- RENAME (R)
- REORGANIZE
- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICA
- REPLICAS
- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB
- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- REPLICATION
- REQUIRE (R)
- REQUIRE_ROW_FORMAT
- RESET
- RESIGNAL (R)
- RESOURCE
- RESPECT
- RESTART
- RESTORE

- RESTRICT (R)
- RESUME
- RETAIN
- RETURN (R)
- RETURNED_SQLSTATE
- RETURNING
- RETURNS
- REUSE
- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLE
- ROLLBACK
- ROLLUP
- ROTATE
- ROUTINE
- ROW (R)
- ROWS (R)
- ROW_COUNT
- ROW_FORMAT
- ROW_NUMBER (R)
- RTREE

S

- S3
- SAVEPOINT
- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)
- SCHEMA_NAME

- SECOND
- SECONDARY
- SECONDARY_ENGINE
- SECONDARY_ENGINE_ATTRIBUTE
- SECONDARY_LOAD
- SECONDARY_UNLOAD
- SECOND_MICROSECOND (R)
- SECURITY
- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN
- SIGNAL (R)
- SIGNED
- SIMPLE
- SKIP
- SLAVE
- SLOW
- SMALLINT (R)
- SNAPSHOT
- SOCKET
- SOME
- SONAME

- SOUNDS
- SOURCE
- SOURCE_AUTO_POSITION
- SOURCE_BIND
- SOURCE_COMPRESSION_ALGORITHMS
- SOURCE_CONNECT_RETRY
- SOURCE_DELAY
- SOURCE_HEARTBEAT_PERIOD
- SOURCE_HOST
- SOURCE_LOG_FILE
- SOURCE_LOG_POS
- SOURCE_PASSWORD
- SOURCE_PORT
- SOURCE_PUBLIC_KEY_PATH
- SOURCE_RETRY_COUNT
- SOURCE_SSL
- SOURCE_SSL_CA
- SOURCE_SSL_CAPATH
- SOURCE_SSL_CERT
- SOURCE_SSL_CIPHER
- SOURCE_SSL_CRL
- SOURCE_SSL_CRLPATH
- SOURCE_SSL_KEY
- SOURCE_SSL_VERIFY_SERVER_CERT
- SOURCE_TLS_CIPHERSUITES
- SOURCE_TLS_VERSION
- SOURCE_USER
- SOURCE_ZSTD_COMPRESSION_LEVEL
- SPATIAL (R)
- SPECIFIC (R)

- SQL (R)
- SQLEXCEPTION (R)
- SQLSTATE (R)
- SQLWARNING (R)
- SQL_AFTER_GTIDS
- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)
- SQL_BUFFER_RESULT
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER
- SQL_TSI_SECOND
- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SRID
- SSL (R)
- STACKED
- START
- STARTING (R)
- STARTS
- STATS_AUTO_RECALC
- STATS_PERSISTENT
- STATS_SAMPLE_PAGES

- STATUS
- STOP
- STORAGE
- STORED (R)
- STRAIGHT_JOIN (R)
- STREAM
- STRING
- SUBCLASS_ORIGIN
- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES
- SYSTEM (R)

T

- TABLE (R)
- TABLES
- TABLESPACE
- TABLE_CHECKSUM
- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)
- TEXT
- THAN
- THEN (R)
- THREAD_PRIORITY
- TIES

- TIME
- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF
- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)
- TLS
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNBOUNDED
- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE
- UNINSTALL
- UNION (R)
- UNIQUE (R)
- UNKNOWN
- UNLOCK (R)

- UNREGISTER
- UNSIGNED (R)
- UNTIL
- UPDATE (R)
- UPGRADE
- URL
- USAGE (R)
- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION
- VALUE
- VALUES (R)
- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VCPU
- VIEW
- VIRTUAL (R)
- VISIBLE

W

- WAIT

- WARNINGS
- WEEK
- WEIGHT_STRING
- WHEN (R)
- WHERE (R)
- WHILE (R)
- WINDOW (R)
- WITH (R)
- WITHOUT
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)
- ZONE

MySQL 8.3 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 8.3, compared to MySQL 8.2. Reserved keywords are marked with (R).

- QUALIFY (R)

MySQL 8.3 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 8.3, compared to MySQL 8.2. Reserved keywords are marked with (R).

There are no keywords removed between MySQL 8.2-8.3.

7.6 Keywords and Reserved Words in MySQL 8.4

This section provides information about keywords and reserved words in MySQL 8.4.

- MySQL 8.4 Keywords and Reserved Words
- MySQL 8.4 New Keywords and Reserved Words
- MySQL 8.4 Removed Keywords and Reserved Words

MySQL 8.4 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 8.4, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- `ACCESSIBLE` (R)
- `ACCOUNT`
- `ACTION`
- `ACTIVE`
- `ADD` (R)
- `ADMIN`
- `AFTER`
- `AGAINST`
- `AGGREGATE`
- `ALGORITHM`
- `ALL` (R)
- `ALTER` (R)
- `ALWAYS`
- `ANALYZE` (R)
- `AND` (R)
- `ANY`
- `ARRAY`
- `AS` (R)
- `ASC` (R)

- ASCII
- ASENSITIVE (R)
- AT
- ATTRIBUTE
- AUTHENTICATION
- AUTO
- AUTOEXTEND_SIZE
- AUTO_INCREMENT
- AVG
- AVG_ROW_LENGTH

B

- BACKUP
- BEFORE (R)
- BEGIN
- BERNOULLI
- BETWEEN (R)
- BIGINT (R)
- BINARY (R)
- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN
- BOTH (R)
- BTREE
- BUCKETS
- BULK
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)
- CATALOG_NAME
- CHAIN
- CHALLENGE_RESPONSE
- CHANGE (R)
- CHANGED
- CHANNEL
- CHAR (R)
- CHARACTER (R)
- CHARSET
- CHECK (R)
- CHECKSUM
- CIPHER
- CLASS_ORIGIN
- CLIENT
- CLONE
- CLOSE
- COALESCE
- CODE
- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME

- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPONENT
- COMPRESSED
- COMPRESSION
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME
- CONSTRAINT_SCHEMA
- CONTAINS
- CONTEXT
- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE (R)
- CUME_DIST (R)
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)

- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)
- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE
- DEC (R)
- DECIMAL (R)
- DECLARE (R)
- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DEFINITION
- DELAYED (R)
- DELAY_KEY_WRITE
- DELETE (R)
- DENSE_RANK (R)
- DESC (R)
- DESCRIBE (R)
- DESCRIPTION
- DETERMINISTIC (R)

- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)
- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE
- DYNAMIC

E

- EACH (R)
- ELSE (R)
- ELSEIF (R)
- EMPTY (R)
- ENABLE
- ENCLOSED (R)
- ENCRYPTION
- END
- ENDS
- ENFORCED
- ENGINE
- ENGINES
- ENGINE_ATTRIBUTE
- ENUM

- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS
- EVERY
- EXCEPT (R)
- EXCHANGE
- EXCLUDE
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION
- EXPIRE
- EXPLAIN (R)
- EXPORT
- EXTENDED
- EXTENT_SIZE

F

- FACTOR
- FAILED_LOGIN_ATTEMPTS
- FALSE (R)
- FAST
- FAULTS
- FETCH (R)
- FIELDS
- FILE
- FILE_BLOCK_SIZE
- FILTER

- FINISH
- FIRST
- FIRST_VALUE (R)
- FIXED
- FLOAT (R)
- FLOAT4 (R)
- FLOAT8 (R)
- FLUSH
- FOLLOWING
- FOLLOWS
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT
- FOUND
- FROM (R)
- FULL
- FULLTEXT (R)
- FUNCTION (R)

G

- GENERAL
- GENERATE
- GENERATED (R)
- GEOMCOLLECTION
- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GET_SOURCE_PUBLIC_KEY
- GLOBAL

- GRANT (R)
- GRANTS
- GROUP (R)
- GROUPING (R)
- GROUPS (R)
- GROUP_REPLICATION
- GTIDS
- GTID_ONLY

H

- HANDLER
- HASH
- HAVING (R)
- HELP
- HIGH_PRIORITY (R)
- HISTOGRAM
- HISTORY
- HOST
- HOSTS
- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED
- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)
- INACTIVE

- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL
- INITIAL_SIZE
- INITIATE
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD
- INSTALL
- INSTANCE
- INT (R)
- INT1 (R)
- INT2 (R)
- INT3 (R)
- INT4 (R)
- INT8 (R)
- INTEGER (R)
- INTERSECT (R)
- INTERVAL (R)
- INTO (R)
- INVISIBLE
- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD
- IPC

- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON
- JSON_TABLE (R)
- JSON_VALUE

K

- KEY (R)
- KEYRING
- KEYS (R)
- KEY_BLOCK_SIZE
- KILL (R)

L

- LAG (R)
- LANGUAGE
- LAST
- LAST_VALUE (R)
- LATERAL (R)
- LEAD (R)
- LEADING (R)
- LEAVE (R)
- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIKE (R)
- LIMIT (R)

- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)
- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKED
- LOCKS
- LOG
- LOGFILE
- LOGS
- LONG (R)
- LONGBLOB (R)
- LONGTEXT (R)
- LOOP (R)
- LOW_PRIORITY (R)

M

- MANUAL (R)
- MASTER
- MATCH (R)
- MAXVALUE (R)
- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE
- MAX_UPDATES_PER_HOUR
- MAX_USER_CONNECTIONS

- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMBER
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)
- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)
- MODIFY
- MONTH
- MULTILINESTRING
- MULTIPOINT
- MULTIPOLYGON
- MUTEX
- MYSQL_ERRNO

N

- NAME
- NAMES
- NATIONAL
- NATURAL (R)

- NCHAR
- NDB
- NDBCLUSTER
- NESTED
- NETWORK_NAMESPACE
- NEVER
- NEW
- NEXT
- NO
- NODEGROUP
- NONE
- NOT (R)
- NOWAIT
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NTH_VALUE (R)
- NTILE (R)
- NULL (R)
- NULLS
- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OF (R)
- OFF
- OFFSET
- OJ
- OLD
- ON (R)
- ONE

- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R)
- OPTION (R)
- OPTIONAL
- OPTIONALLY (R)
- OPTIONS
- OR (R)
- ORDER (R)
- ORDINALITY
- ORGANIZATION
- OTHERS
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OVER (R)
- OWNER

P

- PACK_KEYS
- PAGE
- PARALLEL (R)
- PARSER
- PARSE_TREE
- PARTIAL
- PARTITION (R)
- PARTITIONING
- PARTITIONS
- PASSWORD
- PASSWORD_LOCK_TIME

- PATH
- PERCENT_RANK (R)
- PERSIST
- PERSIST_ONLY
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON
- PORT
- PRECEDES
- PRECEDING
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)
- PRIVILEGES
- PRIVILEGE_CHECKS_USER
- PROCEDURE (R)
- PROCESS
- PROCESSLIST
- PROFILE
- PROFILES
- PROXY
- PURGE (R)

Q

- QUALIFY (R)
- QUARTER

- QUERY
- QUICK

R

- RANDOM
- RANGE (R)
- RANK (R)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)
- REBUILD
- RECOVER
- RECURSIVE (R)
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCE
- REFERENCES (R)
- REGEXP (R)
- REGISTRATION
- RELAY
- RELAYLOG
- RELAY_LOG_FILE
- RELAY_LOG_POS
- RELAY_THREAD
- RELEASE (R)
- RELOAD
- REMOVE
- RENAME (R)
- REORGANIZE

- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICA
- REPLICAS
- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB
- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- REPLICATION
- REQUIRE (R)
- REQUIRE_ROW_FORMAT
- RESET
- RESIGNAL (R)
- RESOURCE
- RESPECT
- RESTART
- RESTORE
- RESTRICT (R)
- RESUME
- RETAIN
- RETURN (R)
- RETURNED_SQLSTATE
- RETURNING
- RETURNS
- REUSE

- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLE
- ROLLBACK
- ROLLUP
- ROTATE
- ROUTINE
- ROW (R)
- ROWS (R)
- ROW_COUNT
- ROW_FORMAT
- ROW_NUMBER (R)
- RTREE

S

- S3
- SAVEPOINT
- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)
- SCHEMA_NAME
- SECOND
- SECONDARY
- SECONDARY_ENGINE
- SECONDARY_ENGINE_ATTRIBUTE
- SECONDARY_LOAD
- SECONDARY_UNLOAD
- SECOND_MICROSECOND (R)
- SECURITY

- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN
- SIGNAL (R)
- SIGNED
- SIMPLE
- SKIP
- SLAVE
- SLOW
- SMALLINT (R)
- SNAPSHOT
- SOCKET
- SOME
- SONAME
- SOUNDS
- SOURCE
- SOURCE_AUTO_POSITION
- SOURCE_BIND
- SOURCE_COMPRESSION_ALGORITHMS
- SOURCE_CONNECT_RETRY
- SOURCE_DELAY
- SOURCE_HEARTBEAT_PERIOD

- SOURCE_HOST
- SOURCE_LOG_FILE
- SOURCE_LOG_POS
- SOURCE_PASSWORD
- SOURCE_PORT
- SOURCE_PUBLIC_KEY_PATH
- SOURCE_RETRY_COUNT
- SOURCE_SSL
- SOURCE_SSL_CA
- SOURCE_SSL_CAPATH
- SOURCE_SSL_CERT
- SOURCE_SSL_CIPHER
- SOURCE_SSL_CRL
- SOURCE_SSL_CRLPATH
- SOURCE_SSL_KEY
- SOURCE_SSL_VERIFY_SERVER_CERT
- SOURCE_TLS_CIPHERSUITES
- SOURCE_TLS_VERSION
- SOURCE_USER
- SOURCE_ZSTD_COMPRESSION_LEVEL
- SPATIAL (R)
- SPECIFIC (R)
- SQL (R)
- SQLEXCEPTION (R)
- SQLSTATE (R)
- SQLWARNING (R)
- SQL_AFTER_GTIDS
- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)

- SQL_BUFFER_RESULT
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER
- SQL_TSI_SECOND
- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SRID
- SSL (R)
- STACKED
- START
- STARTING (R)
- STARTS
- STATS_AUTO_RECALC
- STATS_PERSISTENT
- STATS_SAMPLE_PAGES
- STATUS
- STOP
- STORAGE
- STORED (R)
- STRAIGHT_JOIN (R)
- STREAM
- STRING
- SUBCLASS_ORIGIN

- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES
- SYSTEM (R)

T

- TABLE (R)
- TABLES
- TABLESAMPLE (R)
- TABLESPACE
- TABLE_CHECKSUM
- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)
- TEXT
- THAN
- THEN (R)
- THREAD_PRIORITY
- TIES
- TIME
- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF
- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)

- TLS
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNBOUNDED
- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE
- UNINSTALL
- UNION (R)
- UNIQUE (R)
- UNKNOWN
- UNLOCK (R)
- UNREGISTER
- UNSIGNED (R)
- UNTIL
- UPDATE (R)
- UPGRADE
- URL
- USAGE (R)

- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION
- VALUE
- VALUES (R)
- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VCPU
- VIEW
- VIRTUAL (R)
- VISIBLE

W

- WAIT
- WARNINGS
- WEEK
- WEIGHT_STRING
- WHEN (R)
- WHERE (R)
- WHILE (R)
- WINDOW (R)

- WITH (R)
- WITHOUT
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)
- ZONE

MySQL 8.4 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 8.4, compared to MySQL 8.0. Reserved keywords are marked with (R).

A | B | G | L | M | P | Q | S | T

A

- AUTO

B

- BERNOULLI

G

- GTIDS

L

- LOG

M

- MANUAL (R)

P

- PARALLEL (R)
- PARSE_TREE

Q

- QUALIFY (R)

S

- S3

T

- TABLESAMPLE (R)

MySQL 8.4 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 8.4, compared to MySQL 8.0. Reserved keywords are marked with (R).

G | M

G

- GET_MASTER_PUBLIC_KEY

M

- MASTER_AUTO_POSITION
- MASTER_BIND (R)
- MASTER_COMPRESSION_ALGORITHMS
- MASTER_CONNECT_RETRY
- MASTER_DELAY
- MASTER_HEARTBEAT_PERIOD
- MASTER_HOST
- MASTER_LOG_FILE
- MASTER_LOG_POS
- MASTER_PASSWORD
- MASTER_PORT
- MASTER_PUBLIC_KEY_PATH
- MASTER_RETRY_COUNT

- MASTER_SSL
- MASTER_SSL_CA
- MASTER_SSL_CAPATH
- MASTER_SSL_CERT
- MASTER_SSL_CIPHER
- MASTER_SSL_CRL
- MASTER_SSL_CRLPATH
- MASTER_SSL_KEY
- MASTER_SSL_VERIFY_SERVER_CERT (R)
- MASTER_TLS_CIPHERSUITES
- MASTER_TLS_VERSION
- MASTER_USER
- MASTER_ZSTD_COMPRESSION_LEVEL

7.7 Keywords and Reserved Words in MySQL 9.0

This section provides information about keywords and reserved words in MySQL 9.0.

