
[Section 12.4.1, “Operator Precedence”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

%

[Section 12.6.1, “Arithmetic Operators”](#)

&

[Section 12.13, “Bit Functions and Operators”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)

&&

[Section 12.4.3, “Logical Operators”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

>

[Section 12.4.2, “Comparison Functions and Operators”](#)
[Section 8.3.9, “Comparison of B-Tree and Hash Indexes”](#)
[Section 8.8.2, “EXPLAIN Output Format”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 8.3.11, “Optimizer Use of Generated Column Indexes”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

->

[Section 12.18.3, “Functions That Search JSON Values”](#)
[Section 13.1.20.9, “Secondary Indexes and Generated Columns”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

>>

[Section 12.13, “Bit Functions and Operators”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)

>>>

[Section 13.1.15, “CREATE INDEX Statement”](#)
[Section 13.1.20.9, “Secondary Indexes and Generated Columns”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

>=

[Section 12.4.2, “Comparison Functions and Operators”](#)
[Section 8.3.9, “Comparison of B-Tree and Hash Indexes”](#)
[Section 8.8.2, “EXPLAIN Output Format”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 8.3.11, “Optimizer Use of Generated Column Indexes”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 11.5, “The JSON Data Type”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

<

[Section 12.4.2, “Comparison Functions and Operators”](#)
[Section 8.3.9, “Comparison of B-Tree and Hash Indexes”](#)
[Section 8.8.2, “EXPLAIN Output Format”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 8.3.11, “Optimizer Use of Generated Column Indexes”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)
[Section 3.3.4.6, “Working with NULL Values”](#)

<>

[Section 12.4.2, “Comparison Functions and Operators”](#)
[Section 8.8.2, “EXPLAIN Output Format”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)
[Section 3.3.4.6, “Working with NULL Values”](#)

<<

[Section 12.13, “Bit Functions and Operators”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)

<=

[Section 12.4.2, “Comparison Functions and Operators”](#)
[Section 8.3.9, “Comparison of B-Tree and Hash Indexes”](#)
[Section 8.8.2, “EXPLAIN Output Format”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 8.3.11, “Optimizer Use of Generated Column Indexes”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

<=>

[Section 12.4.2, “Comparison Functions and Operators”](#)
[Section 8.8.2, “EXPLAIN Output Format”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 12.3, “Type Conversion in Expression Evaluation”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

*

[Section 12.6.1, “Arithmetic Operators”](#)
[Section 11.1.1, “Numeric Data Type Syntax”](#)

Section 24.6, “Restrictions and Limitations on Partitioning”

+

- Section 12.6.1, “Arithmetic Operators”
- Section 12.11, “Cast Functions and Operators”
- Section 9.5, “Expressions”
- Section 11.1.1, “Numeric Data Type Syntax”
- Section 24.6, “Restrictions and Limitations on Partitioning”

/

- Section 12.6.1, “Arithmetic Operators”
- Section 24.6, “Restrictions and Limitations on Partitioning”
- Section 5.1.8, “Server System Variables”

:=

- Section 12.4.4, “Assignment Operators”
- Section 12.4.1, “Operator Precedence”
- Section 13.7.6.1, “SET Syntax for Variable Assignment”
- Section 9.4, “User-Defined Variables”

=

- Section 12.4.4, “Assignment Operators”
- Section 12.4.2, “Comparison Functions and Operators”
- Section 8.3.9, “Comparison of B-Tree and Hash Indexes”
- Section 13.2.15.7, “Correlated Subqueries”
- Section 8.8.2, “EXPLAIN Output Format”
- Section 1.6.1, “MySQL Extensions to Standard SQL”
- Section 12.4.1, “Operator Precedence”
- Section 8.3.11, “Optimizer Use of Generated Column Indexes”
- Section 8.2.1.2, “Range Optimization”
- Section 13.2.15.12, “Restrictions on Subqueries”
- Section 13.7.6.1, “SET Syntax for Variable Assignment”
- Section 12.8.1, “String Comparison Functions and Operators”
- Section 11.5, “The JSON Data Type”
- Section 9.4, “User-Defined Variables”
- Section 1.3, “What Is New in MySQL 8.0”
- Section 23.2.4, “What is New in MySQL NDB Cluster”
- Section 3.3.4.6, “Working with NULL Values”

^

- Section 12.13, “Bit Functions and Operators”
- Section 9.5, “Expressions”
- Section 12.4.1, “Operator Precedence”
- Section 24.6, “Restrictions and Limitations on Partitioning”

|

- Section 12.13, “Bit Functions and Operators”
- Section 24.6, “Restrictions and Limitations on Partitioning”

||

- Section 12.8.3, “Character Set and Collation of Function Results”
- Section 10.8.2, “COLLATE Clause Precedence”
- Section 9.5, “Expressions”
- Section 12.4.3, “Logical Operators”
- Section 1.6.1, “MySQL Extensions to Standard SQL”
- Section 12.4.1, “Operator Precedence”
- Section 5.1.11, “Server SQL Modes”

[Section 1.3, “What Is New in MySQL 8.0”](#)

~

[Section 12.13, “Bit Functions and Operators”](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)

<<=>

[Section 13.2.15.7, “Correlated Subqueries”](#)

A

[\[index top\]](#)

AND

[Section 8.3.9, “Comparison of B-Tree and Hash Indexes”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 8.2.1.3, “Index Merge Optimization”](#)
[Section 12.4.3, “Logical Operators”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 8.2.2.3, “Optimizing Subqueries with the EXISTS Strategy”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 13.2.15.12, “Restrictions on Subqueries”](#)
[Section 8.2.1.22, “Row Constructor Expression Optimization”](#)
[Section 3.6.7, “Searching on Two Keys”](#)
[Section 20.3.4.2, “Select Tables”](#)
[Section 20.4.4.2, “Select Tables”](#)
[Section 3.3.4.2, “Selecting Particular Rows”](#)
[Section 12.8.1, “String Comparison Functions and Operators”](#)
[Section 25.5.2, “View Processing Algorithms”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

B

[\[index top\]](#)

BETWEEN

[Section 12.4.2, “Comparison Functions and Operators”](#)
[Section 8.3.9, “Comparison of B-Tree and Hash Indexes”](#)
[Section 8.2.1.13, “Condition Filtering”](#)
[Section 8.8.2, “EXPLAIN Output Format”](#)
[Section 8.3.11, “Optimizer Use of Generated Column Indexes”](#)
[Section 13.5.1, “PREPARE Statement”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 11.5, “The JSON Data Type”](#)
[Section 12.3, “Type Conversion in Expression Evaluation”](#)

BINARY

[Section 12.13, “Bit Functions and Operators”](#)
[Section 12.11, “Cast Functions and Operators”](#)
[Section 8.4.2.2, “Optimizing for Character and String Types”](#)
[Section 3.3.4.7, “Pattern Matching”](#)
[Section 3.3.4.4, “Sorting Rows”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

C

[\[index top\]](#)

CASE

[Section 13.6.5.1, “CASE Statement”](#)
[Section 9.5, “Expressions”](#)
[Section 12.5, “Flow Control Functions”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 13.5.1, “PREPARE Statement”](#)

CASE value WHEN compare_value THEN result END

[Section 12.5, “Flow Control Functions”](#)

CASE WHEN condition THEN result END

[Section 12.5, “Flow Control Functions”](#)

CASE WHEN expr1 = expr2 THEN NULL ELSE expr1 END

[Section 12.5, “Flow Control Functions”](#)

CASE()

[Section 2.10.4, “Changes in MySQL 8.0”](#)

column->path

[Section 12.18.3, “Functions That Search JSON Values”](#)

column->path

[Section 12.18.3, “Functions That Search JSON Values”](#)

[Section 11.5, “The JSON Data Type”](#)

D

[\[index top\]](#)

DIV

[Section 12.6.1, “Arithmetic Operators”](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)

E

[\[index top\]](#)

expr BETWEEN min AND max

[Section 12.4.2, “Comparison Functions and Operators”](#)

expr IN ()

[Section 12.4.2, “Comparison Functions and Operators”](#)

expr LIKE pat

[Section 12.8.1, “String Comparison Functions and Operators”](#)

expr NOT BETWEEN min AND max

[Section 12.4.2, “Comparison Functions and Operators”](#)

expr NOT IN ()

[Section 12.4.2, “Comparison Functions and Operators”](#)

expr NOT LIKE pat

[Section 12.8.1, “String Comparison Functions and Operators”](#)

expr NOT REGEXP pat

[Section 12.8.2, “Regular Expressions”](#)

expr NOT RLIKE pat

[Section 12.8.2, “Regular Expressions”](#)

expr REGEXP pat

[Section 12.8.2, “Regular Expressions”](#)

expr RLIKE pat

[Section 12.8.2, “Regular Expressions”](#)

expr1 SOUNDS LIKE expr2

[Section 12.8, “String Functions and Operators”](#)

I

[\[index top\]](#)

IN()

[Section 8.8.2, “EXPLAIN Output Format”](#)

[Section 12.4.1, “Operator Precedence”](#)

[Section 8.3.11, “Optimizer Use of Generated Column Indexes”](#)

[Section 8.2.1.2, “Range Optimization”](#)

[Section 8.2.1.22, “Row Constructor Expression Optimization”](#)

[Section 11.5, “The JSON Data Type”](#)

[Section 12.3, “Type Conversion in Expression Evaluation”](#)

IS

[Section 12.4.1, “Operator Precedence”](#)

IS boolean_value

[Section 12.4.2, “Comparison Functions and Operators”](#)

IS NOT boolean_value

[Section 12.4.2, “Comparison Functions and Operators”](#)

IS NOT NULL

[Section 12.4.2, “Comparison Functions and Operators”](#)

[Section B.3.4.3, “Problems with NULL Values”](#)

[Section 8.2.1.2, “Range Optimization”](#)

[Section 3.3.4.6, “Working with NULL Values”](#)

IS NULL

[Section 12.4.2, “Comparison Functions and Operators”](#)

[Section 8.8.2, “EXPLAIN Output Format”](#)

[Section 8.2.1.15, “IS NULL Optimization”](#)

[Section 8.2.2.3, “Optimizing Subqueries with the EXISTS Strategy”](#)

[Section B.3.4.3, “Problems with NULL Values”](#)

[Section 8.2.1.2, “Range Optimization”](#)

[Section 5.1.8, “Server System Variables”](#)

L

[[index](#) [top](#)]

LIKE

Section 6.2.7, “Access Control, Stage 2: Request Verification”
Section 12.11, “Cast Functions and Operators”
Section 10.2, “Character Sets and Collations in MySQL”
Section 8.3.9, “Comparison of B-Tree and Hash Indexes”
Section 8.8.2, “EXPLAIN Output Format”
Section 26.8, “Extensions to SHOW Statements”
Section 12.18.3, “Functions That Search JSON Values”
Section 13.8.3, “HELP Statement”
Section A.11, “MySQL 8.0 FAQ: MySQL Chinese, Japanese, and Korean Character Sets”
Section 4.5.1.4, “mysql Client Server-Side Help”
Section 1.6.1, “MySQL Extensions to Standard SQL”
Section 23.7.4, “NDB Cluster Replication Schema and Tables”
Section 12.4.1, “Operator Precedence”
Section 3.3.4.7, “Pattern Matching”
Section 27.4.4, “Pre-Filtering by Instrument”
Section 23.6.19, “Quick Reference: NDB Cluster SQL Statements”
Section 8.2.1.2, “Range Optimization”
Section 17.1.6.3, “Replica Server Options and Variables”
Section 17.2.5.4, “Replication Channel Based Filters”
Section 5.1.11, “Server SQL Modes”
Section 13.7.7.3, “SHOW CHARACTER SET Statement”
Section 13.7.7.4, “SHOW COLLATION Statement”
Section 13.7.7.5, “SHOW COLUMNS Statement”
Section 13.7.7.14, “SHOW DATABASES Statement”
Section 13.7.7.18, “SHOW EVENTS Statement”
Section 13.7.7.24, “SHOW OPEN TABLES Statement”
Section 13.7.7.28, “SHOW PROCEDURE STATUS Statement”
Section 13.7.7.37, “SHOW STATUS Statement”
Section 13.7.7.38, “SHOW TABLE STATUS Statement”
Section 13.7.7.39, “SHOW TABLES Statement”
Section 13.7.7.40, “SHOW TRIGGERS Statement”
Section 13.7.7.41, “SHOW VARIABLES Statement”
Section 6.2.4, “Specifying Account Names”
Section 12.8.1, “String Comparison Functions and Operators”
Section 9.1.1, “String Literals”
Section 5.1.9.5, “Structured System Variables”
Section 10.8.5, “The binary Collation Compared to _bin Collations”
Section 28.4.4.5, “The ps_setup_disable_consumer() Procedure”
Section 28.4.4.6, “The ps_setup_disable_instrument() Procedure”
Section 28.4.4.9, “The ps_setup_enable_consumer() Procedure”
Section 28.4.4.10, “The ps_setup_enable_instrument() Procedure”
Section 11.3.6, “The SET Type”
Section 5.1.9, “Using System Variables”

LIKE '_A%'

Section A.11, “MySQL 8.0 FAQ: MySQL Chinese, Japanese, and Korean Character Sets”

LIKE 'pattern'

Section 8.2.1.2, “Range Optimization”
Section 13.7.7, “SHOW Statements”

LIKE ... ESCAPE

[Section B.3.7, “Known Issues in MySQL”](#)

M

[\[index top\]](#)

MEMBER OF()

[Section 13.1.15, “CREATE INDEX Statement”](#)

[Section 12.18.3, “Functions That Search JSON Values”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

N

[\[index top\]](#)

N % M

[Section 12.6.1, “Arithmetic Operators”](#)

[Section 12.6.2, “Mathematical Functions”](#)

N MOD M

[Section 12.6.1, “Arithmetic Operators”](#)

[Section 12.6.2, “Mathematical Functions”](#)

NOT

[Section 12.4.3, “Logical Operators”](#)

[Section 5.1.11, “Server SQL Modes”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

NOT IN()

[Section 8.2.1.2, “Range Optimization”](#)

NOT LIKE

[Section 3.3.4.7, “Pattern Matching”](#)

[Section 12.8.1, “String Comparison Functions and Operators”](#)

NOT REGEXP

[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)

[Section 12.8.1, “String Comparison Functions and Operators”](#)

NOT RLIKE

[Section 12.8.1, “String Comparison Functions and Operators”](#)

O

[\[index top\]](#)

OR

[Section 9.5, “Expressions”](#)

[Section 13.7.1.6, “GRANT Statement”](#)

[Section 8.2.1.3, “Index Merge Optimization”](#)

[Section 12.4.3, “Logical Operators”](#)

[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)

[Section 12.4.1, “Operator Precedence”](#)

[Section 8.2.2.3, “Optimizing Subqueries with the EXISTS Strategy”](#)

[Section 8.2.1.2, “Range Optimization”](#)
[Section 8.2.1.22, “Row Constructor Expression Optimization”](#)
[Section 3.6.7, “Searching on Two Keys”](#)
[Section 20.3.4.2, “Select Tables”](#)
[Section 20.4.4.2, “Select Tables”](#)
[Section 3.3.4.2, “Selecting Particular Rows”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 12.8.1, “String Comparison Functions and Operators”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

R

[\[index top\]](#)

REGEXP

[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 3.3.4.7, “Pattern Matching”](#)
[Section 12.8.2, “Regular Expressions”](#)
[Section 10.11, “Restrictions on Character Sets”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

RLIKE

[Section 3.3.4.7, “Pattern Matching”](#)
[Section 12.8.2, “Regular Expressions”](#)
[Section 10.11, “Restrictions on Character Sets”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

V

[\[index top\]](#)

value MEMBER OF()

[Section 12.18.3, “Functions That Search JSON Values”](#)

X

[\[index top\]](#)

XOR

[Section 12.20.1, “Aggregate Function Descriptions”](#)
[Section 12.4.3, “Logical Operators”](#)

Option Index

[Symbols](#) | [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](#)

Symbols

[\[index top\]](#)

--

[Section 1.6.2.4, “--’ as the Start of a Comment”](#)

-#

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.6, “mysampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.9.4, “The DBUG Package”](#)

-1

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

1231

[Section 4.8.2, “ perror — Display MySQL Error Message Information”](#)

-?

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)
[Section 4.6.6, “mysampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.12, “ndb_error_reporter — NDB Error-Reporting Utility”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)
[Section 4.8.2, “ perror — Display MySQL Error Message Information”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 1.2.2, “The Main Features of MySQL”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)

?

[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)

A

[\[index top\]](#)

-A

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 4.6.4.4, “Other myisamchk Options”](#)

-a

[Section 23.6.1, “Commands in the NDB Cluster Management Client”](#)
[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 7.6.4, “MyISAM Table Optimization”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.6.10, “mysqldumpsslow — Summarize Slow Query Log Files”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 4.6.4.4, “Other myisamchk Options”](#)
[Section 6.4.4.10, “Using the HashiCorp Vault Keyring Plugin”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--abort-on-error

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)

--abort-slave-event-count

[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--add-drop-database

[Section 7.4.1, “Dumping Data in SQL Format with mysqldump”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--add-drop-table

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--add-drop-trigger

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--add-drop-user

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--add-locks

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--add-missing

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--admin-ssl

[Section 5.1.12.2, “Administrative Connection Management”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 5.1.7, “Server Command Options”](#)

--ai-increment

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--ai-offset

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--ai-prefetch-sz

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--all

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)

--all-databases

Creating a Data Snapshot Using mysqldump
[Section 14.7, “Data Dictionary Usage Differences”](#)
[Section 7.4.1, “Dumping Data in SQL Format with mysqldump”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.6.16, “ndbinfo: The NDB Cluster Information Database”](#)
[Section 2.10.13, “Rebuilding or Repairing Tables or Indexes”](#)
[Section 7.4.2, “Reloading SQL-Format Backups”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 2.10.6, “Upgrading MySQL Binary or Package-based Installations on Unix/Linux”](#)
[Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”](#)

--all-in-1

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

--all-tablespaces

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--allow-keywords

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--allow-mismatches

[Section 4.6.2, “innodbcheck — Offline InnoDB File Checksum Utility”](#)

--allow-pk-changes

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--allow-suspicious-udfs

[Section 5.1.7, “Server Command Options”](#)

--analyze

[Section 7.6.4, “MyISAM Table Optimization”](#)

[Section 4.6.4.1, “myisamchk General Options”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.6.4.4, “Other myisamchk Options”](#)

[Section 5.1.8, “Server System Variables”](#)

--ansi

[Section 1.6, “MySQL Standards Compliance”](#)

[Section 5.1.7, “Server Command Options”](#)

antonio

[Section 6.4.1.5, “PAM Pluggable Authentication”](#)

--append

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--apply-replica-statements

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--apply-slave-statements

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--audit-log

[Section 6.4.5.11, “Audit Log Reference”](#)

[Section 6.4.5.2, “Installing or Uninstalling MySQL Enterprise Audit”](#)

--auto-generate-sql

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-generate-sql-add-autoincrement

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-generate-sql-execute-number

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-generate-sql-guid-primary

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-generate-sql-load-type

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-generate-sql-secondary-indexes

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-generate-sql-unique-query-number

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-generate-sql-unique-write-number

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-generate-sql-write-number

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--auto-inc

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--auto-rehash

[Section 15.8.10.2, “Configuring Non-Persistent Optimizer Statistics Parameters”](#)

[Section 4.5.1.2, “mysql Client Commands”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

auto-rehash

[Section 15.8.10.2, “Configuring Non-Persistent Optimizer Statistics Parameters”](#)

--auto-repair

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

--auto-vertical-output

[Section 4.5.1.1, “mysql Client Options”](#)

--autocommit

[Section 5.1.8, “Server System Variables”](#)

B

[\[index top\]](#)

-B

[Section 4.6.4.3, “myisamchk Repair Options”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

-b

[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 4.6.4.4, “Other myisamchk Options”](#)

[Section 5.1.7, “Server Command Options”](#)

--back_log

[Section 2.7, “Installing MySQL on Solaris”](#)

--backup

[Section 4.6.4.3, “myisamchk Repair Options”](#)

[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)

--backup-key

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--backup-key-from-stdin

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--backup-password

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.6.8.2, “Using The NDB Cluster Management Client to Create a Backup”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--backup-password-from-stdin

[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.6.8.2, “Using The NDB Cluster Management Client to Create a Backup”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--backup-path

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

Restoring a parallel backup in parallel

Restoring a parallel backup serially

Restoring to Fewer Nodes Than the Original

backup-path

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

backup-to-image

[Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”](#)

--backupid

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

Restoring to Fewer Nodes Than the Original

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--base64-output

[Section 17.2.1.1, “Advantages and Disadvantages of Statement-Based and Row-Based Replication”](#)

[Section 4.6.9.2, “mysqlbinlog Row Event Display”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 17.2.1.2, “Usage of Row-Based Logging and Replication”](#)

--basedir

[Section 2.9.1, “Initializing the Data Directory”](#)

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

[Section 23.2.7.1, “Noncompliance with SQL Syntax in NDB Cluster”](#)

[Section 5.8, “Running Multiple MySQL Instances on One Machine”](#)

[Section 5.1.7, “Server Command Options”](#)
[Section 2.9.2.1, “Troubleshooting Problems Starting the MySQL Server”](#)

basedir

[Section 2.3.4.2, “Creating an Option File”](#)
[Section 4.3.3, “mysql.server — MySQL Server Startup Script”](#)
[Section 2.3.5, “Troubleshooting a Microsoft Windows MySQL Server Installation”](#)

--batch

[Section 4.5.1.3, “mysql Client Logging”](#)
[Section 4.5.1.1, “mysql Client Options”](#)

--binary-as-hex

[Section 12.20.1, “Aggregate Function Descriptions”](#)
[Section 6.4.5.11, “Audit Log Reference”](#)
[Section 12.13, “Bit Functions and Operators”](#)
[Section 12.11, “Cast Functions and Operators”](#)
[Section 12.14, “Encryption and Compression Functions”](#)
[Section 12.24, “Miscellaneous Functions”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 6.5.5, “MySQL Enterprise Data Masking and De-Identification Function Descriptions”](#)
[Section 6.4.5.6, “Reading Audit Log Files”](#)
[Section 12.8.1, “String Comparison Functions and Operators”](#)
[Section 12.8, “String Functions and Operators”](#)
[Section 9.1.1, “String Literals”](#)
[Section 11.3.3, “The BINARY and VARBINARY Types”](#)
[Section 10.10.8, “The Binary Character Set”](#)
[Section 11.3.4, “The BLOB and TEXT Types”](#)