- MySQL 9.0 Keywords and Reserved Words
- MySQL 9.0 New Keywords and Reserved Words
- MySQL 9.0 Removed Keywords and Reserved Words

MySQL 9.0 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 9.0, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- ACCESSIBLE (R)
- ACCOUNT
- ACTION
- ACTIVE
- ADD (R)
- ADMIN
- AFTER

- AGAINST
- AGGREGATE
- ALGORITHM
- ALL (R)
- ALTER (R)
- ALWAYS
- ANALYZE (R)
- AND (R)
- ANY
- ARRAY
- AS (R)
- ASC (R)
- ASCII
- ASENSITIVE (R)
- AT
- ATTRIBUTE
- AUTHENTICATION
- AUTO
- AUTOEXTEND_SIZE
- AUTO_INCREMENT
- AVG
- AVG_ROW_LENGTH

B

- BACKUP
- BEFORE (R)
- BEGIN
- BERNOULLI
- BETWEEN (R)
- BIGINT (R)
- BINARY (R)

- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN
- BOTH (R)
- BTREE
- BUCKETS
- BULK
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)
- CATALOG_NAME
- CHAIN
- CHALLENGE_RESPONSE
- CHANGE (R)
- CHANGED
- CHANNEL
- CHAR (R)
- CHARACTER (R)
- CHARSET
- CHECK (R)
- CHECKSUM
- CIPHER

- CLASS_ORIGIN
- CLIENT
- CLONE
- CLOSE
- COALESCE
- CODE
- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME
- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPONENT
- COMPRESSED
- COMPRESSION
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME
- CONSTRAINT_SCHEMA
- CONTAINS
- CONTEXT

- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE (R)
- CUME_DIST (R)
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)
- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)
- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE
- DEC (R)
- DECIMAL (R)
- DECLARE (R)

- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DEFINITION
- DELAYED (R)
- DELAY_KEY_WRITE
- DELETE (R)
- DENSE_RANK (R)
- DESC (R)
- DESCRIBE (R)
- DESCRIPTION
- DETERMINISTIC (R)
- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)
- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE
- DYNAMIC

E

- EACH (R)
- ELSE (R)

- ELSEIF (R)
- EMPTY (R)
- ENABLE
- ENCLOSED (R)
- ENCRYPTION
- END
- ENDS
- ENFORCED
- ENGINE
- ENGINES
- ENGINE_ATTRIBUTE
- ENUM
- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS
- EVERY
- EXCEPT (R)
- EXCHANGE
- EXCLUDE
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION
- EXPIRE
- EXPLAIN (R)
- EXPORT
- EXTENDED

- EXTENT_SIZE

F

- FACTOR
- FAILED_LOGIN_ATTEMPTS
- FALSE (R)
- FAST
- FAULTS
- FETCH (R)
- FIELDS
- FILE
- FILE_BLOCK_SIZE
- FILTER
- FINISH
- FIRST
- FIRST_VALUE (R)
- FIXED
- FLOAT (R)
- FLOAT4 (R)
- FLOAT8 (R)
- FLUSH
- FOLLOWING
- FOLLOWS
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT
- FOUND
- FROM (R)
- FULL
- FULLTEXT (R)

- FUNCTION (R)

G

- GENERAL
- GENERATE
- GENERATED (R)
- GEOMCOLLECTION
- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GET_SOURCE_PUBLIC_KEY
- GLOBAL
- GRANT (R)
- GRANTS
- GROUP (R)
- GROUPING (R)
- GROUPS (R)
- GROUP_REPLICATION
- GTIDS
- GTID_ONLY

H

- HANDLER
- HASH
- HAVING (R)
- HELP
- HIGH_PRIORITY (R)
- HISTOGRAM
- HISTORY
- HOST
- HOSTS

- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED
- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)
- INACTIVE
- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL
- INITIAL_SIZE
- INITIATE
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD
- INSTALL
- INSTANCE
- INT (R)
- INT1 (R)
- INT2 (R)
- INT3 (R)
- INT4 (R)

- INT8 (R)
- INTEGER (R)
- INTERSECT (R)
- INTERVAL (R)
- INTO (R)
- INVISIBLE
- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD
- IPC
- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON
- JSON_TABLE (R)
- JSON_VALUE

K

- KEY (R)
- KEYRING
- KEYS (R)
- KEY_BLOCK_SIZE
- KILL (R)

L

- LAG (R)
- LANGUAGE

- LAST
- LAST_VALUE (R)
- LATERAL (R)
- LEAD (R)
- LEADING (R)
- LEAVE (R)
- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIKE (R)
- LIMIT (R)
- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)
- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKED
- LOCKS
- LOG
- LOGFILE
- LOGS
- LONG (R)
- LONGBLOB (R)
- LONGTEXT (R)
- LOOP (R)

- LOW_PRIORITY (R)

M

- MANUAL (R)
- MASTER
- MATCH (R)
- MAXVALUE (R)
- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE
- MAX_UPDATES_PER_HOUR
- MAX_USER_CONNECTIONS
- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMBER
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)
- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)

- MODIFY
- MONTH
- MULTILINESTRING
- MULTIPOINT
- MULTIPOLYGON
- MUTEX
- MYSQL_ERRNO

N

- NAME
- NAMES
- NATIONAL
- NATURAL (R)
- NCHAR
- NDB
- NDBCLUSTER
- NESTED
- NETWORK_NAMESPACE
- NEVER
- NEW
- NEXT
- NO
- NODEGROUP
- NONE
- NOT (R)
- NOWAIT
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NTH_VALUE (R)
- NTILE (R)
- NULL (R)

- NULLS
- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OF (R)
- OFF
- OFFSET
- OJ
- OLD
- ON (R)
- ONE
- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R)
- OPTION (R)
- OPTIONAL
- OPTIONALLY (R)
- OPTIONS
- OR (R)
- ORDER (R)
- ORDINALITY
- ORGANIZATION
- OTHERS
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OVER (R)
- OWNER

P

- PACK_KEYS
- PAGE
- PARALLEL (R)
- PARSER
- PARSE_TREE
- PARTIAL
- PARTITION (R)
- PARTITIONING
- PARTITIONS
- PASSWORD
- PASSWORD_LOCK_TIME
- PATH
- PERCENT_RANK (R)
- PERSIST
- PERSIST_ONLY
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON
- PORT
- PRECEDES
- PRECEDING
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)

- PRIVILEGES
- PRIVILEGE_CHECKS_USER
- PROCEDURE (R)
- PROCESS
- PROCESSLIST
- PROFILE
- PROFILES
- PROXY
- PURGE (R)

Q

- QUALIFY (R)
- QUARTER
- QUERY
- QUICK

R

- RANDOM
- RANGE (R)
- RANK (R)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)
- REBUILD
- RECOVER
- RECURSIVE (R)
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCE
- REFERENCES (R)

- REGEXP (R)
- REGISTRATION
- RELAY
- RELAYLOG
- RELAY_LOG_FILE
- RELAY_LOG_POS
- RELAY_THREAD
- RELEASE (R)
- RELOAD
- REMOVE
- RENAME (R)
- REORGANIZE
- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICA
- REPLICAS
- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB
- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- REPLICATION
- REQUIRE (R)
- REQUIRE_ROW_FORMAT
- RESET
- RESIGNAL (R)

- RESOURCE
- RESPECT
- RESTART
- RESTORE
- RESTRICT (R)
- RESUME
- RETAIN
- RETURN (R)
- RETURNED_SQLSTATE
- RETURNING
- RETURNS
- REUSE
- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLE
- ROLLBACK
- ROLLUP
- ROTATE
- ROUTINE
- ROW (R)
- ROWS (R)
- ROW_COUNT
- ROW_FORMAT
- ROW_NUMBER (R)
- RTREE

S

- S3
- SAVEPOINT

- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)
- SCHEMA_NAME
- SECOND
- SECONDARY
- SECONDARY_ENGINE
- SECONDARY_ENGINE_ATTRIBUTE
- SECONDARY_LOAD
- SECONDARY_UNLOAD
- SECOND_MICROSECOND (R)
- SECURITY
- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN
- SIGNAL (R)
- SIGNED
- SIMPLE
- SKIP
- SLAVE
- SLOW
- SMALLINT (R)

- SNAPSHOT
- SOCKET
- SOME
- SONAME
- SOUNDS
- SOURCE
- SOURCE_AUTO_POSITION
- SOURCE_BIND
- SOURCE_COMPRESSION_ALGORITHMS
- SOURCE_CONNECT_RETRY
- SOURCE_DELAY
- SOURCE_HEARTBEAT_PERIOD
- SOURCE_HOST
- SOURCE_LOG_FILE
- SOURCE_LOG_POS
- SOURCE_PASSWORD
- SOURCE_PORT
- SOURCE_PUBLIC_KEY_PATH
- SOURCE_RETRY_COUNT
- SOURCE_SSL
- SOURCE_SSL_CA
- SOURCE_SSL_CAPATH
- SOURCE_SSL_CERT
- SOURCE_SSL_CIPHER
- SOURCE_SSL_CRL
- SOURCE_SSL_CRLPATH
- SOURCE_SSL_KEY
- SOURCE_SSL_VERIFY_SERVER_CERT
- SOURCE_TLS_CIPHERSUITES
- SOURCE_TLS_VERSION

- SOURCE_USER
- SOURCE_ZSTD_COMPRESSION_LEVEL
- SPATIAL (R)
- SPECIFIC (R)
- SQL (R)
- SQLEXCEPTION (R)
- SQLSTATE (R)
- SQLWARNING (R)
- SQL_AFTER_GTIDS
- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)
- SQL_BUFFER_RESULT
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER
- SQL_TSI_SECOND
- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SRID
- SSL (R)
- STACKED
- START
- STARTING (R)

- STARTS
- STATS_AUTO_RECALC
- STATS_PERSISTENT
- STATS_SAMPLE_PAGES
- STATUS
- STOP
- STORAGE
- STORED (R)
- STRAIGHT_JOIN (R)
- STREAM
- STRING
- SUBCLASS_ORIGIN
- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES
- SYSTEM (R)

T

- TABLE (R)
- TABLES
- TABLESAMPLE (R)
- TABLESPACE
- TABLE_CHECKSUM
- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)

- TEXT
- THAN
- THEN (R)
- THREAD_PRIORITY
- TIES
- TIME
- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF
- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)
- TLS
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNBOUNDED
- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE

- UNINSTALL
- UNION (R)
- UNIQUE (R)
- UNKNOWN
- UNLOCK (R)
- UNREGISTER
- UNSIGNED (R)
- UNTIL
- UPDATE (R)
- UPGRADE
- URL
- USAGE (R)
- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION
- VALUE
- VALUES (R)
- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VCPU

- VECTOR
- VIEW
- VIRTUAL (R)
- VISIBLE

W

- WAIT
- WARNINGS
- WEEK
- WEIGHT_STRING
- WHEN (R)
- WHERE (R)
- WHILE (R)
- WINDOW (R)
- WITH (R)
- WITHOUT
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)
- ZONE

MySQL 9.0 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 9.0, compared to MySQL 8.4. Reserved keywords are marked with (R).

- VECTOR

MySQL 9.0 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 9.0, compared to MySQL 8.4. Reserved keywords are marked with (R).

There are no keywords removed between MySQL 8.4-9.0.

7.8 Keywords and Reserved Words in MySQL 9.1

This section provides information about keywords and reserved words in MySQL 9.1.

- MySQL 9.1 Keywords and Reserved Words
- MySQL 9.1 New Keywords and Reserved Words
- MySQL 9.1 Removed Keywords and Reserved Words

MySQL 9.1 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 9.1, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- ACCESSIBLE (R)
- ACCOUNT
- ACTION
- ACTIVE
- ADD (R)
- ADMIN
- AFTER
- AGAINST
- AGGREGATE
- ALGORITHM
- ALL (R)
- ALTER (R)
- ALWAYS

- ANALYZE (R)
- AND (R)
- ANY
- ARRAY
- AS (R)
- ASC (R)
- ASCII
- ASENSITIVE (R)
- AT
- ATTRIBUTE
- AUTHENTICATION
- AUTO
- AUTOEXTEND_SIZE
- AUTO_INCREMENT
- AVG
- AVG_ROW_LENGTH

B

- BACKUP
- BEFORE (R)
- BEGIN
- BERNOULLI
- BETWEEN (R)
- BIGINT (R)
- BINARY (R)
- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN

- BOTH (R)
- BTREE
- BUCKETS
- BULK
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)
- CATALOG_NAME
- CHAIN
- CHALLENGE_RESPONSE
- CHANGE (R)
- CHANGED
- CHANNEL
- CHAR (R)
- CHARACTER (R)
- CHARSET
- CHECK (R)
- CHECKSUM
- CIPHER
- CLASS_ORIGIN
- CLIENT
- CLONE
- CLOSE
- COALESCE
- CODE

- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME
- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPONENT
- COMPRESSED
- COMPRESSION
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME
- CONSTRAINT_SCHEMA
- CONTAINS
- CONTEXT
- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE (R)

- CUME_DIST (R)
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)
- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)
- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE
- DEC (R)
- DECIMAL (R)
- DECLARE (R)
- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DEFINITION
- DELAYED (R)
- DELAY_KEY_WRITE

- DELETE (R)
- DENSE_RANK (R)
- DESC (R)
- DESCRIBE (R)
- DESCRIPTION
- DETERMINISTIC (R)
- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)
- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE
- DYNAMIC

E

- EACH (R)
- ELSE (R)
- ELSEIF (R)
- EMPTY (R)
- ENABLE
- ENCLOSED (R)
- ENCRYPTION
- END

- ENDS
- ENFORCED
- ENGINE
- ENGINES
- ENGINE_ATTRIBUTE
- ENUM
- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS
- EVERY
- EXCEPT (R)
- EXCHANGE
- EXCLUDE
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION
- EXPIRE
- EXPLAIN (R)
- EXPORT
- EXTENDED
- EXTENT_SIZE

F

- FACTOR
- FAILED_LOGIN_ATTEMPTS
- FALSE (R)
- FAST

- FAULTS
- FETCH (R)
- FIELDS
- FILE
- FILE_BLOCK_SIZE
- FILTER
- FINISH
- FIRST
- FIRST_VALUE (R)
- FIXED
- FLOAT (R)
- FLOAT4 (R)
- FLOAT8 (R)
- FLUSH
- FOLLOWING
- FOLLOWS
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT
- FOUND
- FROM (R)
- FULL
- FULLTEXT (R)
- FUNCTION (R)

G

- GENERAL
- GENERATE
- GENERATED (R)
- GEOMCOLLECTION

- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GET_SOURCE_PUBLIC_KEY
- GLOBAL
- GRANT (R)
- GRANTS
- GROUP (R)
- GROUPING (R)
- GROUPS (R)
- GROUP_REPLICATION
- GTIDS
- GTID_ONLY

H

- HANDLER
- HASH
- HAVING (R)
- HELP
- HIGH_PRIORITY (R)
- HISTOGRAM
- HISTORY
- HOST
- HOSTS
- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED

- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)
- INACTIVE
- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL
- INITIAL_SIZE
- INITIATE
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD
- INSTALL
- INSTANCE
- INT (R)
- INT1 (R)
- INT2 (R)
- INT3 (R)
- INT4 (R)
- INT8 (R)
- INTEGER (R)
- INTERSECT (R)
- INTERVAL (R)
- INTO (R)
- INVISIBLE

- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD
- IPC
- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON
- JSON_TABLE (R)
- JSON_VALUE

K

- KEY (R)
- KEYRING
- KEYS (R)
- KEY_BLOCK_SIZE
- KILL (R)

L

- LAG (R)
- LANGUAGE
- LAST
- LAST_VALUE (R)
- LATERAL (R)
- LEAD (R)
- LEADING (R)
- LEAVE (R)

- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIKE (R)
- LIMIT (R)
- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)
- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKED
- LOCKS
- LOG
- LOGFILE
- LOGS
- LONG (R)
- LONGBLOB (R)
- LONGTEXT (R)
- LOOP (R)
- LOW_PRIORITY (R)

M

- MANUAL (R)
- MASTER
- MATCH (R)
- MAXVALUE (R)

- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE
- MAX_UPDATES_PER_HOUR
- MAX_USER_CONNECTIONS
- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMBER
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)
- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)
- MODIFY
- MONTH
- MULTILINESTRING
- MULTIPOINT
- MULTIPOLYGON
- MUTEX

- MYSQL_ERRNO

N

- NAME
- NAMES
- NATIONAL
- NATURAL (R)
- NCHAR
- NDB
- NDBCLUSTER
- NESTED
- NETWORK_NAMESPACE
- NEVER
- NEW
- NEXT
- NO
- NODEGROUP
- NONE
- NOT (R)
- NOWAIT
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NTH_VALUE (R)
- NTILE (R)
- NULL (R)
- NULLS
- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OF (R)