--binary-mode

[Section 9.7, “Comments”](#)
[Section 4.5.1.2, “mysql Client Commands”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.1.6, “mysql Client Tips”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 7.5.1, “Point-in-Time Recovery Using Binary Log”](#)

--bind-address

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--binlog-checksum

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)

--binlog-do-db

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)

[Section 17.2.5.1, “Evaluation of Database-Level Replication and Binary Logging Options”](#)
[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)
[Section 23.7.3, “Known Issues in NDB Cluster Replication”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 5.4.4, “The Binary Log”](#)

--binlog-format

[Section 5.4.4.1, “Binary Logging Formats”](#)
[Section 23.7.2, “General Requirements for NDB Cluster Replication”](#)
[Section A.4, “MySQL 8.0 FAQ: Stored Procedures and Functions”](#)
[Section 5.4.4.2, “Setting The Binary Log Format”](#)
[Section 23.7.6, “Starting NDB Cluster Replication \(Single Replication Channel\)”](#)
[Section 23.2.7.6, “Unsupported or Missing Features in NDB Cluster”](#)

--binlog-ignore-db

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 17.2.5.1, “Evaluation of Database-Level Replication and Binary Logging Options”](#)
[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)
[Section 23.7.3, “Known Issues in NDB Cluster Replication”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 5.4.4, “The Binary Log”](#)

--binlog-row-event-max-size

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 5.4.4.2, “Setting The Binary Log Format”](#)

--binlog-transaction-compression

[Section 5.4.4.5, “Binary Log Transaction Compression”](#)
[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
NDB Cluster System Variables
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--blob-info

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

--block-search

[Section 4.6.4.4, “Other myisamchk Options”](#)

--bootstrap

[Section 1.3, “What Is New in MySQL 8.0”](#)

C

[\[index top\]](#)

-C

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 4.6.2, “innorechecksum — Offline InnoDB File Checksum Utility”](#)
[Section 4.6.4.2, “myisamchk Check Options”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

-C

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 23.3.2.1, “Installing NDB Cluster on Windows from a Binary Release”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.6.4.2, “myisamchk Check Options”](#)
[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)
[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)
[Restoring to Fewer Nodes Than the Original](#)
[Section 6.4.4.10, “Using the HashiCorp Vault Keyring Plugin”](#)

--cflags

[Section 2.8.8, “Dealing with Problems Compiling MySQL”](#)
[Section 4.7.1, “mysql_config — Display Options for Compiling Clients”](#)

--character-set-client-handshake

[Section A.11, “MySQL 8.0 FAQ: MySQL Chinese, Japanese, and Korean Character Sets”](#)
[Section 5.1.7, “Server Command Options”](#)

[Section 10.10.7.1, “The cp932 Character Set”](#)

--character-set-server

[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 10.15, “Character Set Configuration”](#)
[Section 10.5, “Configuring Application Character Set and Collation”](#)
[Section A.11, “MySQL 8.0 FAQ: MySQL Chinese, Japanese, and Korean Character Sets”](#)
[Section 10.3.2, “Server Character Set and Collation”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--character-sets-dir

[Section B.3.2.15, “Can’t initialize character set”](#)
[Section 10.15, “Character Set Configuration”](#)
[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--character_set_server

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

--charset

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

--check

[Section 4.6.4.2, “myisamchk Check Options”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

--check-missing

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)

Section 23.2.4, “What is New in MySQL NDB Cluster”

--check-only-changed

Section 4.6.4.2, “myisamchk Check Options”

Section 4.5.3, “mysqlcheck — A Table Maintenance Program”

--check-orphans

Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”

--check-upgrade

Section 4.5.3, “mysqlcheck — A Table Maintenance Program”

--chroot

Section 5.1.7, “Server Command Options”

--clone

Section 5.6.7.1, “Installing the Clone Plugin”

--cluster-config-suffix

Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”

Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”

cluster-config-suffix

Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”

Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”

CMAKE_BUILD_TYPE

Section 2.8.7, “MySQL Source-Configuration Options”

CMAKE_C_FLAGS

Section 5.9.1.1, “Compiling MySQL for Debugging”

Section 2.8.8, “Dealing with Problems Compiling MySQL”

Section 2.8.7, “MySQL Source-Configuration Options”

CMAKE_C_FLAGS_build_type

Section 2.8.7, “MySQL Source-Configuration Options”

CMAKE_C_FLAGS_RELWITHDEBINFO

Section 2.8.7, “MySQL Source-Configuration Options”

CMAKE_CXX_FLAGS

Section 5.9.1.1, “Compiling MySQL for Debugging”

Section 2.8.8, “Dealing with Problems Compiling MySQL”

Section 2.8.7, “MySQL Source-Configuration Options”

CMAKE_CXX_FLAGS_build_type

Section 2.8.7, “MySQL Source-Configuration Options”

CMAKE_CXX_FLAGS_RELWITHDEBINFO

Section 2.8.7, “MySQL Source-Configuration Options”

CMAKE_INSTALL_PREFIX

Section 2.8.5, “Installing MySQL Using a Development Source Tree”

Section 6.4.4.19, “Keyring System Variables”

[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 5.8.3, “Running Multiple MySQL Instances on Unix”](#)
[Section 5.1.8, “Server System Variables”](#)

CMAKE_PREFIX_PATH

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

--collation-server

[Section 10.14, “Adding a Collation to a Character Set”](#)
[Section 12.10.7, “Adding a User-Defined Collation for Full-Text Indexing”](#)
[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 10.15, “Character Set Configuration”](#)
[Section 10.5, “Configuring Application Character Set and Collation”](#)
[Section 10.3.2, “Server Character Set and Collation”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--collation_server

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

--color

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--column-names

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.2.2.4, “Program Option Modifiers”](#)

--column-statistics

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--column-type-info

[Section 8.2.1.19, “LIMIT Query Optimization”](#)
[Section 4.5.1.1, “mysql Client Options”](#)

--columns

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

--comments

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--commit

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--compact

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--compatible

[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

COMPILEATION_COMMENT

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

[Section 5.1.8, “Server System Variables”](#)

COMPILE_COMMENT_SERVER

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

[Section 5.1.8, “Server System Variables”](#)

--complete-insert

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--component-dir

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

--compress

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.2.8, “Connection Compression Control”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

[Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

--compress-output

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--compression-algorithms

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.2.8, “Connection Compression Control”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--concurrency

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--config-binary-file

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--config-cache

[Section 23.4.3, “NDB Cluster Configuration Files”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

--config-dir

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

--config-file

[Section 23.3.4, “Initial Startup of NDB Cluster”](#)

[Section 23.3.2.3, “Initial Startup of NDB Cluster on Windows”](#)

[Section 23.3.2.4, “Installing NDB Cluster Processes as Windows Services”](#)

[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)

[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)

[Section 23.4.3.1, “NDB Cluster Configuration: Basic Example”](#)

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

--config-from-node

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

--config_from_node

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

--configdir

[Section 23.4.3, “NDB Cluster Configuration Files”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

--configinfo

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

configure

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)

--connect

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--connect-delay

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

--connect-expired-password

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 6.2.16, “Server Handling of Expired Passwords”](#)

--connect-retries

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)

[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--connect-retry-delay

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--connect-string

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)

--connect-timeout

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

--connection-control

[Section 6.4.2.1, “Connection-Control Plugin Installation”](#)

--connection-control-failed-login-attempts

[Section 6.4.2.1, “Connection-Control Plugin Installation”](#)

--connection-server-id

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.6.9.4, “Specifying the mysqlbinlog Server ID”](#)

[Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”](#)

--connection-timeout

[Section 23.5.12, “ndb_error_reporter — NDB Error-Reporting Utility”](#)

--connections

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--console

[Section 5.4.2.2, “Default Error Log Destination Configuration”](#)

[Section 15.17.2, “Enabling InnoDB Monitors”](#)

[Section 5.4.2.1, “Error Log Configuration”](#)

[Section 23.3.2.3, “Initial Startup of NDB Cluster on Windows”](#)

[Section 2.9.1, “Initializing the Data Directory”](#)

[Section 15.21, “InnoDB Troubleshooting”](#)

[Resetting the Root Password: Windows Systems](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 2.3.4.6, “Starting MySQL from the Windows Command Line”](#)

[Section 2.3.4.5, “Starting the Server for the First Time”](#)

--context

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--continue

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--control-directory-number

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

copy-back-and-apply-log

[Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”](#)

--core-file

[Section 5.9.1.4, “Debugging mysqld under gdb”](#)

[Section 15.8.3.7, “Excluding Buffer Pool Pages from Core Files”](#)

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)

[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)

[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)

[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

core-file

[Section 5.9.1.3, “Using WER with PDB to create a Windows crashdump”](#)

--core-file-size

[Section 2.5.9, “Managing MySQL Server with systemd”](#)
[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)
[Section 5.1.7, “Server Command Options”](#)

--correct-checksum

[Section 4.6.4.3, “myisamchk Repair Options”](#)

--count

[Section 4.6.2, “innorechecksum — Offline InnoDB File Checksum Utility”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

--create

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--create-options

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--create-schema

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--CSV

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--csvopt

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--cxxflags

[Section 2.8.8, “Dealing with Problems Compiling MySQL”](#)
[Section 4.7.1, “mysql_config — Display Options for Compiling Clients”](#)

D

[\[index top\]](#)

-D

[Section 10.13, “Adding a Character Set”](#)
[Section 23.3.1.4, “Building NDB Cluster from Source on Linux”](#)
[Section B.3.2.15, “Can’t initialize character set”](#)
[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 23.3.2.2, “Compiling and Installing NDB Cluster from Source on Windows”](#)

[Section 5.9.1.1, “Compiling MySQL for Debugging”](#)
[Section 2.8.6, “Configuring SSL Library Support”](#)
[Section 5.9.2, “Debugging a MySQL Client”](#)
[Section 20.5.2, “Disabling X Plugin”](#)
[Section 23.1, “General Information”](#)
[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 2.8.4, “Installing MySQL Using a Standard Source Distribution”](#)
[Section 4.8.1, “lz4_decompress — Decompress mysqlpump LZ4-Compressed Output”](#)
[Section 2.5.9, “Managing MySQL Server with systemd”](#)
[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section A.2, “MySQL 8.0 FAQ: Storage Engines”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 23.6.10, “MySQL Server Usage for NDB Cluster”](#)
[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 15.20.3, “Setting Up the InnoDB memcached Plugin”](#)
[Section 16.5, “The ARCHIVE Storage Engine”](#)
[Section 16.6, “The BLACKHOLE Storage Engine”](#)
[Section 16.9, “The EXAMPLE Storage Engine”](#)
[Section 16.8, “The FEDERATED Storage Engine”](#)
[Section 5.9.3, “The LOCK_ORDER Tool”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)
[Section B.3.3.3, “What to Do If MySQL Keeps Crashing”](#)
[Section 2.1.2, “Which MySQL Version and Distribution to Install”](#)
[Section 4.8.3, “zlib_decompress — Decompress mysqlpump ZLIB-Compressed Output”](#)

-d

[Section 2.5.6.1, “Basic Steps for MySQL Server Deployment with Docker”](#)
[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 4.6.4.4, “Other myisamchk Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 6.4.4.8, “Using the keyring_okv KMIP Plugin”](#)

--daemon

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

--daemonize

[Section 5.1.7, “Server Command Options”](#)

--data-file-length

[Section 4.6.4.3, “myisamchk Repair Options”](#)

--database

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.28, “ndb_size.pl — NDBCLUSTER Size Requirement Estimator”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)

--databases

[Section 7.4.5.2, “Copy a Database from one Server to Another”](#)
[Creating a Data Snapshot Using mysqldump](#)
[Section 7.4.1, “Dumping Data in SQL Format with mysqldump”](#)
[Section 7.4.5.1, “Making a Copy of a Database”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.6.16, “ndbinfo: The NDB Cluster Information Database”](#)
[Section 2.10.13, “Rebuilding or Repairing Tables or Indexes”](#)
[Section 7.4.2, “Reloading SQL-Format Backups”](#)

--datadir

[Section 2.3.4.2, “Creating an Option File”](#)
[Section 2.9.1, “Initializing the Data Directory”](#)
[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)
[Section 23.6.20.3, “NDB Cluster and MySQL Security Procedures”](#)
[Section 5.8, “Running Multiple MySQL Instances on One Machine”](#)
[Section 5.8.3, “Running Multiple MySQL Instances on Unix”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.8.1, “Setting Up Multiple Data Directories”](#)
[Section 5.2, “The MySQL Data Directory”](#)
[Section 2.9.2.1, “Troubleshooting Problems Starting the MySQL Server”](#)
[Section 4.2.2.2, “Using Option Files”](#)

datadir

[Section 2.3.4.2, “Creating an Option File”](#)
[Section 2.4.1, “General Notes on Installing MySQL on macOS”](#)

[Section 4.3.3, “mysql.server — MySQL Server Startup Script”](#)
[Section 2.3.5, “Troubleshooting a Microsoft Windows MySQL Server Installation”](#)
[Section 2.3.7, “Windows Platform Restrictions”](#)

--db-workers

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--ddl-rewriter

[Section 5.6.5.2, “ddl_rewriter Plugin Options”](#)
[Section 5.6.5.1, “Installing or Uninstalling ddl_rewriter”](#)

--debug

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 5.9.1.1, “Compiling MySQL for Debugging”](#)
[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 2.3.4.6, “Starting MySQL from the Windows Command Line”](#)
[Section 5.9.4, “The DBUG Package”](#)
[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)
[Section 2.9.2.1, “Troubleshooting Problems Starting the MySQL Server”](#)

debug

[Section 14.1, “Data Dictionary Schema”](#)

--debug-check

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--debug-info

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--debug-sync-timeout

[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)

--decrypt

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.6.8.2, “Using The NDB Cluster Management Client to Create a Backup”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--decrypt-key

[Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

--decrypt-key-from-stdin

[Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

--decrypt-password

[Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)
[Section 23.6.8.2, “Using The NDB Cluster Management Client to Create a Backup”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--decrypt-password-from-stdin

[Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)
[Section 23.6.8.2, “Using The NDB Cluster Management Client to Create a Backup”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--default-auth

[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.4.1.8, “Kerberos Pluggable Authentication”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 6.4.1.1, “Native Pluggable Authentication”](#)
[Section 6.2.17, “Pluggable Authentication”](#)

--default-authentication-plugin

[Section 2.10.4, “Changes in MySQL 8.0”](#)

--default-character-set

[Section 6.2.1, “Account User Names and Passwords”](#)

[Section 10.15, “Character Set Configuration”](#)

[Section 10.5, “Configuring Application Character Set and Collation”](#)

[Section 10.4, “Connection Character Sets and Collations”](#)

[Section 4.5.1.5, “Executing SQL Statements from a Text File”](#)

[Section 13.2.9, “LOAD DATA Statement”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.1.6, “mysql Client Tips”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 5.1.8, “Server System Variables”](#)

--default-parallelism

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--default-storage-engine

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

[Section 5.1.7, “Server Command Options”](#)

--default-time-zone

[Section 5.1.15, “MySQL Server Time Zone Support”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 5.1.8, “Server System Variables”](#)

--default-tmp-storage-engine

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

[Section 5.1.7, “Server Command Options”](#)

--default.key_buffer_size

[Section 5.1.9.5, “Structured System Variables”](#)

DEFAULT_CHARSET

[Section 10.5, “Configuring Application Character Set and Collation”](#)

[Section 10.3.2, “Server Character Set and Collation”](#)

DEFAULT_COLLATION

[Section 10.5, “Configuring Application Character Set and Collation”](#)

[Section 10.3.2, “Server Character Set and Collation”](#)

--defaults-extra-file

[Section 4.2.2.3, “Command-Line Options that Affect Option-File Handling”](#)

[Section 2.9.1, “Initializing the Data Directory”](#)

[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)

[Section 4.6.4.1, “myisamchk General Options”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”
Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”
Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”
Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”
Section 23.5.9, “ndb_desc — Describe NDB Tables”
Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”
Section 23.5.11, “ndb_drop_table — Drop an NDB Table”
Section 23.5.13, “ndb_import — Import CSV Data Into NDB”
Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”
Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”
Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”
Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”
Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”
Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”
Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”
Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”
Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”
Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”
Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”
Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”
Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”
Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”
Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”
Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”
Section 27.12.14.2, “Performance Schema variables_info Table”
Section 5.1.7, “Server Command Options”
Section 4.2.2.2, “Using Option Files”

--defaults-file

Section 2.10.4, “Changes in MySQL 8.0”
Section 4.2.2.3, “Command-Line Options that Affect Option-File Handling”
Section 6.1.2.1, “End-User Guidelines for Password Security”
Section 2.9.1, “Initializing the Data Directory”
Section 15.8.1, “InnoDB Startup Configuration”
Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”
Section 4.7.2, “my_print_defaults — Display Options from Option Files”
Section 4.6.4.1, “myisamchk General Options”
Section 4.5.1.1, “mysql Client Options”
Section 2.8.7, “MySQL Source-Configuration Options”
Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”
Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”

Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”
Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”
Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”
Section 23.5.9, “ndb_desc — Describe NDB Tables”
Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”
Section 23.5.11, “ndb_drop_table — Drop an NDB Table”
Section 23.5.13, “ndb_import — Import CSV Data Into NDB”
Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”
Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”
Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”
Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”
Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”
Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”
Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”
Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”
Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”
Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”
Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”
Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”
Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”
Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”
Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”
Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”
Section 27.12.14.2, “Performance Schema variables_info Table”
Resetting the Root Password: Unix and Unix-Like Systems
Resetting the Root Password: Windows Systems
Section 5.8, “Running Multiple MySQL Instances on One Machine”
Section 5.8.3, “Running Multiple MySQL Instances on Unix”
Section 5.1.7, “Server Command Options”
Section 5.1.3, “Server Configuration Validation”
Section 5.8.2.2, “Starting Multiple MySQL Instances as Windows Services”
Section 5.8.2.1, “Starting Multiple MySQL Instances at the Windows Command Line”
Section 2.3.4.8, “Starting MySQL as a Windows Service”

--defaults-group-suffix

Section 4.2.2.3, “Command-Line Options that Affect Option-File Handling”
Section 4.9, “Environment Variables”
Section 4.7.2, “my_print_defaults — Display Options from Option Files”
Section 4.6.4.1, “myisamchk General Options”
Section 4.5.1.1, “mysql Client Options”
Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”
Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”

Section 23.5.6, “`ndb_blob_tool` — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”
Section 23.5.7, “`ndb_config` — Extract NDB Cluster Configuration Information”
Section 23.5.8, “`ndb_delete_all` — Delete All Rows from an NDB Table”
Section 23.5.9, “`ndb_desc` — Describe NDB Tables”
Section 23.5.10, “`ndb_drop_index` — Drop Index from an NDB Table”
Section 23.5.11, “`ndb_drop_table` — Drop an NDB Table”
Section 23.5.13, “`ndb_import` — Import CSV Data Into NDB”
Section 23.5.14, “`ndb_index_stat` — NDB Index Statistics Utility”
Section 23.5.5, “`ndb_mgm` — The NDB Cluster Management Client”
Section 23.5.4, “`ndb_mgmd` — The NDB Cluster Management Server Daemon”
Section 23.5.15, “`ndb_move_data` — NDB Data Copy Utility”
Section 23.5.16, “`ndb_perror` — Obtain NDB Error Message Information”
Section 23.5.17, “`ndb_print_backup_file` — Print NDB Backup File Contents”
Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”
Section 23.5.24, “`ndb_secretsfile_reader` — Obtain Key Information from an Encrypted NDB Data File”
Section 23.5.25, “`ndb_select_all` — Print Rows from an NDB Table”
Section 23.5.26, “`ndb_select_count` — Print Row Counts for NDB Tables”
Section 23.5.27, “`ndb_show_tables` — Display List of NDB Tables”
Section 23.5.29, “`ndb_top` — View CPU usage information for NDB threads”
Section 23.5.30, “`ndb_waiter` — Wait for NDB Cluster to Reach a Given Status”
Section 23.5.1, “`ndbd` — The NDB Cluster Data Node Daemon”
Section 23.5.2, “`ndbinfo_select_all` — Select From `ndbinfo` Tables”
Section 23.5.31, “`ndbxfm` — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”
Section 5.1.7, “Server Command Options”

--defer-table-indexes

Section 4.5.6, “`mysqldump` — A Database Backup Program”

--delay

Section 23.5.2, “`ndbinfo_select_all` — Select From `ndbinfo` Tables”

--delay-key-write

Section 8.11.5, “External Locking”

delay_key_write

Section 16.2.1, “MyISAM Startup Options”

--delete

Section 4.5.5, “`mysqlimport` — A Data Import Program”

Section 23.5.14, “`ndb_index_stat` — NDB Index Statistics Utility”

--delete-master-logs

Section 4.5.4, “`mysqldump` — A Database Backup Program”

--delete-orphans

Section 23.5.6, “`ndb_blob_tool` — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”

--delete-source-logs

Section 4.5.4, “`mysqldump` — A Database Backup Program”

--delimiter

Section 4.5.1.1, “`mysql` Client Options”

Section 4.5.8, “`mysqlslap` — A Load Emulation Client”

Section 23.5.25, “`ndb_select_all` — Print Rows from an NDB Table”

--des-key-file

[Section 1.3, “What Is New in MySQL 8.0”](#)

--descending

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--description

[Section 4.6.4.4, “Other myisamchk Options”](#)

--destination-keyring

[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

--destination-keyring-configuration-dir

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

--detach

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--detailed-info

[Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

--diff-default

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

--disable

[Section 4.2.2.4, “Program Option Modifiers”](#)

--disable-admin-ssl

[Section 5.1.7, “Server Command Options”](#)

--disable-auto-rehash

[Section 15.8.10.2, “Configuring Non-Persistent Optimizer Statistics Parameters”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

--disable-indexes

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

Restoring to More Nodes Than the Original

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--disable-keys

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--disable-log-bin

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)

[Section 17.1.3.1, “GTID Format and Storage”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)

[Section 5.4.4.2, “Setting The Binary Log Format”](#)

[Section 25.7, “Stored Program Binary Logging”](#)

[Section 5.4.4, “The Binary Log”](#)

--disable-named-commands

[Section 4.5.1.1, “mysql Client Options”](#)

--disable-plugin_name

Section 5.6.1, “Installing and Uninstalling Plugins”

--disable-ssl

Section 5.1.7, “Server Command Options”

Section 1.3, “What Is New in MySQL 8.0”