- OFF
- OFFSET
- OJ
- OLD
- ON (R)
- ONE
- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R)
- OPTION (R)
- OPTIONAL
- OPTIONALLY (R)
- OPTIONS
- OR (R)
- ORDER (R)
- ORDINALITY
- ORGANIZATION
- OTHERS
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OVER (R)
- OWNER

P

- PACK_KEYS
- PAGE
- PARALLEL (R)
- PARSER
- PARSE_TREE

- PARTIAL
- PARTITION (R)
- PARTITIONING
- PARTITIONS
- PASSWORD
- PASSWORD_LOCK_TIME
- PATH
- PERCENT_RANK (R)
- PERSIST
- PERSIST_ONLY
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON
- PORT
- PRECEDES
- PRECEDING
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)
- PRIVILEGES
- PRIVILEGE_CHECKS_USER
- PROCEDURE (R)
- PROCESS
- PROCESSLIST
- PROFILE

- PROFILES
- PROXY
- PURGE (R)

Q

- QUALIFY (R)
- QUARTER
- QUERY
- QUICK

R

- RANDOM
- RANGE (R)
- RANK (R)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)
- REBUILD
- RECOVER
- RECURSIVE (R)
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCE
- REFERENCES (R)
- REGEXP (R)
- REGISTRATION
- RELAY
- RELAYLOG
- RELAY_LOG_FILE
- RELAY_LOG_POS

- RELAY_THREAD
- RELEASE (R)
- RELOAD
- REMOVE
- RENAME (R)
- REORGANIZE
- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICA
- REPLICAS
- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB
- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- REPLICATION
- REQUIRE (R)
- REQUIRE_ROW_FORMAT
- RESET
- RESIGNAL (R)
- RESOURCE
- RESPECT
- RESTART
- RESTORE
- RESTRICT (R)
- RESUME

- RETAIN
- RETURN (R)
- RETURNED_SQLSTATE
- RETURNING
- RETURNS
- REUSE
- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLE
- ROLLBACK
- ROLLUP
- ROTATE
- ROUTINE
- ROW (R)
- ROWS (R)
- ROW_COUNT
- ROW_FORMAT
- ROW_NUMBER (R)
- RTREE

S

- S3
- SAVEPOINT
- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)
- SCHEMA_NAME
- SECOND
- SECONDARY

- SECONDARY_ENGINE
- SECONDARY_ENGINE_ATTRIBUTE
- SECONDARY_LOAD
- SECONDARY_UNLOAD
- SECOND_MICROSECOND (R)
- SECURITY
- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN
- SIGNAL (R)
- SIGNED
- SIMPLE
- SKIP
- SLAVE
- SLOW
- SMALLINT (R)
- SNAPSHOT
- SOCKET
- SOME
- SONAME
- SOUNDS
- SOURCE

- SOURCE_AUTO_POSITION
- SOURCE_BIND
- SOURCE_COMPRESSION_ALGORITHMS
- SOURCE_CONNECT_RETRY
- SOURCE_DELAY
- SOURCE_HEARTBEAT_PERIOD
- SOURCE_HOST
- SOURCE_LOG_FILE
- SOURCE_LOG_POS
- SOURCE_PASSWORD
- SOURCE_PORT
- SOURCE_PUBLIC_KEY_PATH
- SOURCE_RETRY_COUNT
- SOURCE_SSL
- SOURCE_SSL_CA
- SOURCE_SSL_CAPATH
- SOURCE_SSL_CERT
- SOURCE_SSL_CIPHER
- SOURCE_SSL_CRL
- SOURCE_SSL_CRLPATH
- SOURCE_SSL_KEY
- SOURCE_SSL_VERIFY_SERVER_CERT
- SOURCE_TLS_CIPHERSUITES
- SOURCE_TLS_VERSION
- SOURCE_USER
- SOURCE_ZSTD_COMPRESSION_LEVEL
- SPATIAL (R)
- SPECIFIC (R)
- SQL (R)
- SQLEXCEPTION (R)

- SQLSTATE (R)
- SQLWARNING (R)
- SQL_AFTER_GTIDS
- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)
- SQL_BUFFER_RESULT
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER
- SQL_TSI_SECOND
- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SRID
- SSL (R)
- STACKED
- START
- STARTING (R)
- STARTS
- STATS_AUTO_RECALC
- STATS_PERSISTENT
- STATS_SAMPLE_PAGES
- STATUS
- STOP

- STORAGE
- STORED (R)
- STRAIGHT_JOIN (R)
- STREAM
- STRING
- SUBCLASS_ORIGIN
- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES
- SYSTEM (R)

T

- TABLE (R)
- TABLES
- TABLESAMPLE (R)
- TABLESPACE
- TABLE_CHECKSUM
- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)
- TEXT
- THAN
- THEN (R)
- THREAD_PRIORITY
- TIES
- TIME

- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF
- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)
- TLS
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNBOUNDED
- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE
- UNINSTALL
- UNION (R)
- UNIQUE (R)
- UNKNOWN
- UNLOCK (R)
- UNREGISTER

- UNSIGNED (R)
- UNTIL
- UPDATE (R)
- UPGRADE
- URL
- USAGE (R)
- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION
- VALUE
- VALUES (R)
- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VCPU
- VECTOR
- VIEW
- VIRTUAL (R)
- VISIBLE

W

- WAIT

- WARNINGS
- WEEK
- WEIGHT_STRING
- WHEN (R)
- WHERE (R)
- WHILE (R)
- WINDOW (R)
- WITH (R)
- WITHOUT
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)
- ZONE

MySQL 9.1 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 9.1, compared to MySQL 9.0. Reserved keywords are marked with (R).

There are no keywords added between MySQL 9.0-9.1.

MySQL 9.1 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 9.1, compared to MySQL 9.0. Reserved keywords are marked with (R).

There are no keywords removed between MySQL 9.0-9.1.

7.9 Keywords and Reserved Words in MySQL 9.2

This section provides information about keywords and reserved words in MySQL 9.2.

- MySQL 9.2 Keywords and Reserved Words
- MySQL 9.2 New Keywords and Reserved Words
- MySQL 9.2 Removed Keywords and Reserved Words

MySQL 9.2 Keywords and Reserved Words

The following list shows the keywords and reserved words in MySQL 9.2, along with changes to individual words from version to version. Reserved keywords are marked with (R).

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z

A

- `ACCESSIBLE` (R)
- `ACCOUNT`
- `ACTION`
- `ACTIVE`
- `ADD` (R)
- `ADMIN`
- `AFTER`
- `AGAINST`
- `AGGREGATE`
- `ALGORITHM`
- `ALL` (R)
- `ALTER` (R)
- `ALWAYS`
- `ANALYZE` (R)
- `AND` (R)
- `ANY`
- `ARRAY`
- `AS` (R)
- `ASC` (R)

- ASCII
- ASENSITIVE (R)
- AT
- ATTRIBUTE
- AUTHENTICATION
- AUTO
- AUTOEXTEND_SIZE
- AUTO_INCREMENT
- AVG
- AVG_ROW_LENGTH

B

- BACKUP
- BEFORE (R)
- BEGIN
- BERNOULLI
- BETWEEN (R)
- BIGINT (R)
- BINARY (R)
- BINLOG
- BIT
- BLOB (R)
- BLOCK
- BOOL
- BOOLEAN
- BOTH (R)
- BTREE
- BUCKETS
- BULK
- BY (R)
- BYTE

C

- CACHE
- CALL (R)
- CASCADE (R)
- CASCADED
- CASE (R)
- CATALOG_NAME
- CHAIN
- CHALLENGE_RESPONSE
- CHANGE (R)
- CHANGED
- CHANNEL
- CHAR (R)
- CHARACTER (R)
- CHARSET
- CHECK (R)
- CHECKSUM
- CIPHER
- CLASS_ORIGIN
- CLIENT
- CLONE
- CLOSE
- COALESCE
- CODE
- COLLATE (R)
- COLLATION
- COLUMN (R)
- COLUMNS
- COLUMN_FORMAT
- COLUMN_NAME

- COMMENT
- COMMIT
- COMMITTED
- COMPACT
- COMPLETION
- COMPONENT
- COMPRESSED
- COMPRESSION
- CONCURRENT
- CONDITION (R)
- CONNECTION
- CONSISTENT
- CONSTRAINT (R)
- CONSTRAINT_CATALOG
- CONSTRAINT_NAME
- CONSTRAINT_SCHEMA
- CONTAINS
- CONTEXT
- CONTINUE (R)
- CONVERT (R)
- CPU
- CREATE (R)
- CROSS (R)
- CUBE (R)
- CUME_DIST (R)
- CURRENT
- CURRENT_DATE (R)
- CURRENT_TIME (R)
- CURRENT_TIMESTAMP (R)
- CURRENT_USER (R)

- CURSOR (R)
- CURSOR_NAME

D

- DATA
- DATABASE (R)
- DATABASES (R)
- DATAFILE
- DATE
- DATETIME
- DAY
- DAY_HOUR (R)
- DAY_MICROSECOND (R)
- DAY_MINUTE (R)
- DAY_SECOND (R)
- DEALLOCATE
- DEC (R)
- DECIMAL (R)
- DECLARE (R)
- DEFAULT (R)
- DEFAULT_AUTH
- DEFINER
- DEFINITION
- DELAYED (R)
- DELAY_KEY_WRITE
- DELETE (R)
- DENSE_RANK (R)
- DESC (R)
- DESCRIBE (R)
- DESCRIPTION
- DETERMINISTIC (R)

- DIAGNOSTICS
- DIRECTORY
- DISABLE
- DISCARD
- DISK
- DISTINCT (R)
- DISTINCTROW (R)
- DIV (R)
- DO
- DOUBLE (R)
- DROP (R)
- DUAL (R)
- DUMPFILE
- DUPLICATE
- DYNAMIC

E

- EACH (R)
- ELSE (R)
- ELSEIF (R)
- EMPTY (R)
- ENABLE
- ENCLOSED (R)
- ENCRYPTION
- END
- ENDS
- ENFORCED
- ENGINE
- ENGINES
- ENGINE_ATTRIBUTE
- ENUM

- ERROR
- ERRORS
- ESCAPE
- ESCAPED (R)
- EVENT
- EVENTS
- EVERY
- EXCEPT (R)
- EXCHANGE
- EXCLUDE
- EXECUTE
- EXISTS (R)
- EXIT (R)
- EXPANSION
- EXPIRE
- EXPLAIN (R)
- EXPORT
- EXTENDED
- EXTENT_SIZE

F

- FACTOR
- FAILED_LOGIN_ATTEMPTS
- FALSE (R)
- FAST
- FAULTS
- FETCH (R)
- FIELDS
- FILE
- FILE_BLOCK_SIZE
- FILTER

- FINISH
- FIRST
- FIRST_VALUE (R)
- FIXED
- FLOAT (R)
- FLOAT4 (R)
- FLOAT8 (R)
- FLUSH
- FOLLOWING
- FOLLOWS
- FOR (R)
- FORCE (R)
- FOREIGN (R)
- FORMAT
- FOUND
- FROM (R)
- FULL
- FULLTEXT (R)
- FUNCTION (R)

G

- GENERAL
- GENERATE
- GENERATED (R)
- GEOMCOLLECTION
- GEOMETRY
- GEOMETRYCOLLECTION
- GET (R)
- GET_FORMAT
- GET_SOURCE_PUBLIC_KEY
- GLOBAL

- GRANT (R)
- GRANTS
- GROUP (R)
- GROUPING (R)
- GROUPS (R)
- GROUP_REPLICATION
- GTIDS
- GTID_ONLY

H

- HANDLER
- HASH
- HAVING (R)
- HEADER
- HELP
- HIGH_PRIORITY (R)
- HISTOGRAM
- HISTORY
- HOST
- HOSTS
- HOUR
- HOUR_MICROSECOND (R)
- HOUR_MINUTE (R)
- HOUR_SECOND (R)

I

- IDENTIFIED
- IF (R)
- IGNORE (R)
- IGNORE_SERVER_IDS
- IMPORT
- IN (R)

- INACTIVE
- INDEX (R)
- INDEXES
- INFILE (R)
- INITIAL
- INITIAL_SIZE
- INITIATE
- INNER (R)
- INOUT (R)
- INSENSITIVE (R)
- INSERT (R)
- INSERT_METHOD
- INSTALL
- INSTANCE
- INT (R)
- INT1 (R)
- INT2 (R)
- INT3 (R)
- INT4 (R)
- INT8 (R)
- INTEGER (R)
- INTERSECT (R)
- INTERVAL (R)
- INTO (R)
- INVISIBLE
- INVOKER
- IO
- IO_AFTER_GTIDS (R)
- IO_BEFORE_GTIDS (R)
- IO_THREAD

- IPC
- IS (R)
- ISOLATION
- ISSUER
- ITERATE (R)

J

- JOIN (R)
- JSON
- JSON_TABLE (R)
- JSON_VALUE

K

- KEY (R)
- KEYRING
- KEYS (R)
- KEY_BLOCK_SIZE
- KILL (R)

L

- LAG (R)
- LANGUAGE
- LAST
- LAST_VALUE (R)
- LATERAL (R)
- LEAD (R)
- LEADING (R)
- LEAVE (R)
- LEAVES
- LEFT (R)
- LESS
- LEVEL
- LIBRARY (R)

- LIKE (R)
- LIMIT (R)
- LINEAR (R)
- LINES (R)
- LINESTRING
- LIST
- LOAD (R)
- LOCAL
- LOCALTIME (R)
- LOCALTIMESTAMP (R)
- LOCK (R)
- LOCKED
- LOCKS
- LOG
- LOGFILE
- LOGS
- LONG (R)
- LONGBLOB (R)
- LONGTEXT (R)
- LOOP (R)
- LOW_PRIORITY (R)

M

- MANUAL (R)
- MASTER
- MATCH (R)
- MAXVALUE (R)
- MAX_CONNECTIONS_PER_HOUR
- MAX_QUERIES_PER_HOUR
- MAX_ROWS
- MAX_SIZE

- MAX_UPDATES_PER_HOUR
- MAX_USER_CONNECTIONS
- MEDIUM
- MEDIUMBLOB (R)
- MEDIUMINT (R)
- MEDIUMTEXT (R)
- MEMBER
- MEMORY
- MERGE
- MESSAGE_TEXT
- MICROSECOND
- MIDDLEINT (R)
- MIGRATE
- MINUTE
- MINUTE_MICROSECOND (R)
- MINUTE_SECOND (R)
- MIN_ROWS
- MOD (R)
- MODE
- MODIFIES (R)
- MODIFY
- MONTH
- MULTILINESTRING
- MULTIPOINT
- MULTIPOLYGON
- MUTEX
- MYSQL_ERRNO

N

- NAME
- NAMES

- NATIONAL
- NATURAL (R)
- NCHAR
- NDB
- NDBCLUSTER
- NESTED
- NETWORK_NAMESPACE
- NEVER
- NEW
- NEXT
- NO
- NODEGROUP
- NONE
- NOT (R)
- NOWAIT
- NO_WAIT
- NO_WRITE_TO_BINLOG (R)
- NTH_VALUE (R)
- NTILE (R)
- NULL (R)
- NULLS
- NUMBER
- NUMERIC (R)
- NVARCHAR

O

- OF (R)
- OFF
- OFFSET
- OJ
- OLD

- ON (R)
- ONE
- ONLY
- OPEN
- OPTIMIZE (R)
- OPTIMIZER_COSTS (R)
- OPTION (R)
- OPTIONAL
- OPTIONALLY (R)
- OPTIONS
- OR (R)
- ORDER (R)
- ORDINALITY
- ORGANIZATION
- OTHERS
- OUT (R)
- OUTER (R)
- OUTFILE (R)
- OVER (R)
- OWNER

P

- PACK_KEYS
- PAGE
- PARALLEL (R)
- PARAMETERS
- PARSER
- PARSE_TREE
- PARTIAL
- PARTITION (R)
- PARTITIONING

- PARTITIONS
- PASSWORD
- PASSWORD_LOCK_TIME
- PATH
- PERCENT_RANK (R)
- PERSIST
- PERSIST_ONLY
- PHASE
- PLUGIN
- PLUGINS
- PLUGIN_DIR
- POINT
- POLYGON
- PORT
- PRECEDES
- PRECEDING
- PRECISION (R)
- PREPARE
- PRESERVE
- PREV
- PRIMARY (R)
- PRIVILEGES
- PRIVILEGE_CHECKS_USER
- PROCEDURE (R)
- PROCESS
- PROCESSLIST
- PROFILE
- PROFILES
- PROXY
- PURGE (R)