DISABLE_PSI_THREAD

Section 27.12.21.6, “The processlist Table”

DISABLE_SHARED

Section 1.3, “What Is New in MySQL 8.0”

--disconnect-slave-event-count

Section 17.1.6.3, “Replica Server Options and Variables”

Section 1.3, “What Is New in MySQL 8.0”

--disk

Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”

--diskscan

Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”

--dns-srv-name

Section 4.2.6, “Connecting to the Server Using DNS SRV Records”

Section 4.5.1.2, “mysql Client Commands”

Section 4.5.1.1, “mysql Client Options”

do-*

Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”

--dont-ignore-systab-0

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

--drop-source

Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”

--dry-scp

Section 23.5.12, “ndb_error_reporter — NDB Error-Reporting Utility”

--dump

Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”

Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”

--dump-date

Section 4.5.4, “mysqldump — A Database Backup Program”

--dump-file

Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”

Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”

--dump-replica

Section 4.5.4, “mysqldump — A Database Backup Program”

Section 17.5.1.34, “Replication and Transaction Inconsistencies”

--dump-slave

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 17.5.1.34, “Replication and Transaction Inconsistencies”](#)

E

[\[index top\]](#)

-E

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

-e

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 7.6.2, “How to Check MyISAM Tables for Errors”](#)
[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 13.2.10, “LOAD XML Statement”](#)
[Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.4.2, “myisamchk Check Options”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.7.9, “NDB Cluster Backups With NDB Cluster Replication”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 4.6.4.5, “Obtaining Table Information with myisamchk”](#)
[Section 23.3.6, “Safe Shutdown and Restart of NDB Cluster”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)
[Section 23.6.8.2, “Using The NDB Cluster Management Client to Create a Backup”](#)

--early-plugin-load

[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section 2.4.3, “Installing and Using the MySQL Launch Daemon”](#)
[Section 6.4.4.2, “Keyring Component Installation”](#)
[Section 6.4.4.1, “Keyring Components Versus Keyring Plugins”](#)
[Section 6.4.4.3, “Keyring Plugin Installation”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 2.10.6, “Upgrading MySQL Binary or Package-based Installations on Unix/Linux”](#)
[Section 6.4.4.10, “Using the HashiCorp Vault Keyring Plugin”](#)
[Section 6.4.4.9, “Using the keyring_aws Amazon Web Services Keyring Plugin”](#)
[Section 6.4.4.7, “Using the keyring_encrypted_file Encrypted File-Based Keyring Plugin”](#)
[Section 6.4.4.6, “Using the keyring_file File-Based Keyring Plugin”](#)
[Section 6.4.4.8, “Using the keyring_okv KMIP Plugin”](#)
[Section 6.4.4.12, “Using the Oracle Cloud Infrastructure Vault Keyring Plugin”](#)

--embedded

[Section 1.3, “What Is New in MySQL 8.0”](#)

--embedded-libs

[Section 1.3, “What Is New in MySQL 8.0”](#)

--embedded-server

Section 1.3, “What Is New in MySQL 8.0”

--enable-cleartext-plugin

Section 6.4.1.4, “Client-Side Cleartext Pluggable Authentication”

Section 6.4.1.7, “LDAP Pluggable Authentication”

Section 4.5.1.1, “mysql Client Options”

Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”

Section 4.5.3, “mysqlcheck — A Table Maintenance Program”

Section 4.5.4, “mysqldump — A Database Backup Program”

Section 4.5.5, “mysqlimport — A Data Import Program”

Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”

Section 4.5.8, “mysqlslap — A Load Emulation Client”

Section 6.4.1.5, “PAM Pluggable Authentication”

--enable-plugin_name

Section 5.6.1, “Installing and Uninstalling Plugins”

--enable-ssl

Section 1.3, “What Is New in MySQL 8.0”

ENABLE_DOWNLOADS

Section 2.8.7, “MySQL Source-Configuration Options”

enabled

Section 2.5.1, “Installing MySQL on Linux Using the MySQL Yum Repository”

ENABLED_LOCAL_INFILE

Section 2.8.7, “MySQL Source-Configuration Options”

Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”

--encrypt-backup

Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--encrypt-block-size

Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”

--encrypt-cipher

Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”

--encrypt-kdf-iter-count

Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”

--encrypt-key

Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”

--encrypt-key-from-stdin

Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”

--encrypt-password

Section 23.5.31, “ndbfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”

--encrypt-password-from-stdin

Section 23.5.31, “ndbfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--end-page

Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”

--enforce-gtid-consistency

Section 17.1.6.5, “Global Transaction ID System Variables”

Section 17.1.3.7, “Restrictions on Replication with GTIDs”

--engine

Section 4.5.8, “mysqlslap — A Load Emulation Client”

--env

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

--errins-delay

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--errins-type

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--errmsg-file

Section 4.4.1, “comp_err — Compile MySQL Error Message File”

--error-insert

Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”

--event-scheduler

Section 25.4.2, “Event Scheduler Configuration”

event-scheduler

Section 25.4.2, “Event Scheduler Configuration”

--events

Section 14.7, “Data Dictionary Usage Differences”

Section 7.4.5.3, “Dumping Stored Programs”

Section 7.4.5.4, “Dumping Table Definitions and Content Separately”

Section 4.5.4, “mysqldump — A Database Backup Program”

Section 4.5.6, “mysqlpump — A Database Backup Program”

Section 2.10.6, “Upgrading MySQL Binary or Package-based Installations on Unix/Linux”

Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”

--example

Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”

--exclude-*

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

--exclude-databases

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--exclude-events

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--exclude-gtids

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--exclude-intermediate-sql-tables

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--exclude-missing-columns

[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--exclude-missing-tables

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--exclude-routines

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--exclude-tables

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--exclude-triggers

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--exclude-users

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--excludedbs

[Section 23.5.28, “ndb_size.pl — NDBCLOUD Size Requirement Estimator”](#)

--excludetables

[Section 23.5.28, “ndb_size.pl — NDBCLOUD Size Requirement Estimator”](#)

--execute

[Section 4.5.1.3, “mysql Client Logging”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)
[Section 23.6.8.2, “Using The NDB Cluster Management Client to Create a Backup”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--exit-info

[Section 5.1.7, “Server Command Options”](#)

expire_logs_days

[Section 2.10.4, “Changes in MySQL 8.0”](#)

--extend-check

[Section 4.6.4.2, “myisamchk Check Options”](#)

[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.4.3, “myisamchk Repair Options”](#)

--extended

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

--extended-insert

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--external-locking

[Section 8.11.5, “External Locking”](#)
[Section 16.2.1, “MyISAM Startup Options”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)

--extra-file

[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)

--extra-node-info

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

--extra-partition-info

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.6.16.7, “The ndbinfo cluster_operations Table”](#)
[Section 23.6.16.54, “The ndbinfo server_operations Table”](#)

F

[\[index top\]](#)

-F

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 4.6.4.2, “myisamchk Check Options”](#)
[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)
[Section 4.5.1.2, “mysql Client Commands”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

-f

[Section 23.6.1, “Commands in the NDB Cluster Management Client”](#)
[Section 23.3.4, “Initial Startup of NDB Cluster”](#)
[Section 23.3.2.3, “Initial Startup of NDB Cluster on Windows”](#)
[Section 4.6.4.2, “myisamchk Check Options”](#)
[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)
[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 5.9.1.5, “Using a Stack Trace”](#)

--fast

[Section 4.6.4.2, “myisamchk Check Options”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

--federated

[Section 16.8, “The FEDERATED Storage Engine”](#)

--fido-register-factor

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 6.4.1.11, “FIDO Pluggable Authentication”](#)
[Section 4.5.1.1, “mysql Client Options”](#)

--fields

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

--fields-enclosed-by

[Section 7.4.3, “Dumping Data in Delimited-Text Format with mysqldump”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--fields-escaped-by

[Section 7.4.3, “Dumping Data in Delimited-Text Format with mysqldump”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--fields-optionally-enclosed-by

[Section 7.4.3, “Dumping Data in Delimited-Text Format with mysqldump”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--fields-terminated-by

[Section 7.4.3, “Dumping Data in Delimited-Text Format with mysqldump”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--fields-xxx

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--file-key

[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)

[Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”](#)

--file-key-from-stdin

[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)

[Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”](#)

--filesystem-password

[Section 23.4.3.6, “Defining NDB Cluster Data Nodes”](#)

[Section 23.6.14.1, “NDB File System Encryption Setup and Usage”](#)

[Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”](#)

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--filesystem-password-from-stdin

[Section 23.4.3.6, “Defining NDB Cluster Data Nodes”](#)

[Section 23.6.14.1, “NDB File System Encryption Setup and Usage”](#)

[Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”](#)

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--fix-db-names

[Section 1.3, “What Is New in MySQL 8.0”](#)

--fix-table-names

[Section 1.3, “What Is New in MySQL 8.0”](#)

--flush

[Section 5.1.7, “Server Command Options”](#)

[Section 5.1.8, “Server System Variables”](#)

[Section B.3.3.3, “What to Do If MySQL Keeps Crashing”](#)

--flush-logs

[Section 7.3.1, “Establishing a Backup Policy”](#)

[Section 5.4, “MySQL Server Logs”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 6.2.2, “Privileges Provided by MySQL”](#)

--flush-privileges

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--force

[Section 4.6.4.2, “myisamchk Check Options”](#)

[Section 4.6.4.3, “myisamchk Repair Options”](#)

[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 3.5, “Using mysql in Batch Mode”](#)

[Section 2.10.3, “What the MySQL Upgrade Process Upgrades”](#)

--force-if-open

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--force-read

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--foreground

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

--format

[Section 23.5.28, “ndb_size.pl — NDBCLUSTER Size Requirement Estimator”](#)

FPROFILE_GENERATE

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

FPROFILE_USE

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

--fragment-id

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--fs

[Section 23.5.12, “ndb_error_reporter — NDB Error-Reporting Utility”](#)

G

[\[index top\]](#)

-G

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)

-g

[Section 5.9.1.1, “Compiling MySQL for Debugging”](#)

[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--gci

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--gci64

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--gdb

[Section 5.9.1.4, “Debugging mysqld under gdb”](#)

[Section 13.7.8.8, “RESTART Statement”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 4.10, “Unix Signal Handling in MySQL”](#)

--general-log

[Section 4.2.2.1, “Using Options on the Command Line”](#)

[Section 5.1.9, “Using System Variables”](#)

--general_log

[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)

[Section 5.4.3, “The General Query Log”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)
[Section 5.1.9, “Using System Variables”](#)

--general_log_file

[Section 5.8, “Running Multiple MySQL Instances on One Machine”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 5.4.3, “The General Query Log”](#)

--get-server-public-key

[Section 6.4.1.2, “Caching SHA-2 Pluggable Authentication”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--graph

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

H

[\[index top\]](#)

-H

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

-h

[Section 1.1, “About This Manual”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 4.2.4, “Connecting to the MySQL Server Using Command Options”](#)
[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.2.1, “Invoking MySQL Programs”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)

HAVE_CRYPT

[Section 1.3, “What Is New in MySQL 8.0”](#)

--header

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--header-file

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

--HELP

[Section 4.6.4.1, “myisamchk General Options”](#)

--help

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.6.2, “innoread — Offline InnoDB File Read Utility”](#)
[Section 23.3.2.4, “Installing NDB Cluster Processes as Windows Services”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.6, “mysampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)
[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.12, “ndb_error_reporter — NDB Error-Reporting Utility”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)

Section 23.5.4, “`ndb_mgmd` — The NDB Cluster Management Server Daemon”
Section 23.5.15, “`ndb_move_data` — NDB Data Copy Utility”
Section 23.5.16, “`ndb_perror` — Obtain NDB Error Message Information”
Section 23.5.17, “`ndb_print_backup_file` — Print NDB Backup File Contents”
Section 23.5.18, “`ndb_print_file` — Print NDB Disk Data File Contents”
Section 23.5.22, “`ndb_redo_log_reader` — Check and Print Content of Cluster Redo Log”
Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”
Section 23.5.24, “`ndb_secretsfile_reader` — Obtain Key Information from an Encrypted NDB Data File”
Section 23.5.25, “`ndb_select_all` — Print Rows from an NDB Table”
Section 23.5.26, “`ndb_select_count` — Print Row Counts for NDB Tables”
Section 23.5.27, “`ndb_show_tables` — Display List of NDB Tables”
Section 23.5.29, “`ndb_top` — View CPU usage information for NDB threads”
Section 23.5.30, “`ndb_waiter` — Wait for NDB Cluster to Reach a Given Status”
Section 23.5.1, “`ndbd` — The NDB Cluster Data Node Daemon”
Section 23.5.2, “`ndbinfo_select_all` — Select From `ndbinfo` Tables”
Section 23.5.31, “`ndbxfrm` — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”
Section 4.1, “Overview of MySQL Programs”
Section 4.8.2, “`perror` — Display MySQL Error Message Information”
Section 5.1.7, “Server Command Options”
Section 2.9.3, “Testing the Server”
Section 1.2.2, “The Main Features of MySQL”
Section 2.9.2.1, “Troubleshooting Problems Starting the MySQL Server”
Chapter 3, *Tutorial*
Section 4.2.2.2, “Using Option Files”
Section 4.2.2.1, “Using Options on the Command Line”
Section 23.2.4, “What is New in MySQL NDB Cluster”

help

Section 2.3.3.5, “MySQL Installer Console Reference”

--hex

Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”

--hex-blob

Section 4.5.4, “`mysqldump` — A Database Backup Program”
Section 4.5.6, “`mysqlpump` — A Database Backup Program”

--hexdump

Section 4.6.9.1, “`mysqlbinlog` Hex Dump Format”
Section 4.6.9, “`mysqlbinlog` — Utility for Processing Binary Log Files”

--histignore

Section 4.5.1.3, “`mysql` Client Logging”
Section 4.5.1.1, “`mysql` Client Options”
Section 4.5.1.6, “`mysql` Client Tips”

--host

Section 1.1, “About This Manual”
Section 4.2.3, “Command Options for Connecting to the Server”
Section 4.2.4, “Connecting to the MySQL Server Using Command Options”
Section 2.9.1, “Initializing the Data Directory”
Section 4.2.1, “Invoking MySQL Programs”
Section 6.4.1.8, “Kerberos Pluggable Authentication”
Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”
Section 4.5.1.1, “`mysql` Client Options”

Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”
Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”
Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”
Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”
Section 4.2.2.6, “Option Defaults, Options Expecting Values, and the = Sign”
Section 5.1.8, “Server System Variables”
Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”
Section 5.8.4, “Using Client Programs in a Multiple-Server Environment”
Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”
Section 4.2.2.2, “Using Option Files”
Section 4.2.2.1, “Using Options on the Command Line”
Section 20.5.6.2, “X Plugin Options and System Variables”

host

Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”
Section 4.2.2.2, “Using Option Files”

--hostname

Section 23.5.28, “ndb_size.pl — NDBCLUSTER Size Requirement Estimator”

--html

Section 4.5.1.1, “mysql Client Options”

|

[index top]

-|

Section 4.6.2, “innorecover — Offline InnoDB File Checksum Utility”
Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”
Section 4.8.2, “ perror — Display MySQL Error Message Information”
Section 5.1.7, “Server Command Options”

-|

Section 23.6.1, “Commands in the NDB Cluster Management Client”
Section 7.6.2, “How to Check MyISAM Tables for Errors”
Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”
Section 4.6.4.2, “myisamchk Check Options”
Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”
Section 4.5.1.1, “mysql Client Options”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”

[Section 23.5.31, “ndbfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

--i-am-a-dummy

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.1.6, “mysql Client Tips”](#)

--id

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)

--idempotent

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 5.1.8, “Server System Variables”](#)

--idleSleep

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--idleSpin

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--ignore

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

ignore-*

[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)

--ignore-db-dir

[Section 2.10.5, “Preparing Your Installation for Upgrade”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--ignore-error

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--ignore-extended-pk-updates

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--ignore-lines

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--ignore-spaces

[Section 4.5.1.1, “mysql Client Options”](#)

--ignore-table

[Creating a Data Snapshot Using mysqldump](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--in-file

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

--in-file-erlog

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

--in-file-toclient

Section 4.4.1, “`comp_err` — Compile MySQL Error Message File”

--include

Section 4.7.1, “`mysql_config` — Display Options for Compiling Clients”

--include-*

Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”

--include-databases

Section 4.5.6, “`mysqldump` — A Database Backup Program”

Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”

--include-events

Section 4.5.6, “`mysqldump` — A Database Backup Program”

--include-gtids

Section 4.6.9, “`mysqlbinlog` — Utility for Processing Binary Log Files”

--include-master-host-port

Section 4.5.4, “`mysqldump` — A Database Backup Program”

--include-routines

Section 4.5.6, “`mysqldump` — A Database Backup Program”

--include-source-host-port

Section 4.5.4, “`mysqldump` — A Database Backup Program”

--include-stored-grants

Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--include-tables

Section 4.5.6, “`mysqldump` — A Database Backup Program”

Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”

--include-triggers

Section 4.5.6, “`mysqldump` — A Database Backup Program”

--include-users

Section 4.5.6, “`mysqldump` — A Database Backup Program”

--info

Section 4.6.2, “`innorecover` — Offline InnoDB File Checksum Utility”

Section 23.5.31, “`ndbfrm` — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”

Section 4.8.2, “`perror` — Display MySQL Error Message Information”

--information

Section 4.6.4.2, “`myisamchk` Check Options”

--init-command

Section 23.6.9, “Importing Data Into MySQL Cluster”

Section 4.5.1.1, “mysql Client Options”

--init_connect

Section 10.5, “Configuring Application Character Set and Collation”

--initial

Section 23.6.7.2, “Adding NDB Cluster Data Nodes Online: Basic procedure”

Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”

Section 23.6.1, “Commands in the NDB Cluster Management Client”

Section 23.4.3.5, “Defining an NDB Cluster Management Server”

Section 23.4.3.4, “Defining Computers in an NDB Cluster”

Section 23.4.3.6, “Defining NDB Cluster Data Nodes”

Section 23.4.3.7, “Defining SQL and Other API Nodes in an NDB Cluster”

Section 23.4.3.8, “Defining the System”

Section 23.3.4, “Initial Startup of NDB Cluster”

Section 23.3.2.3, “Initial Startup of NDB Cluster on Windows”

Section 23.7.3, “Known Issues in NDB Cluster Replication”

Section 23.2.7.10, “Limitations Relating to Multiple NDB Cluster Nodes”

Section 23.4.3, “NDB Cluster Configuration Files”

Section 23.6.11.2, “NDB Cluster Disk Data Storage Requirements”

Section 23.4.3.12, “NDB Cluster Shared-Memory Connections”

Section 23.4.3.10, “NDB Cluster TCP/IP Connections”

Section 23.6.14.1, “NDB File System Encryption Setup and Usage”

Section 23.5.7, “`ndb_config` — Extract NDB Cluster Configuration Information”

Section 23.5.4, “`ndb_mgmd` — The NDB Cluster Management Server Daemon”

Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”

Section 23.5.1, “`ndbd` — The NDB Cluster Data Node Daemon”

Section 23.5.3, “`ndbmtd` — The NDB Cluster Data Node Daemon (Multi-Threaded)”

Section 23.4.2, “Overview of NDB Cluster Configuration Parameters, Options, and Variables”

Section 23.6.5, “Performing a Rolling Restart of an NDB Cluster”

Section 23.7.9.2, “Point-In-Time Recovery Using NDB Cluster Replication”

Restoring to Fewer Nodes Than the Original

Section 23.6.4, “Summary of NDB Cluster Start Phases”

Section 23.3.7, “Upgrading and Downgrading NDB Cluster”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--initial-start

Section 23.5.1, “`ndbd` — The NDB Cluster Data Node Daemon”

--initialize

Section 17.1.6.4, “Binary Logging Options and Variables”

Section 2.10.4, “Changes in MySQL 8.0”

Section 2.3.4.2, “Creating an Option File”

Section 2.9.1, “Initializing the Data Directory”

Section 23.3.1.1, “Installing an NDB Cluster Binary Release on Linux”

MySQL Server Options for NDB Cluster

Chapter 28, *MySQL sys Schema*

Section 5.1.7, “Server Command Options”

Section 5.1.8, “Server System Variables”

Section 5.4.4, “The Binary Log”

Section 23.3.7, “Upgrading and Downgrading NDB Cluster”

Section 1.3, “What Is New in MySQL 8.0”

--initialize-insecure

Section 17.1.6.4, “Binary Logging Options and Variables”

Section 2.10.4, “Changes in MySQL 8.0”

Section 2.3.4.2, “Creating an Option File”

[Section 2.9.1, “Initializing the Data Directory”](#)
[Section 23.3.1.1, “Installing an NDB Cluster Binary Release on Linux”](#)
[Chapter 28, MySQL sys Schema](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 5.4.4, “The Binary Log”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--innodb

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

--innodb-adaptive-hash-index

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

--innodb-file-per-table

[Section 5.1.7, “Server Command Options”](#)

innodb-file-per-table

[Section 5.1.7, “Server Command Options”](#)

--innodb-rollback-on-timeout

[Section 15.21.5, “InnoDB Error Handling”](#)

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

--innodb-status-file

[Section 15.17.2, “Enabling InnoDB Monitors”](#)

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

--innodb-xxx

[Section 5.1.7, “Server Command Options”](#)

innodb_file_per_table

[Creating a Data Snapshot Using Raw Data Files](#)

--input-type

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--input-workers

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--insert-ignore

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--install

[Section 4.2.2.3, “Command-Line Options that Affect Option-File Handling”](#)

[Section 23.3.2.4, “Installing NDB Cluster Processes as Windows Services”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 5.8.2.2, “Starting Multiple MySQL Instances as Windows Services”](#)

[Section 2.3.4.8, “Starting MySQL as a Windows Service”](#)

install

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)

--install-manual

Section 5.1.7, “Server Command Options”
Section 5.8.2.2, “Starting Multiple MySQL Instances as Windows Services”
Section 2.3.4.8, “Starting MySQL as a Windows Service”

INSTALL_LAYOUT

Section 6.4.4.19, “Keyring System Variables”
Section 2.8.7, “MySQL Source-Configuration Options”
Section 5.1.8, “Server System Variables”

INSTALL_LIBDIR

Section 2.8.7, “MySQL Source-Configuration Options”

INSTALL_MYSQLKEYRINGDIR

Section 6.4.4.19, “Keyring System Variables”

INSTALL_PRIV_LIBDIR

Section 2.8.7, “MySQL Source-Configuration Options”

INSTALL_SCRIPTDIR

Section 1.3, “What Is New in MySQL 8.0”

INSTALL_SECURE_FILE_PRIV_EMBEDDEDDIR

Section 1.3, “What Is New in MySQL 8.0”

INSTALL_SECURE_FILE_PRIVDIR

Section 5.1.8, “Server System Variables”

--interactive

Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”

--iterations

Section 4.5.8, “mysqlslap — A Load Emulation Client”

J

[index top]

-j

Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”
Section 4.5.1.1, “mysql Client Options”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

--join

Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”

K

[index top]

-K

Section 4.5.4, “mysqldump — A Database Backup Program”
Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”
Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”

[Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”](#)
[Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

-k

[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

--keep-state

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--keep_files_on_create

[Section 13.1.20, “CREATE TABLE Statement”](#)

--keyring-migration-destination

[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

--keyring-migration-host

[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

--keyring-migration-password

[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

--keyring-migration-port

[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

--keyring-migration-socket

[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

--keyring-migration-source

[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

--keyring-migration-to-component

[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

--keyring-migration-user

[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

--keys

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

--keys-used

[Section 4.6.4.3, “myisamchk Repair Options”](#)

L

[[index top](#)]

-L

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 2.12.3, “Problems Using the Perl DBI/DBD Interface”](#)

-l

[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)

--language

[Section 5.1.7, “Server Command Options”](#)

--large-pages

[Section 8.12.3.3, “Enabling Large Page Support”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)

--lc-messages

[Section 5.1.7, “Server Command Options”](#)

--lc-messages-dir

[Section 5.1.7, “Server Command Options”](#)

--ledir

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--length

[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)

--libmysqld-libs

[Section 1.3, “What Is New in MySQL 8.0”](#)

--libs

[Section 4.7.1, “mysql_config — Display Options for Compiling Clients”](#)

--libs_r

[Section 4.7.1, “mysql_config — Display Options for Compiling Clients”](#)

--line-numbers

Section 4.5.1.1, “mysql Client Options”

--lines-terminated-by

Section 7.4.3, “Dumping Data in Delimited-Text Format with mysqldump”

Section 4.5.4, “mysqldump — A Database Backup Program”

Section 4.5.5, “mysqlimport — A Data Import Program”

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

LINK_RANDOMIZE

Section 2.8.7, “MySQL Source-Configuration Options”

list

Section 2.3.3.5, “MySQL Installer Console Reference”

--load-data-local-dir

Section 4.5.1.1, “mysql Client Options”

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”

--loadqueries

Section 23.5.28, “ndb_size.pl — NDBCLUSTER Size Requirement Estimator”

--local

Section 4.5.5, “mysqlimport — A Data Import Program”

Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”

--local-infile

Section 13.2.10, “LOAD XML Statement”

Section 4.5.1.1, “mysql Client Options”

Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”

--local-load

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”

--local-service

Section 5.1.7, “Server Command Options”

Section 2.3.4.8, “Starting MySQL as a Windows Service”

--lock

Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”

Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”

--lock-all-tables

Section 4.5.4, “mysqldump — A Database Backup Program”

--lock-order

Section 5.9.3, “The LOCK_ORDER Tool”

--lock-tables

Section 4.5.4, “mysqldump — A Database Backup Program”

Section 4.5.5, “mysqlimport — A Data Import Program”

--log

[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)

--log-bin

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 7.3.1, “Establishing a Backup Policy”](#)
[Section B.3.7, “Known Issues in MySQL”](#)
[Section 15.6.3.6, “Moving Tablespace Files While the Server is Offline”](#)
[Section 23.2.7.1, “Noncompliance with SQL Syntax in NDB Cluster”](#)
[Section 7.5.1, “Point-in-Time Recovery Using Binary Log”](#)
[Section 13.4.1.1, “PURGE BINARY LOGS Statement”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 5.8, “Running Multiple MySQL Instances on One Machine”](#)
[Section 17.1.2.1, “Setting the Replication Source Configuration”](#)
[Section 17.4.8, “Switching Sources During Failover”](#)
[Section 5.4.4, “The Binary Log”](#)
[Section 7.3.2, “Using Backups for Recovery”](#)
[Section 18.5.6, “Using MySQL Enterprise Backup with Group Replication”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)

--log-bin-index

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 23.2.7.1, “Noncompliance with SQL Syntax in NDB Cluster”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 5.4.4, “The Binary Log”](#)

--log-error

[Section 5.4.2.2, “Default Error Log Destination Configuration”](#)
[Section 5.4.2.1, “Error Log Configuration”](#)
[Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”](#)
[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.2.2.6, “Option Defaults, Options Expecting Values, and the = Sign”](#)
[Section 5.8, “Running Multiple MySQL Instances on One Machine”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.4.6, “Server Log Maintenance”](#)
[Section 2.3.4.6, “Starting MySQL from the Windows Command Line”](#)
[Section 2.3.4.5, “Starting the Server for the First Time”](#)

--log-error-file

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--log-isam

[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)
[Section 5.1.7, “Server Command Options”](#)

--log-level

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--log-name

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

--log-raw

[Section 6.1.2.3, “Passwords and Logging”](#)
[Section 5.1.7, “Server Command Options”](#)

[Section 5.1.8, “Server System Variables”](#)
[Section 5.4.3, “The General Query Log”](#)

--log-replica-updates

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 17.1.2.2, “Setting the Replica Configuration”](#)
[Section 17.1.3.4, “Setting Up Replication Using GTIDs”](#)

--log-short-format

[Section 5.1.7, “Server Command Options”](#)
[Section 5.4.5, “The Slow Query Log”](#)

--log-slave-updates

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 17.1.4.3, “Disabling GTID Transactions Online”](#)
[Section 17.5.5, “How to Report Replication Bugs or Problems”](#)
[Section 17.4.7, “Improving Replication Performance”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.1.2.2, “Setting the Replica Configuration”](#)
[Section 17.1.3.4, “Setting Up Replication Using GTIDs”](#)
[Section 17.4.8, “Switching Sources During Failover”](#)
[Section 5.4.4, “The Binary Log”](#)

--log-tc

[Section 5.1.7, “Server Command Options”](#)

--log-tc-size

[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.10, “Server Status Variables”](#)

--log-warnings

[Section 1.3, “What Is New in MySQL 8.0”](#)

--log_bin

[Section 4.2.2.1, “Using Options on the Command Line”](#)

--log_output

[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)

--log_timestamps

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--logbuffer-size

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

--login-path

[Section 4.2.2.3, “Command-Line Options that Affect Option-File Handling”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)
[Section 4.2.2.2, “Using Option Files”](#)

--loops

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)

--loose

[Section 4.2.2.4, “Program Option Modifiers”](#)

--loose-opt_name

[Section 4.2.2.2, “Using Option Files”](#)

--lossy-conversions

[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--low-priority

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

--low-priority-updates

[Section 8.11.3, “Concurrent Inserts”](#)
[Section 13.2.7, “INSERT Statement”](#)
[Section 8.11.2, “Table Locking Issues”](#)

--lower-case-table-names

[Section 9.2.3, “Identifier Case Sensitivity”](#)

M

[[index](#) [top](#)]

-M

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

-m

[Section 4.6.4.2, “myisamchk Check Options”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 23.7.9, “NDB Cluster Backups With NDB Cluster Replication”](#)

[Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

[Restoring to More Nodes Than the Original](#)

--malloc-lib

[Section 2.5.9, “Managing MySQL Server with systemd”](#)

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--master-data

[Creating a Data Snapshot Using mysqldump](#)

[Section 7.3.1, “Establishing a Backup Policy”](#)

[Section 5.4, “MySQL Server Logs”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 6.2.2, “Privileges Provided by MySQL”](#)

[Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”](#)

[Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”](#)

--master-info-file

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

[Section 17.2.4.2, “Replication Metadata Repositories”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

--master-retry-count

[Section 13.4.2.1, “CHANGE MASTER TO Statement”](#)

[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

[Section 13.7.7.35, “SHOW REPLICA STATUS Statement”](#)

--max-allowed-packet

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--max-binlog-dump-events

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)

--max-binlog-size

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

--max-join-size

[Section 4.5.1.1, “mysql Client Options”](#)

Section 4.5.1.6, “mysql Client Tips”

--max-record-length

Section 4.6.4.3, “myisamchk Repair Options”
Section 13.7.3.5, “REPAIR TABLE Statement”

--max-relay-log-size

Section 17.1.6.3, “Replica Server Options and Variables”
Section 17.2.2.3, “Startup Options and Replication Channels”

--max-rows

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--max-seeks-for-key

Section 8.2.1.23, “Avoiding Full Table Scans”
Section B.3.5, “Optimizer-Related Issues”

--maximum

Section 4.2.2.4, “Program Option Modifiers”

--maximum-back_log

Section 4.2.2.4, “Program Option Modifiers”

--maximum-max_heap_table_size

Section 4.2.2.4, “Program Option Modifiers”

--maximum-sort-buffer-size

Section 5.1.9, “Using System Variables”

--maximum-var_name

Section 5.1.7, “Server Command Options”
Section 5.1.9, “Using System Variables”

--measured-load

Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”

--medium-check

Section 4.6.4.2, “myisamchk Check Options”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”

--memlock

Section 5.1.7, “Server Command Options”
Section 5.1.8, “Server System Variables”
Section 15.6.3.1, “The System Tablespace”

--missing-ai-column

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”
Section 23.2.4, “What is New in MySQL NDB Cluster”

modify

Section 2.3.3.5, “MySQL Installer Console Reference”

--monitor

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--mount

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

--my-plugin

Section 5.6.1, “Installing and Uninstalling Plugins”

--my_plugin

Section 5.6.1, “Installing and Uninstalling Plugins”

--mycnf

Section 23.5.7, “`ndb_config` — Extract NDB Cluster Configuration Information”

Section 23.5.4, “`ndb_mgmd` — The NDB Cluster Management Server Daemon”

--myisam-block-size

Section 8.10.2.5, “Key Cache Block Size”

Section 5.1.7, “Server Command Options”

--myisam_sort_buffer_size

Section 4.6.4.6, “`myisamchk` Memory Usage”

MYSQL_ALLOW_EMPTY_PASSWORD

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

MYSQL_DATABASE

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

MYSQL_LOG_CONSOLE

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

MYSQL_MAINTAINER_MODE

Section 2.8.8, “Dealing with Problems Compiling MySQL”

MYSQL_ONETIME_PASSWORD

Section 2.5.6.1, “Basic Steps for MySQL Server Deployment with Docker”

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

MYSQL_OPT_USER_PASSWORD

Section 1.3, “What Is New in MySQL 8.0”

MYSQL_PASSWORD

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

MYSQL_RANDOM_ROOT_PASSWORD

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

MYSQL_ROOT_HOST

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

MYSQL_ROOT_PASSWORD

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

MYSQL_TCP_PORT

Section 2.8.5, “Installing MySQL Using a Development Source Tree”

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

MYSQL_UNIX_ADDR

[Section B.3.3.6, “How to Protect or Change the MySQL Unix Socket File”](#)

[Section 2.8.5, “Installing MySQL Using a Development Source Tree”](#)

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

[Section 20.5.6.2, “X Plugin Options and System Variables”](#)

MYSQL_USER

[Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”](#)

--mysqladmin

[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)

--mysqld

[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--mysqld-long-query-time

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 5.1.8, “Server System Variables”](#)

--mysqld-safe-log-timestamps

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--mysqld-version

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--mysqlx

[Section 20.5.2, “Disabling X Plugin”](#)

[Section 20.5.6.2, “X Plugin Options and System Variables”](#)

mysqlx

[Section 20.5.2, “Disabling X Plugin”](#)

MYSQLX_UNIX_ADDR

[Section 20.5.6.2, “X Plugin Options and System Variables”](#)

N

[\[index top\]](#)

-N

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

-n

[Section 23.6.1, “Commands in the NDB Cluster Management Client”](#)

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)

[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)

[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)

[Section 4.6.4.3, “myisamchk Repair Options”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

--name

[Section 2.5.6.1, “Basic Steps for MySQL Server Deployment with Docker”](#)

--name-file

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

--named-commands

[Section 4.5.1.1, “mysql Client Options”](#)

--ndb

[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)
[Section 4.8.2, “perror — Display MySQL Error Message Information”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--ndb-allow-copying-alter-table

[MySQL Server Options for NDB Cluster](#)

--ndb-applier-allow-skip-epoch

[MySQL Server Options for NDB Cluster](#)

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

--ndb-batch-size

[MySQL Server Options for NDB Cluster](#)

[NDB Cluster System Variables](#)

[Section 23.7.5, “Preparing the NDB Cluster for Replication”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--ndb-blob-read-batch-bytes

[MySQL Server Options for NDB Cluster](#)

[NDB Cluster System Variables](#)

[Section 23.7.5, “Preparing the NDB Cluster for Replication”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

ndb-blob-write-batch-bytes

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--ndb-cluster

[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)

--ndb-cluster-connection-pool

[MySQL Server Options for NDB Cluster](#)

--ndb-cluster-connection-pool-nodeids

MySQL Server Options for NDB Cluster

--ndb-connectstring

Section 23.3.2.1, “Installing NDB Cluster on Windows from a Binary Release”

Section A.10, “MySQL 8.0 FAQ: NDB Cluster”

MySQL Server Options for NDB Cluster

Section 23.6.10, “MySQL Server Usage for NDB Cluster”

Section 23.6.20.2, “NDB Cluster and MySQL Privileges”

Section 23.2.1, “NDB Cluster Core Concepts”

Section 23.5.6, “`ndb_blob_tool` — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”

Section 23.5.7, “`ndb_config` — Extract NDB Cluster Configuration Information”

Section 23.5.8, “`ndb_delete_all` — Delete All Rows from an NDB Table”

Section 23.5.9, “`ndb_desc` — Describe NDB Tables”

Section 23.5.10, “`ndb_drop_index` — Drop Index from an NDB Table”

Section 23.5.11, “`ndb_drop_table` — Drop an NDB Table”

Section 23.5.13, “`ndb_import` — Import CSV Data Into NDB”

Section 23.5.14, “`ndb_index_stat` — NDB Index Statistics Utility”

Section 23.5.5, “`ndb_mgm` — The NDB Cluster Management Client”

Section 23.5.4, “`ndb_mgmd` — The NDB Cluster Management Server Daemon”

Section 23.5.15, “`ndb_move_data` — NDB Data Copy Utility”

Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”

Section 23.5.25, “`ndb_select_all` — Print Rows from an NDB Table”

Section 23.5.26, “`ndb_select_count` — Print Row Counts for NDB Tables”

Section 23.5.27, “`ndb_show_tables` — Display List of NDB Tables”

Section 23.5.30, “`ndb_waiter` — Wait for NDB Cluster to Reach a Given Status”

Section 23.5.1, “`ndbd` — The NDB Cluster Data Node Daemon”

Section 23.5.2, “`ndbinfo_select_all` — Select From `ndbinfo` Tables”

Section 23.7.5, “Preparing the NDB Cluster for Replication”

Section 23.4.3.2, “Recommended Starting Configuration for NDB Cluster”

Restoring to Fewer Nodes Than the Original

Restoring to More Nodes Than the Original

Section 23.2.4, “What is New in MySQL NDB Cluster”

ndb-connectstring

Section 23.5.30, “`ndb_waiter` — Wait for NDB Cluster to Reach a Given Status”

--ndb-default-column-format

MySQL Server Options for NDB Cluster

--ndb-deferred-constraints

MySQL Server Options for NDB Cluster

--ndb-distribution

MySQL Server Options for NDB Cluster

--ndb-index-stat-enable

NDB Cluster System Variables

--ndb-log-apply-status

MySQL Server Options for NDB Cluster

NDB Cluster System Variables

--ndb-log-bin

Section 23.7.6, “Starting NDB Cluster Replication (Single Replication Channel)”

--ndb-log-empty-epochs

MySQL Server Options for NDB Cluster

Section 23.7.4, “NDB Cluster Replication Schema and Tables”

--ndb-log-empty-update

MySQL Server Options for NDB Cluster

--ndb-log-exclusive-reads

MySQL Server Options for NDB Cluster

--ndb-log-fail-terminate

MySQL Server Options for NDB Cluster

Section 23.2.4, “What is New in MySQL NDB Cluster”

--ndb-log-orig

MySQL Server Options for NDB Cluster

Section 23.7.4, “NDB Cluster Replication Schema and Tables”

NDB Cluster System Variables

--ndb-log-transaction-compression

Section 5.4.4.5, “Binary Log Transaction Compression”

NDB Cluster System Variables

--ndb-log-transaction-dependency

MySQL Server Options for NDB Cluster

Section 23.7.11, “NDB Cluster Replication Using the Multithreaded Applier”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--ndb-log-transaction-id

MySQL Server Options for NDB Cluster

Section 23.7.12, “NDB Cluster Replication Conflict Resolution”

NDB Cluster System Variables

--ndb-log-update-as-write

Section 23.7.3, “Known Issues in NDB Cluster Replication”

MySQL Server Options for NDB Cluster

Section 23.7.12, “NDB Cluster Replication Conflict Resolution”

Section 23.7.4, “NDB Cluster Replication Schema and Tables”

Section 23.7.11, “NDB Cluster Replication Using the Multithreaded Applier”

--ndb-log-update-minimal

MySQL Server Options for NDB Cluster

Section 23.7.4, “NDB Cluster Replication Schema and Tables”

Section 23.7.11, “NDB Cluster Replication Using the Multithreaded Applier”

--ndb-log-updated-only

MySQL Server Options for NDB Cluster

Section 23.7.12, “NDB Cluster Replication Conflict Resolution”

Section 23.7.4, “NDB Cluster Replication Schema and Tables”

Section 23.7.11, “NDB Cluster Replication Using the Multithreaded Applier”

--ndb-mgmd-host

MySQL Server Options for NDB Cluster

Section 23.5.6, “`ndb_blob_tool` — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”

Section 23.5.7, “`ndb_config` — Extract NDB Cluster Configuration Information”
Section 23.5.8, “`ndb_delete_all` — Delete All Rows from an NDB Table”
Section 23.5.9, “`ndb_desc` — Describe NDB Tables”
Section 23.5.10, “`ndb_drop_index` — Drop Index from an NDB Table”
Section 23.5.11, “`ndb_drop_table` — Drop an NDB Table”
Section 23.5.13, “`ndb_import` — Import CSV Data Into NDB”
Section 23.5.14, “`ndb_index_stat` — NDB Index Statistics Utility”
Section 23.5.5, “`ndb_mgm` — The NDB Cluster Management Client”
Section 23.5.4, “`ndb_mgmd` — The NDB Cluster Management Server Daemon”
Section 23.5.15, “`ndb_move_data` — NDB Data Copy Utility”
Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”
Section 23.5.25, “`ndb_select_all` — Print Rows from an NDB Table”
Section 23.5.26, “`ndb_select_count` — Print Row Counts for NDB Tables”
Section 23.5.27, “`ndb_show_tables` — Display List of NDB Tables”
Section 23.5.30, “`ndb_waiter` — Wait for NDB Cluster to Reach a Given Status”
Section 23.5.1, “`ndbd` — The NDB Cluster Data Node Daemon”
Section 23.5.2, “`ndbinfo_select_all` — Select From `ndbinfo` Tables”

--ndb-nodegroup-map

Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”

--ndb-nodeid

MySQL Server Options for NDB Cluster

Section 23.5.6, “`ndb_blob_tool` — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”
Section 23.5.7, “`ndb_config` — Extract NDB Cluster Configuration Information”
Section 23.5.8, “`ndb_delete_all` — Delete All Rows from an NDB Table”
Section 23.5.9, “`ndb_desc` — Describe NDB Tables”
Section 23.5.10, “`ndb_drop_index` — Drop Index from an NDB Table”
Section 23.5.11, “`ndb_drop_table` — Drop an NDB Table”
Section 23.5.13, “`ndb_import` — Import CSV Data Into NDB”
Section 23.5.14, “`ndb_index_stat` — NDB Index Statistics Utility”
Section 23.5.5, “`ndb_mgm` — The NDB Cluster Management Client”
Section 23.5.4, “`ndb_mgmd` — The NDB Cluster Management Server Daemon”
Section 23.5.15, “`ndb_move_data` — NDB Data Copy Utility”
Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”
Section 23.5.25, “`ndb_select_all` — Print Rows from an NDB Table”
Section 23.5.26, “`ndb_select_count` — Print Row Counts for NDB Tables”
Section 23.5.27, “`ndb_show_tables` — Display List of NDB Tables”
Section 23.5.30, “`ndb_waiter` — Wait for NDB Cluster to Reach a Given Status”
Section 23.5.1, “`ndbd` — The NDB Cluster Data Node Daemon”
Section 23.5.2, “`ndbinfo_select_all` — Select From `ndbinfo` Tables”
Section 23.2.4, “What is New in MySQL NDB Cluster”

--ndb-optimization-delay

MySQL Server Options for NDB Cluster

Section 13.7.3.4, “`OPTIMIZE TABLE` Statement”

--ndb-optimized-node-selection

MySQL Server Options for NDB Cluster

Section 23.5.6, “`ndb_blob_tool` — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”
Section 23.5.7, “`ndb_config` — Extract NDB Cluster Configuration Information”
Section 23.5.8, “`ndb_delete_all` — Delete All Rows from an NDB Table”
Section 23.5.9, “`ndb_desc` — Describe NDB Tables”
Section 23.5.10, “`ndb_drop_index` — Drop Index from an NDB Table”
Section 23.5.11, “`ndb_drop_table` — Drop an NDB Table”
Section 23.5.13, “`ndb_import` — Import CSV Data Into NDB”
Section 23.5.14, “`ndb_index_stat` — NDB Index Statistics Utility”

[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--ndb-replica-batch-size

[Section 23.7.5, “Preparing the NDB Cluster for Replication”](#)

--ndb-replica-blob-write-batch-bytes

[Section 23.7.5, “Preparing the NDB Cluster for Replication”](#)

--ndb-schema-dist-timeout

[MySQL Server Options for NDB Cluster](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--ndb-schema-dist-upgrade-allowed

[Section 23.3.7, “Upgrading and Downgrading NDB Cluster”](#)

--ndb-transid-mysql-connection-map

[MySQL Server Options for NDB Cluster](#)

[Section 26.3.18, “The INFORMATION_SCHEMA ndb_transid_mysql_connection_map Table”](#)

--ndb-wait-connected

[MySQL Server Options for NDB Cluster](#)

--ndb-wait-setup

[MySQL Server Options for NDB Cluster](#)

--ndbcluster

[Section 23.4, “Configuration of NDB Cluster”](#)

[Section 23.3.2.1, “Installing NDB Cluster on Windows from a Binary Release”](#)

[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)

[MySQL Server Options for NDB Cluster](#)

[Section 23.6.10, “MySQL Server Usage for NDB Cluster”](#)

[Section 23.6.20.2, “NDB Cluster and MySQL Privileges”](#)

[Section 23.2.1, “NDB Cluster Core Concepts”](#)

[Section 23.6.16, “ndbinfo: The NDB Cluster Information Database”](#)

[Section 23.4.3.2, “Recommended Starting Configuration for NDB Cluster”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 13.7.7.16, “SHOW ENGINES Statement”](#)

[Section 26.3.13, “The INFORMATION_SCHEMA ENGINES Table”](#)

--ndbinfo

[MySQL Server Options for NDB Cluster](#)

--net-buffer-length

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

net_retry_count

[Section 17.2.3.1, “Monitoring Replication Main Threads”](#)

net_write_timeout

[Section 17.2.3.1, “Monitoring Replication Main Threads”](#)

--network

[Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”](#)

--network-namespace

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 5.1.14, “Network Namespace Support”](#)

--network-timeout

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--nice

[Section 2.5.9, “Managing MySQL Server with systemd”](#)
[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--no-asynch

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--no-auto-rehash

[Section 4.5.1.1, “mysql Client Options”](#)

--no-autocommit

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--no-beep

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

--no-binlog

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--no-check

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.6.2, “innochecksum — Offline InnoDB File Checksum Utility”](#)

--no-contact

[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)

--no-create-db

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--no-create-info

[Section 7.4.5.4, “Dumping Table Definitions and Content Separately”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--no-data

[Section 7.4.5.4, “Dumping Table Definitions and Content Separately”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--no-dd-upgrade

[Section 14.1, “Data Dictionary Schema”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 2.10.3, “What the MySQL Upgrade Process Upgrades”](#)

--no-defaults

[Section 4.2.2.3, “Command-Line Options that Affect Option-File Handling”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)
[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)
[Section 5.1.9.3, “Persisted System Variables”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)
[Section 4.2.2.2, “Using Option Files”](#)

--no-drop

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--no-hint

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--no-history-logging

[Section 18.5.6, “Using MySQL Enterprise Backup with Group Replication”](#)

--no-log

[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)

--no-monitor

[Section 2.3, “Installing MySQL on Microsoft Windows”](#)

[Section 13.7.8.8, “RESTART Statement”](#)

[Section 5.1.7, “Server Command Options”](#)

--no-nodeid-checks

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

--no-print-rows

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--no-restore-disk-objects

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--no-set-names

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--no-symlinks

[Section 4.6.4.3, “myisamchk Repair Options”](#)

--no-tablespaces

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--no-upgrade

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--nodaemon

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

--nodata

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--node-id

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--nodeid

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

Restoring to Fewer Nodes Than the Original

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--nodes

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

--nostart

[Section 23.6.1, “Commands in the NDB Cluster Management Client”](#)

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

--not-started

[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)

--nowait-nodes

[Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”](#)

[Section 23.4.3.6, “Defining NDB Cluster Data Nodes”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

--num-slices

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--number-char-cols

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--number-int-cols

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--number-of-queries

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

O

[\[index top\]](#)

-O

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

-o

[Section 4.6.4.3, “myisamchk Repair Options”](#)

[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

[Section 8.12.1, “Optimizing Disk I/O”](#)

--offset

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--old-style-user-limits

[Section 5.1.7, “Server Command Options”](#)

[Section 6.2.21, “Setting Account Resource Limits”](#)

Section 1.3, “What Is New in MySQL 8.0”

old_passwords

Section 2.10.4, “Changes in MySQL 8.0”

--oldpackage

Section 2.5.4, “Installing MySQL on Linux Using RPM Packages from Oracle”

ON

Section 3.3.4.9, “Using More Than one Table”

--one-database

Section 4.5.1.1, “mysql Client Options”

--online-migration

Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”

--only-print

Section 4.5.8, “mysqlslap — A Load Emulation Client”

--opbatch

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--opbytes

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--open-files-limit

Section B.3.2.16, “File Not Found and Similar Errors”

Section 2.5.9, “Managing MySQL Server with systemd”

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”

Section 5.1.8, “Server System Variables”

--opt

Section 8.5.5, “Bulk Data Loading for InnoDB Tables”

Section 4.5.4, “mysqldump — A Database Backup Program”

--opt_name

Section 4.2.2.2, “Using Option Files”

--optimize

Section 4.5.3, “mysqlcheck — A Table Maintenance Program”

options

Section 12.17.4, “Functions That Create Geometry Values from WKB Values”

Section 12.17.3, “Functions That Create Geometry Values from WKT Values”

Section 12.17.6, “Geometry Format Conversion Functions”

--order

Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”

--order-by-primary

Section 4.5.4, “mysqldump — A Database Backup Program”

--os-load

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--out-dir

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

--out-file

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

--output-type

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--output-workers

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

P

[\[index top\]](#)

-P

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.2.4, “Connecting to the MySQL Server Using Command Options”](#)

[Section 4.2.1, “Invoking MySQL Programs”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 23.6.8.2, “Using The NDB Cluster Management Client to Create a Backup”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

-p

[Section 6.2.1, “Account User Names and Passwords”](#)

[Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”](#)

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.2.4, “Connecting to the MySQL Server Using Command Options”](#)

[Section 6.1.2.1, “End-User Guidelines for Password Security”](#)

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)

[Section 4.6.2, “innobackupex — Offline InnoDB File Checksum Utility”](#)

[Section 4.2.1, “Invoking MySQL Programs”](#)

[Section 24.2.5, “KEY Partitioning”](#)

[Section 4.6.4.3, “myisamchk Repair Options”](#)

[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)

Section 4.5.1.1, “mysql Client Options”
Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”
Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”
Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 23.5.9, “ndb_desc — Describe NDB Tables”
Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”
Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”
Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”
Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”
Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”
Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”
Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”
Section B.3.2.4, “Password Fails When Entered Interactively”
Section 2.3.4.8, “Starting MySQL as a Windows Service”
Section 2.3.4.6, “Starting MySQL from the Windows Command Line”
Section 2.3.4.9, “Testing The MySQL Installation”
Section 2.9.3, “Testing the Server”
Section 23.6.16.7, “The ndbinfo cluster_operations Table”
Section 23.6.16.54, “The ndbinfo server_operations Table”
Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”
Section 2.10, “Upgrading MySQL”
Section 2.10.10, “Upgrading MySQL on Windows”
Section 4.2.2.1, “Using Options on the Command Line”
Section 2.3.6, “Windows Postinstallation Procedures”

--page

Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”

--page-type-dump

Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”

--page-type-summary

Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”

--pagecnt

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--pager

Section 4.5.1.2, “mysql Client Commands”

Section 4.5.1.1, “mysql Client Options”

--pagesize

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--parallel-recover

Section 4.6.4.3, “myisamchk Repair Options”

Section 1.3, “What Is New in MySQL 8.0”

--parallel-schemas

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--parallelism

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)

[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)

parallelism

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--parsable

[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)

--partition

[Section 1.3, “What Is New in MySQL 8.0”](#)

--passwd

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--password

[Section 6.2.1, “Account User Names and Passwords”](#)

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.2.4, “Connecting to the MySQL Server Using Command Options”](#)

[Section 6.1.2.1, “End-User Guidelines for Password Security”](#)

[Section 7.3, “Example Backup and Recovery Strategy”](#)

[Section 4.2.1, “Invoking MySQL Programs”](#)

[Section 6.4.1.8, “Kerberos Pluggable Authentication”](#)

[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)

[Section 6.2.18, “Multifactor Authentication”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.5.28, “ndb_size.pl — NDBCCLUSTER Size Requirement Estimator”](#)

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

[Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

[Section B.3.2.4, “Password Fails When Entered Interactively”](#)

[Restoring to More Nodes Than the Original](#)

[Section 6.4.1.12, “Test Pluggable Authentication”](#)

[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)

[Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”](#)

[Section 4.2.2.1, “Using Options on the Command Line”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

password

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.2.2.2, “Using Option Files”](#)

--password1

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.2.18, “Multifactor Authentication”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqldadmin — A MySQL Server Administration Program”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--password2

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.2.18, “Multifactor Authentication”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqldadmin — A MySQL Server Administration Program”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--password3

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.2.18, “Multifactor Authentication”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqldadmin — A MySQL Server Administration Program”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--performance-schema-consumer-consumer_name

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-stages-current

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-stages-history

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-stages-history-long

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-statements-cpu

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-statements-current

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-statements-history

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-statements-history-long

[Section 27.14, “Performance Schema Command Options”](#)

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

[Section 27.14, “Performance Schema Command Options”](#)

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

[Section 27.14, “Performance Schema Command Options”](#)

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

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-waits-current

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-waits-history

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-events-waits-history-long

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-global-instrumentation

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-statements-digest

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-consumer-thread-instrumentation

[Section 27.14, “Performance Schema Command Options”](#)

--performance-schema-instrument

[Section 27.14, “Performance Schema Command Options”](#)

[Section 27.3, “Performance Schema Startup Configuration”](#)

--performance-schema-xxx

[Section 5.1.7, “Server Command Options”](#)

--performance_schema_max_mutex_classes

[Section 27.7, “Performance Schema Status Monitoring”](#)

--performance_schema_max_mutex_instances

[Section 27.7, “Performance Schema Status Monitoring”](#)

--pid-file

Section 5.4.2.2, “Default Error Log Destination Configuration”
Section 5.4.2.1, “Error Log Configuration”
Section 2.5.9, “Managing MySQL Server with systemd”
Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”
Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”
Section 5.8, “Running Multiple MySQL Instances on One Machine”
Section 5.1.7, “Server Command Options”

pid-file

Section 4.3.3, “mysql.server — MySQL Server Startup Script”

--pipe

Section 4.2.3, “Command Options for Connecting to the Server”
Section 4.2.4, “Connecting to the MySQL Server Using Command Options”
Section 4.5.1.1, “mysql Client Options”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 2.3.4.9, “Testing The MySQL Installation”

--plugin

Section 5.1.7, “Server Command Options”

--plugin-authentication-kerberos-client-mode

Section 4.5.1.1, “mysql Client Options”
Section 4.5.4, “mysqldump — A Database Backup Program”

--plugin-dir

Section 4.2.3, “Command Options for Connecting to the Server”
Section 6.4.1.8, “Kerberos Pluggable Authentication”
Section 6.4.1.7, “LDAP Pluggable Authentication”
Section 4.5.1.1, “mysql Client Options”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 6.2.17, “Pluggable Authentication”

--plugin-innodb-file-per-table

Section 5.1.7, “Server Command Options”

--plugin-load

Section 6.4.5.11, “Audit Log Reference”
Section 5.6.5.2, “ddl_rewriter Plugin Options”
Section 13.7.4.4, “INSTALL PLUGIN Statement”

[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section 6.4.4.18, “Keyring Command Options”](#)
[Section 6.4.4.3, “Keyring Plugin Installation”](#)
[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 6.4.3.3, “Transitioning to the Password Validation Component”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--plugin-load-add

[Section 6.4.5.11, “Audit Log Reference”](#)
[Section 6.4.2.1, “Connection-Control Plugin Installation”](#)
[Section 5.6.5.2, “ddl_rewriter Plugin Options”](#)
[Section 6.4.1.11, “FIDO Pluggable Authentication”](#)
[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section 5.6.7.1, “Installing the Clone Plugin”](#)
[Section 6.4.1.8, “Kerberos Pluggable Authentication”](#)
[Section 6.4.4.3, “Keyring Plugin Installation”](#)
[Section 6.4.1.7, “LDAP Pluggable Authentication”](#)
[Section 6.4.1.9, “No-Login Pluggable Authentication”](#)
[Section 6.4.1.5, “PAM Pluggable Authentication”](#)
[Section 6.4.3.2, “Password Validation Options and Variables”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 6.4.1.10, “Socket Peer-Credential Pluggable Authentication”](#)
[Section 6.4.1.12, “Test Pluggable Authentication”](#)
[Section 5.6.3.2, “Thread Pool Installation”](#)
[Section 6.4.3.3, “Transitioning to the Password Validation Component”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 6.4.1.6, “Windows Pluggable Authentication”](#)

plugin-load-add

[Section 18.2.1.2, “Configuring an Instance for Group Replication”](#)
[Section 5.6.7.1, “Installing the Clone Plugin”](#)

--plugin-sql-mode

[Section 5.1.7, “Server Command Options”](#)

--plugin-xxx

[Section 5.1.7, “Server Command Options”](#)

--plugin_dir

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

--plugin_name

[Section 5.6.1, “Installing and Uninstalling Plugins”](#)

PLUGIN_OPT_ALLOW_EARLY

[Section 5.1.7, “Server Command Options”](#)

--plugindir

[Section 4.7.1, “mysql_config — Display Options for Compiling Clients”](#)

--polltimeout

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--port

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

Section 4.2.4, “Connecting to the MySQL Server Using Command Options”
Section 4.2.1, “Invoking MySQL Programs”
Section 6.4.1.8, “Kerberos Pluggable Authentication”
Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”
Section 4.5.1.1, “mysql Client Options”
Section 2.8.7, “MySQL Source-Configuration Options”
Section 4.7.1, “mysql_config — Display Options for Compiling Clients”
Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”
Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”
Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”
Section 5.8, “Running Multiple MySQL Instances on One Machine”
Section 5.8.3, “Running Multiple MySQL Instances on Unix”
Section 5.1.7, “Server Command Options”
Section 5.1.8, “Server System Variables”
Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”
Section 2.9.2.1, “Troubleshooting Problems Starting the MySQL Server”
Section 5.8.4, “Using Client Programs in a Multiple-Server Environment”

port

Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”
Section 4.2.2.2, “Using Option Files”

--port-open-timeout

Section 5.1.7, “Server Command Options”

--post-query

Section 4.5.8, “mysqlslap — A Load Emulation Client”

--post-system

Section 4.5.8, “mysqlslap — A Load Emulation Client”

--pre-query

Section 4.5.8, “mysqlslap — A Load Emulation Client”

--pre-system

Section 4.5.8, “mysqlslap — A Load Emulation Client”

PREFIX

Section 23.3.1.4, “Building NDB Cluster from Source on Linux”

--preserve-trailing-spaces

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

--pretty

Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”

--print

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--print-data

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--print-defaults

[Section 4.2.2.3, “Command-Line Options that Affect Option-File Handling”](#)

[Section 4.6.4.1, “myisamchk General Options”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)

[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)

[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”](#)

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)

[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)

[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)

[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)

[Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 2.10.12, “Upgrade Troubleshooting”](#)

--print-full-config

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

--print-header-words

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--print-log

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--print-meta

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--print-restored-rows

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--print-rows

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--print-rows-per-page

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--print-sql-log

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

print-sql-log

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--print-table-metadata

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--print_*

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--progress-frequency

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--promote-attributes

[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--prompt

[Section 4.5.1.2, “mysql Client Commands”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

--protocol

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.2.4, “Connecting to the MySQL Server Using Command Options”](#)

[Section 4.2.7, “Connection Transport Protocols”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

[Section 5.8.3, “Running Multiple MySQL Instances on Unix”](#)

[Section 2.3.4.5, “Starting the Server for the First Time”](#)

[Section 2.3.4.9, “Testing The MySQL Installation”](#)

[Section 1.2.2, “The Main Features of MySQL”](#)
[Section 5.8.4, “Using Client Programs in a Multiple-Server Environment”](#)

Q

[\[index top\]](#)

-Q

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

-q

[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)

--query

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

--query-all

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

--quick

[Section 4.6.4.6, “myisamchk Memory Usage”](#)
[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.1, “mysql — The MySQL Command-Line Client”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section B.3.2.6, “Out of memory”](#)
[Section 7.6.1, “Using myisamchk for Crash Recovery”](#)
[Section 4.2.2.2, “Using Option Files”](#)

--quiet

[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)

--quote-names

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

R

[\[index top\]](#)

-R

[Section 7.6.4, “MyISAM Table Optimization”](#)
[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.4.4, “Other myisamchk Options”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”

-r

Section 7.6.3, “How to Repair MyISAM Tables”
Section 2.2, “Installing MySQL on Unix/Linux Using Generic Binaries”
Section 4.6.4.2, “myisamchk Check Options”
Section 4.6.4.3, “myisamchk Repair Options”
Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”
Section 4.5.1.1, “mysql Client Options”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”
Section 23.5.9, “ndb_desc — Describe NDB Tables”
Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”
Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”
Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”
Section 5.1.7, “Server Command Options”

--raw

Section 4.5.1.1, “mysql Client Options”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”
Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”

--read-from-remote-master

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 6.2.2, “Privileges Provided by MySQL”
Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”

--read-from-remote-server

Section 17.3.2, “Encrypting Binary Log Files and Relay Log Files”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 7.5.1, “Point-in-Time Recovery Using Binary Log”
Section 6.2.2, “Privileges Provided by MySQL”
Section 4.6.9.4, “Specifying the mysqlbinlog Server ID”
Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”
Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”

--read-from-remote-source

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 6.2.2, “Privileges Provided by MySQL”
Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”

--read-only

Section 4.6.4.2, “myisamchk Check Options”

--real_table_name

Section 23.5.28, “ndb_size.pl — NDBCLUSTER Size Requirement Estimator”

--rebuild-indexes

Section 23.4.3.6, “Defining NDB Cluster Data Nodes”
Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--reconnect

Section 4.5.1.1, “mysql Client Options”

--recover

Section 4.6.4.2, “myisamchk Check Options”

Section 4.6.4.1, “myisamchk General Options”

Section 4.6.4.6, “myisamchk Memory Usage”

Section 4.6.4.3, “myisamchk Repair Options”

--rejects

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--relative

Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”

--relay-log

Section 17.2.2.3, “Startup Options and Replication Channels”

Section 18.5.6, “Using MySQL Enterprise Backup with Group Replication”

--relay-log-index

Section 17.2.2.3, “Startup Options and Replication Channels”

--relay-log-purge

Section 17.1.6.3, “Replica Server Options and Variables”

--relay-log-recovery

Section 17.4.2, “Handling an Unexpected Halt of a Replica”

Section 17.1.6.3, “Replica Server Options and Variables”

Section 17.5.1.34, “Replication and Transaction Inconsistencies”

Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”

Section 5.1.19, “The Server Shutdown Process”

--relay-log-space-limit

Section 17.1.6.3, “Replica Server Options and Variables”

Section 17.2.2.3, “Startup Options and Replication Channels”

--reload

Section 23.6.7.2, “Adding NDB Cluster Data Nodes Online: Basic procedure”

Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”

Section 23.3.4, “Initial Startup of NDB Cluster”

Section 23.3.2.3, “Initial Startup of NDB Cluster on Windows”

Section 23.2.7.10, “Limitations Relating to Multiple NDB Cluster Nodes”

Section 23.4.3, “NDB Cluster Configuration Files”

Section 23.6.14.1, “NDB File System Encryption Setup and Usage”

Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”

Section 23.6.5, “Performing a Rolling Restart of an NDB Cluster”

--remap-column

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--remove

Section 23.3.2.4, “Installing NDB Cluster Processes as Windows Services”

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.8.2.2, “Starting Multiple MySQL Instances as Windows Services”](#)
[Section 2.3.4.8, “Starting MySQL as a Windows Service”](#)

remove

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)

--repair

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

--replace

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--replica-net-timeout

[Section 17.2.2.3, “Startup Options and Replication Channels”](#)

--replica-parallel-type

[Section 1.3, “What Is New in MySQL 8.0”](#)

--replica-parallel-workers

[Section 17.2.2.3, “Startup Options and Replication Channels”](#)

--replica-skip-counter

[Section 17.2.2.3, “Startup Options and Replication Channels”](#)

--replicate-*

[Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”](#)
[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.2.5.4, “Replication Channel Based Filters”](#)
[Section 27.12.11.10, “The replication_applier_filters Table”](#)
[Section 27.12.11.9, “The replication_applier_global_filters Table”](#)

--replicate-*-db

[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)

--replicate-do-*

[Section 23.7.3, “Known Issues in NDB Cluster Replication”](#)

--replicate-do-db

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”](#)
[Section 17.2.5.1, “Evaluation of Database-Level Replication and Binary Logging Options”](#)
[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)
[Section 23.7.3, “Known Issues in NDB Cluster Replication”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.4.6, “Replicating Different Databases to Different Replicas”](#)
[Section 17.5.1.26, “Replication and Reserved Words”](#)
[Section 17.5.1.31, “Replication and Temporary Tables”](#)

Section 17.2.5.4, “Replication Channel Based Filters”
Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”
Section 13.3.1, “START TRANSACTION, COMMIT, and ROLLBACK Statements”
Section 5.4.4, “The Binary Log”
Section 1.3, “What Is New in MySQL 8.0”
Section 13.3.8.1, “XA Transaction SQL Statements”

--replicate-do-db:channel_1:db_name

Section 17.1.6.3, “Replica Server Options and Variables”

--replicate-do-table

Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”
Section 17.2.5.2, “Evaluation of Table-Level Replication Options”
Section 17.2.5.3, “Interactions Between Replication Filtering Options”
Section 23.7.3, “Known Issues in NDB Cluster Replication”
Section 17.1.6.3, “Replica Server Options and Variables”
Section 17.5.1.26, “Replication and Reserved Words”
Section 17.5.1.31, “Replication and Temporary Tables”
Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”
Section 16.6, “The BLACKHOLE Storage Engine”

--replicate-do-table:channel_1:db_name.tbl_name

Section 17.1.6.3, “Replica Server Options and Variables”

--replicate-ignore-*

Section 23.7.3, “Known Issues in NDB Cluster Replication”

--replicate-ignore-db

Section 17.1.6.4, “Binary Logging Options and Variables”
Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”
Section 17.2.5.1, “Evaluation of Database-Level Replication and Binary Logging Options”
Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”
Section 17.2.5.3, “Interactions Between Replication Filtering Options”
Section 23.7.3, “Known Issues in NDB Cluster Replication”
Section 17.1.6.3, “Replica Server Options and Variables”
Section 17.5.1.26, “Replication and Reserved Words”
Section 17.2.5.4, “Replication Channel Based Filters”
Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”
Section 13.3.1, “START TRANSACTION, COMMIT, and ROLLBACK Statements”
Section 5.4.4, “The Binary Log”
Section 1.3, “What Is New in MySQL 8.0”
Section 13.3.8.1, “XA Transaction SQL Statements”

--replicate-ignore-db:channel_1:db_name

Section 17.1.6.3, “Replica Server Options and Variables”

--replicate-ignore-table

Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”
Section 17.2.5.2, “Evaluation of Table-Level Replication Options”
Section 23.7.3, “Known Issues in NDB Cluster Replication”
Section 17.1.6.3, “Replica Server Options and Variables”
Section 17.5.1.26, “Replication and Reserved Words”
Section 17.5.1.31, “Replication and Temporary Tables”
Section 13.4.2.5, “RESET REPLICAS Statement”
Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”
Section 16.6, “The BLACKHOLE Storage Engine”

--replicate-ignore-table:channel_1:db_name.tbl_name

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

--replicate-rewrite-db

[Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”](#)

[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

--replicate-same-server-id

[Section 13.4.2.1, “CHANGE MASTER TO Statement”](#)

[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)

[Section 17.1.4.3, “Disabling GTID Transactions Online”](#)

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

[Section 17.1.6, “Replication and Binary Logging Options and Variables”](#)

--replicate-wild-*-table

[Section 17.2.5.4, “Replication Channel Based Filters”](#)

--replicate-wild-do-table

[Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”](#)

[Section 17.2.5.2, “Evaluation of Table-Level Replication Options”](#)

[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

[Section 17.4.6, “Replicating Different Databases to Different Replicas”](#)

[Section 17.5.1.31, “Replication and Temporary Tables”](#)

[Section 17.2.5.4, “Replication Channel Based Filters”](#)

[Section 25.8, “Restrictions on Stored Programs”](#)

[Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”](#)

--replicate-wild-do-table:channel_1:db_name.tbl_name

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

--replicate-wild-ignore-table

[Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”](#)

[Section 17.2.5.2, “Evaluation of Table-Level Replication Options”](#)

[Section 23.7.3, “Known Issues in NDB Cluster Replication”](#)

[Section A.14, “MySQL 8.0 FAQ: Replication”](#)

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

[Section 17.5.1.31, “Replication and Temporary Tables”](#)

[Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”](#)

--replicate-wild-ignore:channel_1:db_name.tbl_name

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

replication-ignore-table

[Section 17.5.1.40, “Replication and Views”](#)

--report-host

[Section 17.1.7.1, “Checking Replication Status”](#)

[Section 18.10, “Frequently Asked Questions”](#)

[Section 13.7.7.33, “SHOW REPLICAS Statement”](#)

--report-password

[Section 17.1.6.2, “Replication Source Options and Variables”](#)

[Section 13.7.7.33, “SHOW REPLICAS Statement”](#)

--report-port

Section 13.7.7.33, “SHOW REPLICAS Statement”

--report-user

Section 17.1.6.2, “Replication Source Options and Variables”

Section 13.7.7.33, “SHOW REPLICAS Statement”

--require-row-format

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

Section 17.3.3, “Replication Privilege Checks”

--restart

Section 2.5.6.1, “Basic Steps for MySQL Server Deployment with Docker”

--restore-data

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

Restoring an NDB backup to a previous version of NDB Cluster

Restoring to Fewer Nodes Than the Original

Section 23.2.4, “What is New in MySQL NDB Cluster”

--restore-epoch

Section 23.7.9, “NDB Cluster Backups With NDB Cluster Replication”

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

Section 23.7.9.2, “Point-In-Time Recovery Using NDB Cluster Replication”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--restore-meta

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

Restoring an NDB backup to a later version of NDB Cluster

Restoring to More Nodes Than the Original

--restore-privilege-tables

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

Section 23.2.4, “What is New in MySQL NDB Cluster”

--result-file

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

Section 4.5.4, “mysqldump — A Database Backup Program”

Section 4.5.6, “mysqlpump — A Database Backup Program”

Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”

--resume

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--retries

Section 23.5.9, “ndb_desc — Describe NDB Tables”

--rewrite-database

Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”

--rewrite-db

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

--rm

Section 2.5.6.2, “More Topics on Deploying MySQL Server with Docker”

--routines

[Section 14.7, “Data Dictionary Usage Differences”](#)
[Section 7.4.5.3, “Dumping Stored Programs”](#)
[Section 7.4.5.4, “Dumping Table Definitions and Content Separately”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 2.10.6, “Upgrading MySQL Binary or Package-based Installations on Unix/Linux”](#)
[Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”](#)

--rowbatch

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--rowbytes

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--rowid

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--rowid-file

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--rows

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

S

[\[index top\]](#)

-S

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 4.2.1, “Invoking MySQL Programs”](#)
[Section 7.6.4, “MyISAM Table Optimization”](#)
[Section 4.5.1.2, “mysql Client Commands”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 4.6.4.4, “Other myisamchk Options”](#)

-S

[Section 7.6.2, “How to Check MyISAM Tables for Errors”](#)
[Section 7.6.3, “How to Repair MyISAM Tables”](#)
[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Section 2.2, “Installing MySQL on Unix/Linux Using Generic Binaries”](#)

Section 4.7.2, “`my_print_defaults` — Display Options from Option Files”
Section 4.6.3, “`myisam_ftdump` — Display Full-Text Index information”
Section 4.6.4.1, “`myisamchk` General Options”
Section 4.6.6, “`mysampack` — Generate Compressed, Read-Only MyISAM Tables”
Section 4.5.1.1, “`mysql` Client Options”
Section 4.4.5, “`mysql_upgrade` — Check and Upgrade MySQL Tables”
Section 4.5.2, “`mysqladmin` — A MySQL Server Administration Program”
Section 4.6.9, “`mysqlbinlog` — Utility for Processing Binary Log Files”
Section 4.5.3, “`mysqlcheck` — A Table Maintenance Program”
Section 4.6.10, “`mysqldumpslow` — Summarize Slow Query Log Files”
Section 4.5.5, “`mysqlimport` — A Data Import Program”
Section 4.5.8, “`mysqlslap` — A Load Emulation Client”
Section 23.5.16, “`ndb_perror` — Obtain NDB Error Message Information”
Section 23.5.23, “`ndb_restore` — Restore an NDB Cluster Backup”
Section 23.5.29, “`ndb_top` — View CPU usage information for NDB threads”
Section 4.8.2, “`perror` — Display MySQL Error Message Information”
Section 7.6.5, “Setting Up a MyISAM Table Maintenance Schedule”

--safe-recover

Section 4.6.4.1, “`myisamchk` General Options”
Section 4.6.4.6, “`myisamchk` Memory Usage”
Section 4.6.4.3, “`myisamchk` Repair Options”

--safe-updates

Section 4.5.1.2, “`mysql` Client Commands”
Section 4.5.1.1, “`mysql` Client Options”
Section 4.5.1.6, “`mysql` Client Tips”
Section 5.1.8, “Server System Variables”

--safe-user-create

Section 5.1.7, “Server Command Options”

--savequeries

Section 23.5.28, “`ndb_size.pl` — NDBCLUSTER Size Requirement Estimator”

--secure-auth

Section 6.2.17, “Pluggable Authentication”
Section 1.3, “What Is New in MySQL 8.0”

--select-limit

Section 4.5.1.1, “`mysql` Client Options”
Section 4.5.1.6, “`mysql` Client Tips”

--server-arg

Section 1.3, “What Is New in MySQL 8.0”

--server-file

Section 1.3, “What Is New in MySQL 8.0”

--server-id

Section 23.7.2, “General Requirements for NDB Cluster Replication”
Section 4.6.9, “`mysqlbinlog` — Utility for Processing Binary Log Files”
Section 13.7.7.33, “SHOW REPLICAS Statement”

--server-id-bits

Section 4.6.9, “`mysqlbinlog` — Utility for Processing Binary Log Files”

--server-public-key-path

Section 6.4.1.2, “Caching SHA-2 Pluggable Authentication”
Section 4.2.3, “Command Options for Connecting to the Server”
Section 4.5.1.1, “mysql Client Options”
Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 6.4.1.3, “SHA-256 Pluggable Authentication”

service-startup-timeout

Section 4.3.3, “mysql.server — MySQL Server Startup Script”

--set

Section 2.3.3.5, “MySQL Installer Console Reference”

set

Section 2.3.3.5, “MySQL Installer Console Reference”

--set-auto-increment

Section 4.6.4.4, “Other myisamchk Options”

--set-charset

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”

--set-collation

Section 4.6.4.3, “myisamchk Repair Options”

--set-gtid-purged

Section 2.10.14, “Copying MySQL Databases to Another Machine”
Creating a Data Snapshot Using mysqldump
Section 7.4.1, “Dumping Data in SQL Format with mysqldump”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 17.1.3.8, “Stored Function Examples to Manipulate GTIDs”
Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”

--shared-memory-base-name

Section 4.2.3, “Command Options for Connecting to the Server”
Section 4.5.1.1, “mysql Client Options”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”

[Section 5.8, “Running Multiple MySQL Instances on One Machine”](#)
[Section 5.8.4, “Using Client Programs in a Multiple-Server Environment”](#)

--short-form

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--show

[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)

--show-create-skip-secondary-engine

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 5.1.8, “Server System Variables”](#)

--show-ignored-rows

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

--show-replica-auth-info

[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.1.6.2, “Replication Source Options and Variables”](#)
[Section 13.7.7.33, “SHOW REPLICAS Statement”](#)

--show-slave-auth-info

[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.1.6.2, “Replication Source Options and Variables”](#)
[Section 13.7.7.33, “SHOW REPLICAS Statement”](#)

--show-table-type

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

--show-temp-status

[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)

--show-warnings

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

--shutdown-timeout

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

--sigint-ignore

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.10, “Unix Signal Handling in MySQL”](#)

--silent

[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)
[Section 4.8.2, “perror — Display MySQL Error Message Information”](#)
[Section 7.6.5, “Setting Up a MyISAM Table Maintenance Schedule”](#)

--single-transaction

[Section 7.2, “Database Backup Methods”](#)
[Section 7.3.1, “Establishing a Backup Policy”](#)
[Section 15.18.1, “InnoDB Backup”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 15.8.9, “Purge Configuration”](#)

--single-user

[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)

--skip

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.2.2.4, “Program Option Modifiers”](#)
[Section 5.1.7, “Server Command Options”](#)

--skip-add-drop-table

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--skip-add-locks

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--skip-admin-ssl

[Section 5.1.7, “Server Command Options”](#)

--skip-auto-rehash

[Section 4.5.1.1, “mysql Client Options”](#)

--skip-binary-as-hex

[Section 4.5.1.1, “mysql Client Options”](#)

--skip-binlog

[Section 18.5.6, “Using MySQL Enterprise Backup with Group Replication”](#)

--skip-broken-objects

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--skip-character-set-client-handshake

[Section A.11, “MySQL 8.0 FAQ: MySQL Chinese, Japanese, and Korean Character Sets”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 10.10.7.1, “The cp932 Character Set”](#)

--skip-color

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--skip-colors

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--skip-column-names

[Section 4.5.1.1, “mysql Client Options”](#)

--skip-comments

[Section 4.5.1.1, “mysql Client Options”](#)

Section 4.5.4, “mysqldump — A Database Backup Program”

--skip-config-cache

Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”

--skip-config-file

Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”

--skip-data

Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”

--skip-database

Section 4.5.3, “mysqlcheck — A Table Maintenance Program”

--skip-defer-table-indexes

Section 4.5.6, “mysqlpump — A Database Backup Program”

--skip-definer

Section 4.5.6, “mysqlpump — A Database Backup Program”

--skip-disable-keys

Section 4.5.4, “mysqldump — A Database Backup Program”

--skip-dump-date

Section 4.5.4, “mysqldump — A Database Backup Program”

--skip-dump-rows

Section 4.5.6, “mysqlpump — A Database Backup Program”

--skip-engine_name

Section 13.7.7.16, “SHOW ENGINES Statement”

Section 26.3.13, “The INFORMATION_SCHEMA ENGINES Table”

--skip-events

Section 7.4.5.3, “Dumping Stored Programs”

Section 4.5.6, “mysqlpump — A Database Backup Program”

--skip-extended-insert

Section 4.5.4, “mysqldump — A Database Backup Program”

--skip-external-locking

Section 8.11.5, “External Locking”

Section 8.14.3, “General Thread States”

Section 5.1.7, “Server Command Options”

Section 5.1.8, “Server System Variables”

Section B.3.3.3, “What to Do If MySQL Keeps Crashing”

--skip-federated

Section 17.4.4, “Using Replication with Different Source and Replica Storage Engines”

--skip-generated-invisible-primary-key

Section 13.1.20.11, “Generated Invisible Primary Keys”

Section 4.5.4, “mysqldump — A Database Backup Program”

Section 4.5.6, “mysqlpump — A Database Backup Program”

Section 1.3, “What Is New in MySQL 8.0”

--skip-grant-tables

[Section 13.7.4.1, “CREATE FUNCTION Statement for Loadable Functions”](#)
[Section 25.4.2, “Event Scheduler Configuration”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.4.3, “INSTALL COMPONENT Statement”](#)
[Section 13.7.4.4, “INSTALL PLUGIN Statement”](#)
[Section 5.5.1, “Installing and Uninstalling Components”](#)
[Section 5.7.1, “Installing and Uninstalling Loadable Functions”](#)
[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 6.2.15, “Password Management”](#)
[Section 6.2.17, “Pluggable Authentication”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Resetting the Root Password: Generic Instructions](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 26.3.46, “The INFORMATION_SCHEMA USER_ATTRIBUTES Table”](#)
[Section 5.3, “The mysql System Schema”](#)
[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)
[Section 6.2.13, “When Privilege Changes Take Effect”](#)

--skip-graphs

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--skip-gtids

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--skip-host-cache

[Section 5.1.12.3, “DNS Lookups and the Host Cache”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--skip-innodb

[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section A.14, “MySQL 8.0 FAQ: Replication”](#)
[Section 5.1.7, “Server Command Options”](#)

--skip-innodb-adaptive-hash-index

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

--skip-kill-mysqld

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--skip-line-numbers

[Section 4.5.1.1, “mysql Client Options”](#)

--skip-lock-tables

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--skip-log-bin

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)

[Section 17.1.3.1, “GTID Format and Storage”](#)
[Section 5.4.4.2, “Setting The Binary Log Format”](#)
[Section 17.1.2.2, “Setting the Replica Configuration”](#)
[Section 17.1.2.1, “Setting the Replication Source Configuration”](#)
[Section 17.1.3.4, “Setting Up Replication Using GTIDs”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 5.4.4, “The Binary Log”](#)
[Section 17.5.4, “Troubleshooting Replication”](#)
[Section 17.5.3, “Upgrading a Replication Topology”](#)

--skip-mysqlx

[Section 20.5.2, “Disabling X Plugin”](#)

--skip-named-commands

[Section 4.5.1.1, “mysql Client Options”](#)

--skip-ndb-optimized-node-selection

MySQL Server Options for NDB Cluster

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)

--skip-ndbcluster

MySQL Server Options for NDB Cluster

[Section 23.4.2.5, “NDB Cluster mysqld Option and Variable Reference”](#)

--skip-network-timeout

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--skip-new

[Section 5.9.1, “Debugging a MySQL Server”](#)

[Section 13.7.3.4, “OPTIMIZE TABLE Statement”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 5.1.8, “Server System Variables”](#)

--skip-nodegroup

[Section 23.5.12, “ndb_error_reporter — NDB Error-Reporting Utility”](#)

--skip-opt

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--skip-pager

[Section 4.5.1.1, “mysql Client Options”](#)

--skip-partition

[Section 1.3, “What Is New in MySQL 8.0”](#)

--skip-password

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.2.4, “Connecting to the MySQL Server Using Command Options”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

[Section 4.4.5, “mysqldump — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--skip-password1

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--skip-plugin-innodb-file-per-table

[Section 5.1.7, “Server Command Options”](#)

--skip-plugin_name

[Section 5.6.1, “Installing and Uninstalling Plugins”](#)

--skip-quick

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--skip-quote-names

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

--skip-reconnect

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.1.6, “mysql Client Tips”](#)

--skip-relaylog

[Section 18.5.6, “Using MySQL Enterprise Backup with Group Replication”](#)

--skip-replica-start

[Section 23.7.5, “Preparing the NDB Cluster for Replication”](#)

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

[Section 17.1.3.4, “Setting Up Replication Using GTIDs”](#)

[Section 23.7.6, “Starting NDB Cluster Replication \(Single Replication Channel\)”](#)
[Section 17.2.2.3, “Startup Options and Replication Channels”](#)

--skip-routines

[Section 7.4.5.3, “Dumping Stored Programs”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--skip-safe-updates

[Section 4.5.1.1, “mysql Client Options”](#)

--skip-set-charset

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--skip-show-database

[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 13.7.7.14, “SHOW DATABASES Statement”](#)
[Section 1.7.5, “Supporters of MySQL”](#)

--skip-slave-preserve-commit-order

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 5.4.4, “The Binary Log”](#)

--skip-slave-start

[Section 17.1.2.8, “Adding Replicas to a Replication Environment”](#)
[Section 23.7.9, “NDB Cluster Backups With NDB Cluster Replication”](#)
[Section 23.7.5, “Preparing the NDB Cluster for Replication”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.1.3.4, “Setting Up Replication Using GTIDs”](#)
Setting Up Replication with Existing Data
[Section 13.4.2.8, “START REPLICA Statement”](#)
[Section 23.7.6, “Starting NDB Cluster Replication \(Single Replication Channel\)”](#)
[Section 17.2.2.3, “Startup Options and Replication Channels”](#)
[Section 17.5.4, “Troubleshooting Replication”](#)
[Section 17.5.3, “Upgrading a Replication Topology”](#)

--skip-sort

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--skip-ssl

[Section 18.6.1, “Communication Stack for Connection Security Management”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--skip-stack-trace

[Section 5.9.1.4, “Debugging mysqld under gdb”](#)
[Section 5.1.7, “Server Command Options”](#)

--skip-super-large-pages

[Section 8.12.3.3, “Enabling Large Page Support”](#)
[Section 5.1.7, “Server Command Options”](#)

--skip-symbolic-links

[Section 13.1.20, “CREATE TABLE Statement”](#)

[Section 6.1.3, “Making MySQL Secure Against Attackers”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 8.12.2.3, “Using Symbolic Links for Databases on Windows”](#)
[Section 8.12.2.2, “Using Symbolic Links for MyISAM Tables on Unix”](#)

--skip-sys-schema

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 2.10.3, “What the MySQL Upgrade Process Upgrades”](#)

--skip-syslog

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--skip-table-check

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--skip-triggers

[Section 7.4.5.3, “Dumping Stored Programs”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--skip-tz-utc

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--skip-unknown-objects

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--skip-version-check

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

--skip-warn

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)

--skip-watch-progress

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--skip-write-binlog

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

--skip_grant_tables

[Section 4.2.2.1, “Using Options on the Command Line”](#)

--slave-net-timeout

[Section 17.2.2.3, “Startup Options and Replication Channels”](#)

--slave-parallel-workers

[Section 17.2.2.3, “Startup Options and Replication Channels”](#)

--slave-preserve-commit-order

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 5.4.4, ‘The Binary Log’](#)

--slave-skip-counter

[Section 17.2.2.3, “Startup Options and Replication Channels”](#)

--slave-skip-errors

[Section 23.7.8, “Implementing Failover with NDB Cluster Replication”](#)
[MySQL Server Options for NDB Cluster](#)
[Section 17.5.1.29, “Replica Errors During Replication”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)

--slave-sql-verify-checksum

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)

--sleep

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

--sleep-time

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--slice-id

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

slice-id

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--slow-start-timeout

[Section 5.1.7, “Server Command Options”](#)

--slow_query_log

[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)
[Section 5.4.5, “The Slow Query Log”](#)

--slow_query_log_file

[Section 5.8, “Running Multiple MySQL Instances on One Machine”](#)
[Section 5.4.5, “The Slow Query Log”](#)

--socket

[Section B.3.2.2, “Can't connect to \[local\] MySQL server”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 4.2.4, “Connecting to the MySQL Server Using Command Options”](#)
[Section 2.5.6.3, “Deploying MySQL on Windows and Other Non-Linux Platforms with Docker”](#)
[Section B.3.3.6, “How to Protect or Change the MySQL Unix Socket File”](#)
[Section 4.2.1, “Invoking MySQL Programs”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 4.7.1, “mysql_config — Display Options for Compiling Clients”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 23.5.28, “ndb_size.pl — NDBCLUSTER Size Requirement Estimator”
Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”
Section 5.8, “Running Multiple MySQL Instances on One Machine”
Section 5.8.3, “Running Multiple MySQL Instances on Unix”
Section 5.1.7, “Server Command Options”
Section 2.3.4.9, “Testing The MySQL Installation”
Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”
Section 5.8.4, “Using Client Programs in a Multiple-Server Environment”

socket

Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”
Section 4.2.2.2, “Using Option Files”

--sort

Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”

--sort-index

Section 7.6.4, “MyISAM Table Optimization”
Section 4.6.4.4, “Other myisamchk Options”

--sort-records

Section 7.6.4, “MyISAM Table Optimization”
Section 4.6.4.4, “Other myisamchk Options”

--sort-recover

Section 4.6.4.1, “myisamchk General Options”
Section 4.6.4.6, “myisamchk Memory Usage”
Section 4.6.4.3, “myisamchk Repair Options”

--sort_buffer_size

Section 5.1.7, “Server Command Options”

--source-data

Section 4.5.4, “mysqldump — A Database Backup Program”

--source-keyring

Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”
Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”

--source-keyring-configuration-dir

Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”

--sporadic-binlog-dump-fail

Section 17.1.6.4, “Binary Logging Options and Variables”

--sql-mode

Chapter 12, *Functions and Operators*
Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 5.1.7, “Server Command Options”
Section 5.1.11, “Server SQL Modes”

sql-mode

[Section 5.1.11, “Server SQL Modes”](#)

--ssl

[Section 5.1.12.2, “Administrative Connection Management”](#)
[Section 18.6.1, “Communication Stack for Connection Security Management”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 6.3.3.1, “Creating SSL and RSA Certificates and Keys using MySQL”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--ssl*

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--ssl-ca

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 6.3.3.2, “Creating SSL Certificates and Keys Using openssl”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 5.1.9.4, “Nonpersistible and Persist-Restricted System Variables”](#)
[Section 5.1.7, “Server Command Options”](#)

--ssl-capath

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 5.1.7, “Server Command Options”](#)

--ssl-cert

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 6.3.3.2, “Creating SSL Certificates and Keys Using openssl”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 5.1.9.4, “Nonpersistible and Persist-Restricted System Variables”](#)

--ssl-cipher

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 6.3.2, “Encrypted Connection TLS Protocols and Ciphers”](#)

--ssl-crl

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)

--ssl-crlpath

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)

--ssl-fips-mode

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.8, “FIPS Support”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--ssl-key

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 6.3.3.2, “Creating SSL Certificates and Keys Using openssl”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 5.1.9.4, “Nonpersistible and Persist-Restricted System Variables”](#)

--ssl-mode

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 4.2.5, “Connecting to the Server Using URI-Like Strings or Key-Value Pairs”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 6.3.2, “Encrypted Connection TLS Protocols and Ciphers”](#)
[Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”](#)
[Section 17.3.1, “Setting Up Replication to Use Encrypted Connections”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

--ssl-session-data

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

Section 6.3.5, “Reusing SSL Sessions”

--ssl-session-data-continue-on-failed-reuse

Section 4.2.3, “Command Options for Connecting to the Server”

Section 6.3.5, “Reusing SSL Sessions”

ssl-session-data-continue-on-failed-reuse

Section 4.2.3, “Command Options for Connecting to the Server”

--ssl-verify-server-cert

Section 17.3.1, “Setting Up Replication to Use Encrypted Connections”

Section 1.3, “What Is New in MySQL 8.0”

--ssl-xxx

Section 4.2.3, “Command Options for Connecting to the Server”

Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”

Section 2.8.6, “Configuring SSL Library Support”

Section 4.5.1.1, “mysql Client Options”

Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”

Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”

Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”

Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

Section 4.5.3, “mysqlcheck — A Table Maintenance Program”

Section 4.5.4, “mysqldump — A Database Backup Program”

Section 4.5.5, “mysqlimport — A Data Import Program”

Section 4.5.6, “mysqlpump — A Database Backup Program”

Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”

Section 4.5.8, “mysqlslap — A Load Emulation Client”

Section 17.3.1, “Setting Up Replication to Use Encrypted Connections”

--staging-tries

Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”

--standalone

Section 5.9.1.2, “Creating Trace Files”

Section 5.1.7, “Server Command Options”

Section 2.3.4.6, “Starting MySQL from the Windows Command Line”

--start-datetime

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

Section 7.5.2, “Point-in-Time Recovery Using Event Positions”

--start-page

Section 4.6.2, “innorechecksum — Offline InnoDB File Checksum Utility”

--start-position

Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”

Section 7.5.2, “Point-in-Time Recovery Using Event Positions”

--state-dir

Section 23.5.13, “ndb_import — Import CSV Data Into NDB”

--stats

Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--status

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

status

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)

--stop-datetime

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 7.5.2, “Point-in-Time Recovery Using Event Positions”](#)

--stop-never

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.6.9.4, “Specifying the mysqlbinlog Server ID”](#)

[Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”](#)

--stop-never-slave-server-id

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--stop-position

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 7.5.2, “Point-in-Time Recovery Using Event Positions”](#)

--strict-check

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)

[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)

--suffix

[Section 6.3.3.1, “Creating SSL and RSA Certificates and Keys using MySQL”](#)

[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)

--super-large-pages

[Section 8.12.3.3, “Enabling Large Page Support”](#)

[Section 5.1.7, “Server Command Options”](#)

--symbolic-links

[Section 5.1.7, “Server Command Options”](#)

[Section 5.1.8, “Server System Variables”](#)

[Section 8.12.2.2, “Using Symbolic Links for MyISAM Tables on Unix”](#)

--sys-*

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

--sys-check

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

--sys-create

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

--sys-create-if-not-exist

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

--sys-create-if-not-valid

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

--sys-drop

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

--sys-skip-events

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

--sys-skip-tables

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

SYSCONFDIR

[Section 4.2.2.2, “Using Option Files”](#)

--sysdate-is-now

[Section 17.2.1.1, “Advantages and Disadvantages of Statement-Based and Row-Based Replication”](#)

[Section 12.7, “Date and Time Functions”](#)

[Section 17.5.1.14, “Replication and System Functions”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 5.1.8, “Server System Variables”](#)

--syslog

[Section 4.9, “Environment Variables”](#)

[Section 2.5.9, “Managing MySQL Server with systemd”](#)

[Section 4.5.1.3, “mysql Client Logging”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.1.6, “mysql Client Tips”](#)

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--syslog-tag

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

--system

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

T

[\[index top\]](#)

-T

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

[Section 4.6.4.2, “myisamchk Check Options”](#)

[Section 4.6.6, “mysampack — Generate Compressed, Read-Only MyISAM Tables”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 5.1.7, “Server Command Options”](#)

-t

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)

Section 4.6.4.3, “myisamchk Repair Options”
Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”
Section 4.5.1.1, “mysql Client Options”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”
Section 23.5.9, “ndb_desc — Describe NDB Tables”
Section 23.5.13, “ndb_import — Import CSV Data Into NDB”
Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”
Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”
Section 23.5.22, “ndb_redo_log_reader — Check and Print Content of Cluster Redo Log”
Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”
Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”
Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”
Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”
Section 5.1.7, “Server Command Options”
Section 23.2.4, “What is New in MySQL NDB Cluster”

--tab

Section 7.1, “Backup and Recovery Types”
Section 7.2, “Database Backup Methods”
Section 7.4.3, “Dumping Data in Delimited-Text Format with mysqldump”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 23.5.13, “ndb_import — Import CSV Data Into NDB”
Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”
Section 7.4, “Using mysqldump for Backups”

--table

Section 4.5.1.1, “mysql Client Options”
Section 23.5.9, “ndb_desc — Describe NDB Tables”
Section 23.5.13, “ndb_import — Import CSV Data Into NDB”
Section 23.2.4, “What is New in MySQL NDB Cluster”

--table-id

Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”

--tables

Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”

--tc-heuristic-recover

Section 5.1.7, “Server Command Options”

--tcp-ip

Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”

--tee

Section 4.5.1.2, “mysql Client Commands”
Section 4.5.1.1, “mysql Client Options”

--temp-pool

Section 1.3, “What Is New in MySQL 8.0”

--tempdelay

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--temperrors

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

--test

[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)

Text

[Section 1.1, “About This Manual”](#)

--text

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

--thread_cache_size

[Section 5.9.1.4, “Debugging mysqld under gdb”](#)

--timeout

[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)

--timestamp-printouts

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--timestamp-printouts{

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

--timezone

[Section 5.1.15, “MySQL Server Time Zone Support”](#)

[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)

[Section 5.1.8, “Server System Variables”](#)

[Section B.3.3.7, “Time Zone Problems”](#)

--tls-ciphersuites

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)

[Section 6.3.2, “Encrypted Connection TLS Protocols and Ciphers”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--tls-version

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)

[Section 6.3.2, “Encrypted Connection TLS Protocols and Ciphers”](#)

[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

--tmpdir

[Section B.3.2.11, “Can’t create/write to file”](#)
[Section 4.6.4.6, “myisamchk Memory Usage”](#)
[Section 4.6.4.3, “myisamchk Repair Options”](#)
[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 5.8, “Running Multiple MySQL Instances on One Machine”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 2.3.4.8, “Starting MySQL as a Windows Service”](#)
[Section B.3.3.5, “Where MySQL Stores Temporary Files”](#)

tmpdir

[Section 2.3, “Installing MySQL on Microsoft Windows”](#)

--to-last-log

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.6.9.4, “Specifying the mysqlbinlog Server ID”](#)
[Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”](#)

--transaction-isolation

[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.3.7, “SET TRANSACTION Statement”](#)
[Section 15.7.2.1, “Transaction Isolation Levels”](#)

--transaction-read-only

[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.3.7, “SET TRANSACTION Statement”](#)

--transactional

[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)

--triggers

[Section 7.4.5.3, “Dumping Stored Programs”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

--try-reconnect

[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)

--tupscan

[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--type

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)

--tz-utc

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

U

[\[index top\]](#)

-U

[Section 4.6.4.2, “myisamchk Check Options”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

-u

[Section 6.2.1, “Account User Names and Passwords”](#)

[Section 4.2.3, “Command Options for Connecting to the Server”](#)

[Section 4.2.1, “Invoking MySQL Programs”](#)

[Section 4.6.4.3, “myisamchk Repair Options”](#)

[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)

[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)

[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)

[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 2.3.4.9, “Testing The MySQL Installation”](#)

[Section 2.9.3, “Testing the Server”](#)

[Section 2.10, “Upgrading MySQL”](#)

[Section 2.3.6, “Windows Postinstallation Procedures”](#)

--uid

[Section 6.3.3.1, “Creating SSL and RSA Certificates and Keys using MySQL”](#)

[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)

--unbuffered

[Section 4.5.1.1, “mysql Client Options”](#)

--unpack

[Section 16.2.3, “MyISAM Table Storage Formats”](#)

[Section 4.6.4.3, “myisamchk Repair Options”](#)

[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)

--unqualified

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)

--update

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

update

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)

--update-state

[Section 7.6.3, “How to Repair MyISAM Tables”](#)

[Section 4.6.4.2, “myisamchk Check Options”](#)

[Section 16.2, “The MyISAM Storage Engine”](#)

--upgrade

[Section 2.10.4, “Changes in MySQL 8.0”](#)

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)

[Section 2.3.3.4, “MySQL Installer Product Catalog and Dashboard”](#)

[Section 23.7.4, “NDB Cluster Replication Schema and Tables”](#)

[Section 5.1.7, “Server Command Options”](#)

[Section 2.10.6, “Upgrading MySQL Binary or Package-based Installations on Unix/Linux”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

[Section 2.10.3, “What the MySQL Upgrade Process Upgrades”](#)

upgrade

[Section 2.3.3.5, “MySQL Installer Console Reference”](#)

--upgrade-system-tables

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 2.10.3, “What the MySQL Upgrade Process Upgrades”](#)

--uri

[Section 4.2.5, “Connecting to the Server Using URI-Like Strings or Key-Value Pairs”](#)

--usage

[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)

[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)

[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)

[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)

[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)

[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.5.31, “ndbxfm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)

--use-default

[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)

--usefrm

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

--use-threads

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

--useHexFormat

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--user

[Section 6.2.1, “Account User Names and Passwords”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 7.3, “Example Backup and Recovery Strategy”](#)
[Section B.3.2.16, “File Not Found and Similar Errors”](#)
[Section 6.1.5, “How to Run MySQL as a Normal User”](#)
[Section 2.9.1, “Initializing the Data Directory”](#)
[Section 4.2.1, “Invoking MySQL Programs”](#)
[Section 6.4.1.8, “Kerberos Pluggable Authentication”](#)
[Section 6.1.3, “Making MySQL Secure Against Attackers”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)
[Section 4.5.1.3, “mysql Client Logging”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.2, “mysql_secure_installation — Improve MySQL Installation Security”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)
[Section 4.3.2, “mysqld_safe — MySQL Server Startup Script”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.6.20.3, “NDB Cluster and MySQL Security Procedures”](#)
[Section 23.5.28, “ndb_size.pl — NDBCLUSTER Size Requirement Estimator”](#)
[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)
[Section 4.2.2.6, “Option Defaults, Options Expecting Values, and the = Sign”](#)
[Resetting the Root Password: Unix and Unix-Like Systems](#)
[Restoring to More Nodes Than the Original](#)

[Section 5.1.7, “Server Command Options”](#)
[Section 6.4.1.10, “Socket Peer-Credential Pluggable Authentication”](#)
[Section 4.2.2, “Specifying Program Options”](#)
[Section 2.9.2, “Starting the Server”](#)
[Section 6.4.1.12, “Test Pluggable Authentication”](#)
[Section 4.6.9.3, “Using mysqlbinlog to Back Up Binary Log Files”](#)
[Section 4.2.2.2, “Using Option Files”](#)

user

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.2.2.2, “Using Option Files”](#)

--users

[Section 4.5.6, “mysqldump — A Database Backup Program”](#)

V

[\[index top\]](#)

-V

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)
[Section 4.6.2, “innorechecksum — Offline InnoDB File Checksum Utility”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)
[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqldump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)
[Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”](#)
[Section 23.5.11, “ndb_drop_table — Drop an NDB Table”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)
[Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)

[Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”](#)
[Section 23.5.31, “ndbxfsm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”](#)
[Section 4.8.2, “ perror — Display MySQL Error Message Information”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

-V

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 7.6.2, “How to Check MyISAM Tables for Errors”](#)
[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)
[Section 4.6.2, “innochecksum — Offline InnoDB File Checksum Utility”](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”](#)
[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9.2, “mysqlbinlog Row Event Display”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 4.6.4.5, “Obtaining Table Information with myisamchk”](#)
[Section 4.8.2, “ perror — Display MySQL Error Message Information”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)
[Section 6.4.4.8, “Using the keyring_okv KMIP Plugin”](#)

--validate-config

[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.3, “Server Configuration Validation”](#)

--validate-password

[Section 6.4.3.2, “Password Validation Options and Variables”](#)
[Section 6.4.3.3, “Transitioning to the Password Validation Component”](#)

--validate-user-plugins

[Section 5.1.7, “Server Command Options”](#)

--var_name

[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 5.1.7, “Server Command Options”](#)

--variable

[Section 4.7.1, “mysql_config — Display Options for Compiling Clients”](#)

--verbose

[Section 17.2.1.1, “Advantages and Disadvantages of Statement-Based and Row-Based Replication”](#)
[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 23.6.1, “Commands in the NDB Cluster Management Client”](#)
[Section 4.5.1.5, “Executing SQL Statements from a Text File”](#)
[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)
[Monitoring Binary Log Transaction Compression](#)
[Section 4.7.2, “my_print_defaults — Display Options from Option Files”](#)
[Section 4.6.3, “myisam_ftdump — Display Full-Text Index information”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)
[Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”](#)
[Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqldadmin — A MySQL Server Administration Program”](#)
[Section 4.6.9.2, “mysqlbinlog Row Event Display”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)
[Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”](#)
[Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”](#)
[Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”](#)
[Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”](#)
[Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”](#)
[Section 4.6.4.4, “Other myisamchk Options”](#)
[Section 4.8.2, “perror — Display MySQL Error Message Information”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 2.9.2.1, “Troubleshooting Problems Starting the MySQL Server”](#)
[Section 17.2.1.2, “Usage of Row-Based Logging and Replication”](#)
[Section 4.2.2.2, “Using Option Files”](#)
[Section 4.2.2.1, “Using Options on the Command Line”](#)

--verify-binlog-checksum

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

--version

[Section 4.4.1, “comp_err — Compile MySQL Error Message File”](#)

Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”
Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”
Section 4.7.2, “my_print_defaults — Display Options from Option Files”
Section 4.6.4.1, “myisamchk General Options”
Section 4.6.6, “mysampack — Generate Compressed, Read-Only MyISAM Tables”
Section 4.5.1.1, “mysql Client Options”
Section 4.7.1, “mysql_config — Display Options for Compiling Clients”
Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”
Section 4.6.8, “mysql_migrate_keyring — Keyring Key Migration Utility”
Section 4.4.3, “mysql_ssl_rsa_setup — Create SSL/RSA Files”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”
Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”
Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”
Section 23.5.8, “ndb_delete_all — Delete All Rows from an NDB Table”
Section 23.5.9, “ndb_desc — Describe NDB Tables”
Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”
Section 23.5.11, “ndb_drop_table — Drop an NDB Table”
Section 23.5.13, “ndb_import — Import CSV Data Into NDB”
Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”
Section 23.5.5, “ndb_mgm — The NDB Cluster Management Client”
Section 23.5.4, “ndb_mgmd — The NDB Cluster Management Server Daemon”
Section 23.5.15, “ndb_move_data — NDB Data Copy Utility”
Section 23.5.16, “ndb_perror — Obtain NDB Error Message Information”
Section 23.5.17, “ndb_print_backup_file — Print NDB Backup File Contents”
Section 23.5.18, “ndb_print_file — Print NDB Disk Data File Contents”
Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”
Section 23.5.24, “ndb_secretsfile_reader — Obtain Key Information from an Encrypted NDB Data File”
Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”
Section 23.5.26, “ndb_select_count — Print Row Counts for NDB Tables”
Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”
Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”
Section 23.5.1, “ndbd — The NDB Cluster Data Node Daemon”
Section 23.5.2, “ndbinfo_select_all — Select From ndbinfo Tables”
Section 23.5.31, “ndbxfrm — Compress, Decompress, Encrypt, and Decrypt Files Created by NDB Cluster”
Section 4.8.2, “perror — Display MySQL Error Message Information”
Section 5.1.7, “Server Command Options”
Section 4.2.2.1, “Using Options on the Command Line”

--version-check

Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”

--vertical

Section 1.5, “How to Report Bugs or Problems”
Section 4.5.1.1, “mysql Client Options”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”

W

[[index top](#)]

-W

Section 4.2.3, “Command Options for Connecting to the Server”
Section 4.5.1.1, “mysql Client Options”
Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.5, “mysqlimport — A Data Import Program”
Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”
Section 4.5.8, “mysqlslap — A Load Emulation Client”

-W

Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”
Section 4.6.4.1, “myisamchk General Options”
Section 4.6.5, “myisamlog — Display MyISAM Log File Contents”
Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”
Section 4.5.1.1, “mysql Client Options”
Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”

--wait

Section 4.6.4.1, “myisamchk General Options”
Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”
Section 4.5.1.1, “mysql Client Options”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”

--wait-nodes

Section 23.5.30, “ndb_waiter — Wait for NDB Cluster to Reach a Given Status”

--warn

Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”

--watch-progress

Section 4.5.6, “mysqlpump — A Database Backup Program”

--where

Section 4.5.4, “mysqldump — A Database Backup Program”

--with-apply-status

Section 23.7.4, “NDB Cluster Replication Schema and Tables”
Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”
Section 23.2.4, “What is New in MySQL NDB Cluster”

WITH_ANT

Section 2.8.7, “MySQL Source-Configuration Options”

WITH_BOOST

Section 2.8.7, “MySQL Source-Configuration Options”
Section 2.8.2, “Source Installation Prerequisites”

WITH_CLASSPATH

Section 23.3.1.4, “Building NDB Cluster from Source on Linux”

[Section 23.3.2.2, “Compiling and Installing NDB Cluster from Source on Windows”](#)

WITH_CLIENT_PROTOCOL_TRACING

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_CURL

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_DEBUG

[Section 4.6.1, “ibd2sdi — InnoDB Tablespace SDI Extraction Utility”](#)

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

[Section 4.6.4.1, “myisamchk General Options”](#)

[Section 4.6.6, “myisampack — Generate Compressed, Read-Only MyISAM Tables”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

[Section 4.6.7, “mysql_config_editor — MySQL Configuration Utility”](#)

[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.6.10, “mysqldumpslow — Summarize Slow Query Log Files”](#)

[Section 4.5.5, “mysqlimport — A Data Import Program”](#)

[Section 4.5.6, “mysqldump — A Database Backup Program”](#)

[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

WITH_EDITLINE

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_EMBEDDED_SERVER

[Section 1.3, “What Is New in MySQL 8.0”](#)

WITH_EMBEDDED_SHARED_LIBRARY

[Section 1.3, “What Is New in MySQL 8.0”](#)

WITH_FIDO

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_GMOCK

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_ICU

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_JEMALLOC

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_LIBEVENT

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_LOCK_ORDER

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

[Section 5.9.3, “The LOCK_ORDER Tool”](#)

WITH_LTO

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_LZ4

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_LZMA

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_ME CAB

[Section 12.10.9, “MeCab Full-Text Parser Plugin”](#)

WITH_NDB

[Section 23.3.1.4, “Building NDB Cluster from Source on Linux”](#)

[Section 23.3.2.2, “Compiling and Installing NDB Cluster from Source on Windows”](#)

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

WITH_NDB_JAVA

[Section 23.3.1.4, “Building NDB Cluster from Source on Linux”](#)

[Section 23.3.2.2, “Compiling and Installing NDB Cluster from Source on Windows”](#)

WITH_NDBCLUSTER

[Section 23.3.1.4, “Building NDB Cluster from Source on Linux”](#)

[Section 23.3.2.2, “Compiling and Installing NDB Cluster from Source on Windows”](#)

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_NDBCLUSTER_STORAGE_ENGINE

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

WITH_NUMA

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_PLUGIN_NDBCLUSTER

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

WITH_PROTOBUF

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_RE2

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_SSL

[Section 2.8.6, “Configuring SSL Library Support”](#)

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

[Section 2.8.2, “Source Installation Prerequisites”](#)

[Section 6.3, “Using Encrypted Connections”](#)

WITH_SYSTEMD

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_TC_MALLOC

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_TEST_TRACE_PLUGIN

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_ZLIB

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

WITH_ZSTD

[Section 2.8.7, “MySQL Source-Configuration Options”](#)

--write

[Section 4.6.2, “innoschecksum — Offline InnoDB File Checksum Utility”](#)

--write-binlog

[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 17.1.3.7, “Restrictions on Replication with GTIDs”](#)

[Section 17.5.3, “Upgrading a Replication Topology”](#)

X

[\[index top\]](#)

-X

[Section 4.5.1.2, “mysql Client Commands”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

-X

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)

[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

[Section 23.5.29, “ndb_top — View CPU usage information for NDB threads”](#)

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

--xml

[Section 13.2.10, “LOAD XML Statement”](#)

[Section 4.5.1.1, “mysql Client Options”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 23.5.7, “ndb_config — Extract NDB Cluster Configuration Information”](#)

[Section 12.12, “XML Functions”](#)

Y

[\[index top\]](#)

-Y

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

-y

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

Z

[[index top](#)]

-z

[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 23.5.25, “ndb_select_all — Print Rows from an NDB Table”](#)

--zstd-compression-level

[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 4.2.8, “Connection Compression Control”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 4.5.7, “mysqlshow — Display Database, Table, and Column Information”](#)
[Section 4.5.8, “mysqlslap — A Load Emulation Client”](#)

Privileges Index

[A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [I](#) | [L](#) | [N](#) | [P](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [X](#)

A

[[index top](#)]

ALL

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

ALL PRIVILEGES

[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.7.21, “SHOW GRANTS Statement”](#)

ALTER

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 24.3.3, “Exchanging Partitions and Subpartitions with Tables”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.1.36, “RENAME TABLE Statement”](#)

ALTER ROUTINE

[Section 13.1.4, “ALTER FUNCTION Statement”](#)
[Section 13.1.7, “ALTER PROCEDURE Statement”](#)
[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 13.1.29, “DROP PROCEDURE and DROP FUNCTION Statements”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.7.9, “SHOW CREATE PROCEDURE Statement”](#)

[Section 13.7.7.28, “SHOW PROCEDURE STATUS Statement”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.2, “Stored Routines and MySQL Privileges”](#)
[Section 26.3.30, “The INFORMATION_SCHEMA ROUTINES Table”](#)

APPLICATION_PASSWORD_ADMIN

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.15, “Password Management”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.1.10, “SET PASSWORD Statement”](#)

AUDIT_ABORT_EXEMPT

[Section 6.2.11, “Account Categories”](#)
[Section 6.4.5.7, “Audit Log Filtering”](#)
[Section 6.4.5.1, “Elements of MySQL Enterprise Audit”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.4.5.8, “Writing Audit Log Filter Definitions”](#)

AUDIT_ADMIN

[Section 6.4.5.7, “Audit Log Filtering”](#)
[Section 6.4.5.11, “Audit Log Reference”](#)
[Section 6.4.5.9, “Disabling Audit Logging”](#)
[Section 6.4.5.1, “Elements of MySQL Enterprise Audit”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

AUTHENTICATION_POLICY_ADMIN

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.18, “Multifactor Authentication”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.8, “Server System Variables”](#)

B

[\[index top\]](#)

BACKUP_ADMIN

[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 5.6.7.2, “Cloning Data Locally”](#)
[Section 18.5.4.2, “Cloning for Distributed Recovery”](#)
[Section 5.6.7.3, “Cloning Remote Data”](#)
[Section 18.6.1, “Communication Stack for Connection Security Management”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 13.3.5, “LOCK INSTANCE FOR BACKUP and UNLOCK INSTANCE Statements”](#)
[Prerequisites for Cloning](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 18.2.1.3, “User Credentials For Distributed Recovery”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

BINLOG_ADMIN

[Section 13.7.8.1, “BINLOG Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 6.2.12, “Privilege Restriction Using Partial Revokes”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.4.1.1, “PURGE BINARY LOGS Statement”](#)

BINLOG_ENCRYPTION_ADMIN

[Section 13.1.5, “ALTER INSTANCE Statement”](#)
[Section 17.3.2.3, “Binary Log Master Key Rotation”](#)
[Section 17.3.2, “Encrypting Binary Log Files and Relay Log Files”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

C

[[index](#) [top](#)]

CLONE_ADMIN

[Section 5.6.7.13, “Clone System Variables”](#)
[Section 5.6.7.3, “Cloning Remote Data”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
Prerequisites for Cloning
[Section 6.2.2, “Privileges Provided by MySQL”](#)

CONNECTION_ADMIN

[Section 6.2.11, “Account Categories”](#)
[Section 13.7.1, “Account Management Statements”](#)
[Section 5.1.12.2, “Administrative Connection Management”](#)
[Section 13.1.5, “ALTER INSTANCE Statement”](#)
[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 18.6.1, “Communication Stack for Connection Security Management”](#)
[Section 10.5, “Configuring Application Character Set and Collation”](#)
[Section 18.5.1.5, “Configuring Member Actions”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 5.1.12.1, “Connection Interfaces”](#)
[Section 13.7.1.2, “CREATE ROLE Statement”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 13.7.1.4, “DROP ROLE Statement”](#)
[Section 13.7.1.5, “DROP USER Statement”](#)
[Section 18.7.7.4, “Exit Action”](#)
[Section 13.4.3.7, “Functions to Set and Reset Group Replication Member Actions”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 18.9, “Group Replication System Variables”](#)
[Section 13.7.8.4, “KILL Statement”](#)
[Section 6.1.3, “Making MySQL Secure Against Attackers”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.1.7, “RENAME USER Statement”](#)
[Section 6.3.5, “Reusing SSL Sessions”](#)
[Section 13.7.1.8, “REVOKE Statement”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.1.10, “SET PASSWORD Statement”](#)
[Section 13.3.7, “SET TRANSACTION Statement”](#)
[Section 13.7.7.29, “SHOW PROCESSLIST Statement”](#)
[Section 13.3.1, “START TRANSACTION, COMMIT, and ROLLBACK Statements”](#)
[Section B.3.2.5, “Too many connections”](#)
[Section 18.2.1.3, “User Credentials For Distributed Recovery”](#)

CREATE

[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 13.1.12, “CREATE DATABASE Statement”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 24.3.3, “Exchanging Partitions and Subpartitions with Tables”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 13.2.6, “IMPORT TABLE Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.1.36, “RENAME TABLE Statement”](#)

CREATE ROLE

[Section 13.7.1.2, “CREATE ROLE Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.2.10, “Using Roles”](#)

CREATE ROUTINE

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section A.4, “MySQL 8.0 FAQ: Stored Procedures and Functions”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.7.9, “SHOW CREATE PROCEDURE Statement”](#)
[Section 13.7.7.28, “SHOW PROCEDURE STATUS Statement”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.2, “Stored Routines and MySQL Privileges”](#)
[Section 26.3.30, “The INFORMATION_SCHEMA ROUTINES Table”](#)

CREATE TABLESPACE

[Section 13.1.10, “ALTER TABLESPACE Statement”](#)
[Section 15.6.3.3, “General Tablespaces”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

CREATE TEMPORARY TABLES

[Section 13.1.20.2, “CREATE TEMPORARY TABLE Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

CREATE USER

[Section 6.2.11, “Account Categories”](#)
[Section 6.2.8, “Adding Accounts, Assigning Privileges, and Dropping Accounts”](#)
[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 13.7.1.2, “CREATE ROLE Statement”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 13.7.1.4, “DROP ROLE Statement”](#)
[Section 13.7.1.5, “DROP USER Statement”](#)
[Section 6.4.1.11, “FIDO Pluggable Authentication”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.15, “Password Management”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.1.7, “RENAME USER Statement”](#)
[Section 13.7.1.8, “REVOKE Statement”](#)

[Section 13.7.1.9, “SET DEFAULT ROLE Statement”](#)
[Section 13.7.1.10, “SET PASSWORD Statement”](#)
[Section 26.3.46, “The INFORMATION_SCHEMA USER_ATTRIBUTES Table”](#)
[Section 6.2.10, “Using Roles”](#)

CREATE VIEW

[Section 13.1.11, “ALTER VIEW Statement”](#)
[Section 13.1.23, “CREATE VIEW Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 25.9, “Restrictions on Views”](#)

D

[index top]

DELETE

[Section 6.2.7, “Access Control, Stage 2: Request Verification”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 13.2.2, “DELETE Statement”](#)
[Section 13.7.4.2, “DROP FUNCTION Statement for Loadable Functions”](#)
[Section 13.7.1.5, “DROP USER Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 5.7.1, “Installing and Uninstalling Loadable Functions”](#)
[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section 15.7.2.4, “Locking Reads”](#)
[Section 23.6.20.2, “NDB Cluster and MySQL Privileges”](#)
[Section 6.2.12, “Privilege Restriction Using Partial Revokes”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.2.12, “REPLACE Statement”](#)
[Section 16.7, “The MERGE Storage Engine”](#)
[Section 27.12.2.4, “The setup_objects Table”](#)
[Section 13.7.4.5, “UNINSTALL COMPONENT Statement”](#)
[Section 13.7.4.6, “UNINSTALL PLUGIN Statement”](#)
[Section 6.2.10, “Using Roles”](#)

DROP

[Section 6.2, “Access Control and Account Management”](#)
[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 13.1.11, “ALTER VIEW Statement”](#)
[Section 13.1.23, “CREATE VIEW Statement”](#)
[Section 5.1.12.3, “DNS Lookups and the Host Cache”](#)
[Section 13.1.24, “DROP DATABASE Statement”](#)
[Section 13.1.32, “DROP TABLE Statement”](#)
[Section 13.1.35, “DROP VIEW Statement”](#)
[Section 24.3.3, “Exchanging Partitions and Subpartitions with Tables”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 24.3.1, “Management of RANGE and LIST Partitions”](#)
[Section 6.6.1, “MySQL Enterprise Encryption Installation and Upgrading”](#)
[Section 27.11, “Performance Schema General Table Characteristics”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.1.36, “RENAME TABLE Statement”](#)
[Section 27.12.21.2, “The host_cache Table”](#)
[Section 13.1.37, “TRUNCATE TABLE Statement”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

DROP ROLE

[Section 13.7.1.4, “DROP ROLE Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.2.10, “Using Roles”](#)

E

[\[index top\]](#)

ENCRYPTION_KEY_ADMIN

[Section 13.1.5, “ALTER INSTANCE Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)
[Section 6.4.4.19, “Keyring System Variables”](#)
[Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

EVENT

[Section 13.1.3, “ALTER EVENT Statement”](#)
[Section 13.1.13, “CREATE EVENT Statement”](#)
[Section 13.1.25, “DROP EVENT Statement”](#)
[Section 25.4.1, “Event Scheduler Overview”](#)
[Section 25.4.3, “Event Syntax”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.7.7, “SHOW CREATE EVENT Statement”](#)
[Section 13.7.7.18, “SHOW EVENTS Statement”](#)
[Section 25.4.6, “The Event Scheduler and MySQL Privileges”](#)

EXECUTE

[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 13.1.29, “DROP PROCEDURE and DROP FUNCTION Statements”](#)
[Section 6.4.4.15, “General-Purpose Keyring Key-Management Functions”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 5.6.7.10, “Monitoring Cloning Operations”](#)
[Section 28.1, “Prerequisites for Using the sys Schema”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.7.9, “SHOW CREATE PROCEDURE Statement”](#)
[Section 13.7.7.28, “SHOW PROCEDURE STATUS Statement”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Section 25.2.2, “Stored Routines and MySQL Privileges”](#)
[Section 26.3.30, “The INFORMATION_SCHEMA ROUTINES Table”](#)
[Section 6.4.7.3, “Using MySQL Enterprise Firewall”](#)

F

[\[index top\]](#)

FILE

[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 7.4.3, “Dumping Data in Delimited-Text Format with mysqldump”](#)
[Section 13.7.1.6, “GRANT Statement”](#)

[Section 6.2.3, “Grant Tables”](#)
[Section 13.2.6, “IMPORT TABLE Statement”](#)
[Section 13.2.9, “LOAD DATA Statement”](#)
[Section 13.2.10, “LOAD XML Statement”](#)
[Section 6.1.3, “Making MySQL Secure Against Attackers”](#)
[Section 6.6.3, “MySQL Enterprise Encryption Usage and Examples”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 6.2.12, “Privilege Restriction Using Partial Revokes”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.5.1.19, “Replication and LOAD DATA”](#)
[Section 13.2.13.1, “SELECT ... INTO Statement”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 12.8, “String Functions and Operators”](#)
[Section 11.3.4, “The BLOB and TEXT Types”](#)
[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

FIREWALL_ADMIN

[Section 6.4.7.1, “Elements of MySQL Enterprise Firewall”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.4.7.4, “MySQL Enterprise Firewall Reference”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.4.7.3, “Using MySQL Enterprise Firewall”](#)

FIREWALL_EXEMPT

[Section 6.4.7.1, “Elements of MySQL Enterprise Firewall”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.4.7.3, “Using MySQL Enterprise Firewall”](#)

FIREWALL_USER

[Section 6.4.7.1, “Elements of MySQL Enterprise Firewall”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.4.7.3, “Using MySQL Enterprise Firewall”](#)

FLUSH_OPTIMIZER_COSTS

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

FLUSH_STATUS

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

FLUSH_TABLES

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

FLUSH_USER_RESOURCES

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

G

[[index top](#)]

GRANT OPTION

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.1.8, “REVOKE Statement”](#)
[Section 13.7.7.21, “SHOW GRANTS Statement”](#)
[Section 26.3.10, “The INFORMATION_SCHEMA COLUMN_PRIVILEGES Table”](#)
[Section 26.3.33, “The INFORMATION_SCHEMA SCHEMA_PRIVILEGES Table”](#)
[Section 26.3.44, “The INFORMATION_SCHEMA TABLE_PRIVILEGES Table”](#)
[Section 26.3.47, “The INFORMATION_SCHEMA USER_PRIVILEGES Table”](#)

GROUP_REPLICATION_ADMIN

[Section 18.5.1.5, “Configuring Member Actions”](#)
[Section 13.4.3.5, “Functions to Inspect and Configure the Maximum Consensus Instances of a Group”](#)
[Section 13.4.3.6, “Functions to Inspect and Set the Group Replication Communication Protocol Version”](#)
[Section 13.4.3.7, “Functions to Set and Reset Group Replication Member Actions”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 18.9, “Group Replication System Variables”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 18.5.1.4, “Setting a Group’s Communication Protocol Version”](#)
[Section 13.4.3.1, “START GROUP_REPLICATION Statement”](#)
[Section 13.4.3.2, “STOP GROUP_REPLICATION Statement”](#)
[Section 18.5.1.3, “Using Group Replication Group Write Consensus”](#)

GROUP_REPLICATION_STREAM

[Section 13.4.2.1, “CHANGE MASTER TO Statement”](#)
[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)
[Section 18.6.1, “Communication Stack for Connection Security Management”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
Replication User With SSL
[Section 18.2.1.3, “User Credentials For Distributed Recovery”](#)

I

[[index top](#)]

INDEX

[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

INNODB_REDO_LOG_ARCHIVE

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 15.6.5, “Redo Log”](#)

INNODB_REDO_LOG_ENABLE

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 15.6.5, “Redo Log”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

INSERT

[Section 6.2.7, “Access Control, Stage 2: Request Verification”](#)
[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 13.7.3.1, “ANALYZE TABLE Statement”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 13.7.4.1, “CREATE FUNCTION Statement for Loadable Functions”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 13.1.23, “CREATE VIEW Statement”](#)
[Section 24.3.3, “Exchanging Partitions and Subpartitions with Tables”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 13.2.7, “INSERT Statement”](#)
[Section 13.7.4.3, “INSTALL COMPONENT Statement”](#)
[Section 13.7.4.4, “INSTALL PLUGIN Statement”](#)
[Section 5.7.1, “Installing and Uninstalling Loadable Functions”](#)
[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section 6.6.1, “MySQL Enterprise Encryption Installation and Upgrading”](#)
[Section 13.7.3.4, “OPTIMIZE TABLE Statement”](#)
[Section 16.11.1, “Pluggable Storage Engine Architecture”](#)
[Section 28.1, “Prerequisites for Using the sys Schema”](#)
[Section 6.2.12, “Privilege Restriction Using Partial Revokes”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.1.36, “RENAME TABLE Statement”](#)
[Section 13.7.3.5, “REPAIR TABLE Statement”](#)
[Section 13.2.12, “REPLACE Statement”](#)
[Section 17.3.3, “Replication Privilege Checks”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Section 25.4.6, “The Event Scheduler and MySQL Privileges”](#)
[Section 27.12.2.4, “The setup_objects Table”](#)
[Section 6.2.10, “Using Roles”](#)

L

[\[index top\]](#)

LOCK TABLES

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)
[Section 15.7.2.4, “Locking Reads”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

N

[\[index top\]](#)

NDB_STORED_USER

[Section 13.7.1.6, “GRANT Statement”](#)
[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)
[Section 23.6.20.2, “NDB Cluster and MySQL Privileges”](#)
[Section 23.6.13, “Privilege Synchronization and NDB_STORED_USER”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Restoring an NDB backup to a previous version of NDB Cluster](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

P

[[index top](#)]

PASSWORDLESS_USER_ADMIN

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 6.4.1.11, “FIDO Pluggable Authentication”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.18, “Multifactor Authentication”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

PERSIST_RO_VARIABLES_ADMIN

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.8.7, “RESET PERSIST Statement”](#)
[Section 5.1.9.1, “System Variable Privileges”](#)

PROCESS

[Section 8.14.1, “Accessing the Process List”](#)
[Section 6.2.8, “Adding Accounts, Assigning Privileges, and Dropping Accounts”](#)
[Section 15.17.2, “Enabling InnoDB Monitors”](#)
[Section 25.4.2, “Event Scheduler Configuration”](#)
[Section 13.8.2, “EXPLAIN Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 26.1, “Introduction”](#)
[Section 13.7.8.4, “KILL Statement”](#)
[Section 6.1.3, “Making MySQL Secure Against Attackers”](#)
[Section 23.6.10, “MySQL Server Usage for NDB Cluster”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 8.8.4, “Obtaining Execution Plan Information for a Named Connection”](#)
[Section 28.1, “Prerequisites for Using the sys Schema”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.7.15, “SHOW ENGINE Statement”](#)
[Section 13.7.7.29, “SHOW PROCESSLIST Statement”](#)
[Section 27.12.13.2, “The data_lock_waits Table”](#)
[Section 27.12.13.1, “The data_locks Table”](#)
[Section 26.3.15, “The INFORMATION_SCHEMA FILES Table”](#)
[Section 26.4.2, “The INFORMATION_SCHEMA INNODB_BUFFER_PAGE Table”](#)
[Section 26.4.3, “The INFORMATION_SCHEMA INNODB_BUFFER_PAGE_LRU Table”](#)
[Section 26.4.4, “The INFORMATION_SCHEMA INNODB_BUFFER_POOL_STATS Table”](#)
[Section 26.4.5, “The INFORMATION_SCHEMA INNODB_CACHED_INDEXES Table”](#)
[Section 26.4.6, “The INFORMATION_SCHEMA INNODB_CMP and INNODB_CMP_RESET Tables”](#)
[Section 26.4.8, “The INFORMATION_SCHEMA INNODB_CMP_PER_INDEX and INNODB_CMP_PER_INDEX_RESET Tables”](#)
[Section 26.4.7, “The INFORMATION_SCHEMA INNODB_CMPMEM and INNODB_CMPMEM_RESET Tables”](#)
[Section 26.4.9, “The INFORMATION_SCHEMA INNODB_COLUMNS Table”](#)
[Section 26.4.10, “The INFORMATION_SCHEMA INNODB_DATAFILES Table”](#)
[Section 26.4.11, “The INFORMATION_SCHEMA INNODB_FIELDS Table”](#)
[Section 26.4.12, “The INFORMATION_SCHEMA INNODB_FOREIGN Table”](#)
[Section 26.4.13, “The INFORMATION_SCHEMA INNODB_FOREIGN_COLS Table”](#)
[Section 26.4.14, “The INFORMATION_SCHEMA INNODB_FT_BEING_DELETED Table”](#)
[Section 26.4.15, “The INFORMATION_SCHEMA INNODB_FT_CONFIG Table”](#)
[Section 26.4.16, “The INFORMATION_SCHEMA INNODB_FT_DEFAULT_STOPWORD Table”](#)
[Section 26.4.17, “The INFORMATION_SCHEMA INNODB_FT_DELETED Table”](#)
[Section 26.4.18, “The INFORMATION_SCHEMA INNODB_FT_INDEX_CACHE Table”](#)

[Section 26.4.19, “The INFORMATION_SCHEMA INNODB_FT_INDEX_TABLE Table”](#)
[Section 26.4.20, “The INFORMATION_SCHEMA INNODB_INDEXES Table”](#)
[Section 26.4.21, “The INFORMATION_SCHEMA INNODB_METRICS Table”](#)
[Section 26.4.22, “The INFORMATION_SCHEMA INNODB_SESSION_TEMP_TABLESPACES Table”](#)
[Section 26.4.23, “The INFORMATION_SCHEMA INNODB_TABLES Table”](#)
[Section 26.4.24, “The INFORMATION_SCHEMA INNODB_TABLESPACES Table”](#)
[Section 26.4.25, “The INFORMATION_SCHEMA INNODB_TABLESPACES_BRIEF Table”](#)
[Section 26.4.26, “The INFORMATION_SCHEMA INNODB_TABLESTATS View”](#)
[Section 26.4.27, “The INFORMATION_SCHEMA INNODB_TEMP_TABLE_INFO Table”](#)
[Section 26.4.28, “The INFORMATION_SCHEMA INNODB_TRX Table”](#)
[Section 26.4.29, “The INFORMATION_SCHEMA INNODB_VIRTUAL Table”](#)
[Section 26.3.23, “The INFORMATION_SCHEMA PROCESSLIST Table”](#)
[Section 27.12.21.6, “The processlist Table”](#)
[Section 27.12.21.7, “The threads Table”](#)

PROXY

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.3, “Grant Tables”](#)
[Section 6.4.1.7, “LDAP Pluggable Authentication”](#)
[Section 6.4.1.5, “PAM Pluggable Authentication”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.2.19, “Proxy Users”](#)
[Section 2.9.4, “Securing the Initial MySQL Account”](#)
[Section 27.12.21.2, “The host_cache Table”](#)
[Section 6.4.1.6, “Windows Pluggable Authentication”](#)

PROXY ... WITH GRANT OPTION

[Section 6.2.19, “Proxy Users”](#)

R

[\[index top\]](#)

REFERENCES

[Section 13.1.20.5, “FOREIGN KEY Constraints”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

RELOAD

[Section 6.2.7, “Access Control, Stage 2: Request Verification”](#)
[Section 6.2.8, “Adding Accounts, Assigning Privileges, and Dropping Accounts”](#)
[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 5.1.12.3, “DNS Lookups and the Host Cache”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.3, “Grant Tables”](#)
[Section 13.3.5, “LOCK INSTANCE FOR BACKUP and UNLOCK INSTANCE Statements”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.4.1.2, “RESET MASTER Statement”](#)
[Section 13.4.2.5, “RESET REPLICA Statement”](#)
[Section 13.7.8.6, “RESET Statement”](#)
[Section 5.4.6, “Server Log Maintenance”](#)

REPLICATION CLIENT

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

[Section 13.7.7.1, “SHOW BINARY LOGS Statement”](#)
[Section 13.7.7.23, “SHOW MASTER STATUS Statement”](#)
[Section 13.7.7.35, “SHOW REPLICA STATUS Statement”](#)

REPLICATION_SLAVE

[Section 18.6.1, “Communication Stack for Connection Security Management”](#)
[Section 17.1.5.1, “Configuring Multi-Source Replication”](#)
[Section 17.1.2.3, “Creating a User for Replication”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.3.1, “Setting Up Replication to Use Encrypted Connections”](#)
[Section 13.7.7.2, “SHOW BINLOG EVENTS Statement”](#)
[Section 13.7.7.32, “SHOW RELAYLOG EVENTS Statement”](#)
[Section 13.7.7.33, “SHOW REPLICAS Statement”](#)
[Section 18.2.1.3, “User Credentials For Distributed Recovery”](#)

REPLICATION_APPLIER

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 13.7.8.1, “BINLOG Statement”](#)
[Section 13.4.2.1, “CHANGE MASTER TO Statement”](#)
[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)
[Section 17.1.6.5, “Global Transaction ID System Variables”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.3.3, “Replication Privilege Checks”](#)
[Section 17.1.6.2, “Replication Source Options and Variables”](#)
[Section 5.