Q

- QUALIFY (R)
- QUARTER
- QUERY
- QUICK

R

- RANDOM
- RANGE (R)
- RANK (R)
- READ (R)
- READS (R)
- READ_ONLY
- READ_WRITE (R)
- REAL (R)
- REBUILD
- RECOVER
- RECURSIVE (R)
- REDO_BUFFER_SIZE
- REDUNDANT
- REFERENCE
- REFERENCES (R)
- REGEXP (R)
- REGISTRATION
- RELAY
- RELAYLOG
- RELAY_LOG_FILE
- RELAY_LOG_POS
- RELAY_THREAD
- RELEASE (R)
- RELOAD

- REMOVE
- RENAME (R)
- REORGANIZE
- REPAIR
- REPEAT (R)
- REPEATABLE
- REPLACE (R)
- REPLICA
- REPLICAS
- REPLICATE_DO_DB
- REPLICATE_DO_TABLE
- REPLICATE_IGNORE_DB
- REPLICATE_IGNORE_TABLE
- REPLICATE_REWRITE_DB
- REPLICATE_WILD_DO_TABLE
- REPLICATE_WILD_IGNORE_TABLE
- REPLICATION
- REQUIRE (R)
- REQUIRE_ROW_FORMAT
- RESET
- RESIGNAL (R)
- RESOURCE
- RESPECT
- RESTART
- RESTORE
- RESTRICT (R)
- RESUME
- RETAIN
- RETURN (R)
- RETURNED_SQLSTATE

- RETURNING
- RETURNS
- REUSE
- REVERSE
- REVOKE (R)
- RIGHT (R)
- RLIKE (R)
- ROLE
- ROLLBACK
- ROLLUP
- ROTATE
- ROUTINE
- ROW (R)
- ROWS (R)
- ROW_COUNT
- ROW_FORMAT
- ROW_NUMBER (R)
- RTREE

S

- S3
- SAVEPOINT
- SCHEDULE
- SCHEMA (R)
- SCHEMAS (R)
- SCHEMA_NAME
- SECOND
- SECONDARY
- SECONDARY_ENGINE
- SECONDARY_ENGINE_ATTRIBUTE
- SECONDARY_LOAD

- SECONDARY_UNLOAD
- SECOND_MICROSECOND (R)
- SECURITY
- SELECT (R)
- SENSITIVE (R)
- SEPARATOR (R)
- SERIAL
- SERIALIZABLE
- SERVER
- SESSION
- SET (R)
- SHARE
- SHOW (R)
- SHUTDOWN
- SIGNAL (R)
- SIGNED
- SIMPLE
- SKIP
- SLAVE
- SLOW
- SMALLINT (R)
- SNAPSHOT
- SOCKET
- SOME
- SONAME
- SOUNDS
- SOURCE
- SOURCE_AUTO_POSITION
- SOURCE_BIND
- SOURCE_COMPRESSION_ALGORITHMS

- SOURCE_CONNECT_RETRY
- SOURCE_DELAY
- SOURCE_HEARTBEAT_PERIOD
- SOURCE_HOST
- SOURCE_LOG_FILE
- SOURCE_LOG_POS
- SOURCE_PASSWORD
- SOURCE_PORT
- SOURCE_PUBLIC_KEY_PATH
- SOURCE_RETRY_COUNT
- SOURCE_SSL
- SOURCE_SSL_CA
- SOURCE_SSL_CAPATH
- SOURCE_SSL_CERT
- SOURCE_SSL_CIPHER
- SOURCE_SSL_CRL
- SOURCE_SSL_CRLPATH
- SOURCE_SSL_KEY
- SOURCE_SSL_VERIFY_SERVER_CERT
- SOURCE_TLS_CIPHERSUITES
- SOURCE_TLS_VERSION
- SOURCE_USER
- SOURCE_ZSTD_COMPRESSION_LEVEL
- SPATIAL (R)
- SPECIFIC (R)
- SQL (R)
- SQLEXCEPTION (R)
- SQLSTATE (R)
- SQLWARNING (R)
- SQL_AFTER_GTIDS

- SQL_AFTER_MTS_GAPS
- SQL_BEFORE_GTIDS
- SQL_BIG_RESULT (R)
- SQL_BUFFER_RESULT
- SQL_CALC_FOUND_ROWS (R)
- SQL_NO_CACHE
- SQL_SMALL_RESULT (R)
- SQL_THREAD
- SQL_TSI_DAY
- SQL_TSI_HOUR
- SQL_TSI_MINUTE
- SQL_TSI_MONTH
- SQL_TSI_QUARTER
- SQL_TSI_SECOND
- SQL_TSI_WEEK
- SQL_TSI_YEAR
- SRID
- SSL (R)
- STACKED
- START
- STARTING (R)
- STARTS
- STATS_AUTO_RECALC
- STATS_PERSISTENT
- STATS_SAMPLE_PAGES
- STATUS
- STOP
- STORAGE
- STORED (R)
- STRAIGHT_JOIN (R)

- STREAM
- STRING
- SUBCLASS_ORIGIN
- SUBJECT
- SUBPARTITION
- SUBPARTITIONS
- SUPER
- SUSPEND
- SWAPS
- SWITCHES
- SYSTEM (R)

T

- TABLE (R)
- TABLES
- TABLESAMPLE (R)
- TABLESPACE
- TABLE_CHECKSUM
- TABLE_NAME
- TEMPORARY
- TEMPTABLE
- TERMINATED (R)
- TEXT
- THAN
- THEN (R)
- THREAD_PRIORITY
- TIES
- TIME
- TIMESTAMP
- TIMESTAMPADD
- TIMESTAMPDIFF

- TINYBLOB (R)
- TINYINT (R)
- TINYTEXT (R)
- TLS
- TO (R)
- TRAILING (R)
- TRANSACTION
- TRIGGER (R)
- TRIGGERS
- TRUE (R)
- TRUNCATE
- TYPE
- TYPES

U

- UNBOUNDED
- UNCOMMITTED
- UNDEFINED
- UNDO (R)
- UNDOFILE
- UNDO_BUFFER_SIZE
- UNICODE
- UNINSTALL
- UNION (R)
- UNIQUE (R)
- UNKNOWN
- UNLOCK (R)
- UNREGISTER
- UNSIGNED (R)
- UNTIL
- UPDATE (R)

- UPGRADE
- URL
- USAGE (R)
- USE (R)
- USER
- USER_RESOURCES
- USE_FRM
- USING (R)
- UTC_DATE (R)
- UTC_TIME (R)
- UTC_TIMESTAMP (R)

V

- VALIDATION
- VALUE
- VALUES (R)
- VARBINARY (R)
- VARCHAR (R)
- VARCHARACTER (R)
- VARIABLES
- VARYING (R)
- VCPU
- VECTOR
- VIEW
- VIRTUAL (R)
- VISIBLE

W

- WAIT
- WARNINGS
- WEEK
- WEIGHT_STRING

- WHEN (R)
- WHERE (R)
- WHILE (R)
- WINDOW (R)
- WITH (R)
- WITHOUT
- WORK
- WRAPPER
- WRITE (R)

X

- X509
- XA
- XID
- XML
- XOR (R)

Y

- YEAR
- YEAR_MONTH (R)

Z

- ZEROFILL (R)
- ZONE

MySQL 9.2 New Keywords and Reserved Words

The following list shows the keywords and reserved words that are added in MySQL 9.2, compared to MySQL 9.1. Reserved keywords are marked with (R).

- HEADER
- LIBRARY (R)
- PARAMETERS

MySQL 9.2 Removed Keywords and Reserved Words

The following list shows the keywords and reserved words that are removed in MySQL 9.2, compared to MySQL 9.1. Reserved keywords are marked with (R).

There are no keywords removed between MySQL 9.1-9.2.

Chapter 8 Build (Configuration) Options

The following table details the `CMake` configuration options available when building MySQL Server from source. The table contains these columns:

- **Name**: The item name.
- **Introduced**: The version or versions in which the item was introduced. This column appears only if it applies to some item.
- **Removed**: The version or versions in which the item was removed. This column appears only if it applies to some item.
- Whether the item is available in the corresponding MySQL Server series. The indicator links to the item description in the main reference manual if more information is available.

  An item has a row in the table if it ever existed in any series shown in the table. The value displayed for a given series indicates item availability in that series:

  - Yes: The item is available in all production-ready General Availability (GA) versions. For a series that has not reached GA status, Yes indicates that the item is available in the most recently released pre-GA version.
  - Some: The item is available in some GA versions. This is the case if the item was introduced after the first GA version, or removed from some GA version.
  - Blank: The item is not available in any GA version. Either it does not exist in the series, or existed in pre-GA versions but was removed before the series reached GA status.

Table 8.1 CMake Option Reference

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
ADD_GDB_INDEX	8.0.18			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BUILD_CONFIG			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
BUNDLE_RUNTIME_LIBRARIES	8.0.11			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CMAKE_BUILD_TYPE			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CMAKE_CXX_FLAGS			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CMAKE_C_FLAGS			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CMAKE_INSTALL_PREFIX			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMPILATION_COMMENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMPILATION_COMMENT_SERVER	8.0.14			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
COMPRESS_DEBUG_SECTIONS	8.0.22			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
CPACK_MONOLITHIC_INSTALL			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEFAULT_CHARSET			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DEFAULT_COLLATION			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PERFSCHEMA										Yes	Yes
DISABLE_PSI_COND	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_DATA_LOCK				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_ERROR				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
DISABLE_PSI_FILE	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_IDLE	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_MEMORY	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_METADATA	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_MUTEX	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_PS	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_RWLOCK	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_SOCKET	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_SP	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_STAGE	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_STATEMENT	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_STATEMENT_DIGEST	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_TABLE	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_THREAD	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_PSI_TRANSACTION	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DISABLE_SHARED		8.0.18		Some							
DOWNLOAD_BOOST	5.7.5		Yes	Yes	Yes	Yes					
DOWNLOAD_BOOST_TIMEOUT	5.7.6		Yes	Yes	Yes	Yes					
ENABLED_LOCAL_INFILE			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENABLED_PROFILING			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENABLE_DEBUG_SYNC	5.7.1, 8.0.1										
ENABLE_DOWNLOADS	8.0.26		Yes	Some							
ENABLE_DTRACE	8.0.1		Yes								
ENABLE_EXPERIMENTAL_SYSVARS	8.0.11			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENABLE_GCOV			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ENABLE_GPROF			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FORCE_COLORED_OUTPUT	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FORCE_INSOURCE_BUILD	8.0.14			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FORCE_UNSUPPORTED_COMPILER	5.7.5		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FPROFILE_GENERATE	8.0.19			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
FPROFILE_USE	8.0.19			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
HAVE_PSI_MEMORY_INTERFACE	8.0.26			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IGNORE_AIO_CHECK			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INNODB_PAGE_ATOMIC_REF_COUNT	5.7.4	5.7.5									
INSTALL_BINDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_DOCDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_DOCREADMEDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
INSTALL_INCLUDEDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_INFODIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_LAYOUT			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_LIBDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_MANDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_MYSQLKEYRINGDIR	5.7.11		Some	Yes	Yes	Yes	Yes				
INSTALL_MYSQLSHAREDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_MYSQLTESTDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_PKGCONFIGDIR	5.7.9		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_PLUGINDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_PRIV_LIBDIR	8.0.13			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_SBINDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_SCRIPTDIR			Yes								
INSTALL_SECURE_FILE_PRIVDIR	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_SECURE_FILE_PRIV_EMBEDDEDDIR	5.7.8		Yes								
INSTALL_SHAREDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_SQLBENCHDIR		5.7.8									
INSTALL_STATIC_LIBRARIES			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
INSTALL_SUPPORTFILESDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LINK_RANDOMIZE	8.0.1			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
LINK_RANDOMIZE_SEED	8.0.1			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MAX_INDEXES	5.7.1		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MEMCACHED_HOME		5.7.33, 8.0.23	Some	Some							
MSVC_CRUNTIMECHECK	8.0.33			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MUTEX_TYPE	5.7.2		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQLX_TCP_PORT	5.7.17		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQLX_UNIX_ADDR	5.7.15		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQL_DATADIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQL_MAINTAINER_MODE			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQL_PROJECT_NAME			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQL_TCP_PORT			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MYSQL_UNIX_ADDR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
NDB_UTILS_LINK_DYNAMIC	8.0.22			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ODBC_INCLUDES			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ODBC_LIB_DIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OPTIMIZER_TRACE			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
OPTIMIZER_SANITIZER_BUILDS	8.0.34			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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REPRODUCIBLE_BUILD	5.7.19, 8.0.11		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SHOW_SUPPRESSED_COMPILER_WARNING	8.0.30		Some	Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUNPRO_STATIC_LIBRARY	5.7.5		Yes								
SYSCONFDIR			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SYSTEMD_UNIT_DIR	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SYSTEMD_SERVICE_NAME	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
TMPDIR	5.7.4		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USE_LD_GOLD		8.0.31		Some							
USE_LD_GOLD	8.0.16			Some	Yes	Yes					
WIN_DEBUG_NO_INLINE	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITHOUT_SERVER			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITHOUT_xxx_STORAGE_ENGINE			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_ANT	8.0.11			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_ASAN	5.7.3		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_ASAN_SCOPE	5.7.21, 8.0.4		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_AUTHENTICATION_CLIENT_PLUGINS	8.0.26		Some	Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_AUTHENTICATION_LDAP	5.7.19, 8.0.2		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_AUTHENTICATION_PAM			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_AWS_SDK	5.7.19, 8.0.2		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_BOOST	5.7.5		Yes	Yes	Yes	Yes					
WITH_BUILDID	8.0.31			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_BUNDLED_LIBEVENT	5.7.33, 8.0.23		Some	Some							
WITH_BUNDLED_MEMCACHED	5.7.33, 8.0.23		Some	Some							
WITH_CLASSPATH			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_CLIENT_PROTOCOL_TRACING	5.7.2		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_CURL	5.7.19, 8.0.2		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_DEBUG			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_DEFAULT_COMPILER_OPTIONS			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_DEFAULT_FEATURE_SET	8.0.22		Yes	Some							
WITH_DEVELOPER_ENTITLEMENTS	8.0.30		Some	Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_EDITLINE	5.7.2		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_EMBEDDED_SERVER			Yes								
WITH_EMBEDDED_SHARED_SELF_LIBRARY	5.7.4		Yes								

Name	Introduced	Removed	5.7	8.0	8.1	8.2	8.3	8.4	9.0	9.1	9.2
WITH_ERROR_INSERT			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_EXTRA_CHARSETS			Yes								
WITH_FIDO	8.0.27			Some	Yes	Yes	Yes				
WITH_GMOCK		8.0.26	Yes	Some							
WITH_ICU	8.0.4			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_INNODB_EXTRA_DEBUG	5.7.2		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_INNODB_MEMCACHED			Yes	Yes	Yes	Yes					
WITH_JEMALLOC	8.0.16			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_KERBING_TEST	5.7.11		Some	Yes	Yes	Yes	Yes				
WITH_LD							Yes	Yes	Yes	Yes	Yes
WITH_LDAP	5.7.29		Some								
WITH_LIBEVENT			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_LIBWRAP			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_LOCALE_ORDER	8.0.17			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_LOG_DIAGNOSTIC											Yes
WITH_LSAN	8.0.16			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_LTO	8.0.13			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_LZ4	5.7.14		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_LZMA	8.0.4	8.0.16		Some							
WITH_MECAB	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_MSAN	5.7.4		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_MSCRT_DEBUG	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_MYSQLX	8.0.11			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDB	8.0.31			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDBAPI_EXAMPLES			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDBCLUSTER			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDBCLUSTER_STORAGE_ENGINE			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDBMTD			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDB_BINLOG			Yes								
WITH_NDB_DEBUG			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDB_JAVA			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDB_PORT			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDB_TEST			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_NDB_TLS_SEARCH_PATH							Yes	Yes	Yes	Yes	Yes
WITH_NUMA	5.7.17		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_PACKAGE_FLAGS	8.0.26			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_PLUGIN_NDBCLUSTER	8.0.13	8.0.31		Some							
WITH_PROTOBUF	5.7.12		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

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WITH_RAPIDJSON	5.7.12		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_RAPIDJSON	8.0.13			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_RE2	8.0.4	8.0.18		Some							
WITH_ROUTER	8.0.16			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_SASL	5.7.29		Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_SHOW_PARSE_TREE					Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_SSL			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_SYSTEMD	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_SYSTEMD_DEBUG	8.0.22			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_SYSTEM_LIBS	8.0.11			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_TCMALLOC	8.0.22			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_TEST_TRACE_PLUGIN	5.7.2		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_TSAN				Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_UBSAN	5.7.6		Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_UNIT_TESTS			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_UNIXODBC			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_VALGRIND			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_WIN_JEMALLOC	8.0.29			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_ZLIB			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_ZSTD	8.0.18			Some	Yes	Yes	Yes	Yes	Yes	Yes	Yes
WITH_xxx_STORAGE_ENGINE			Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes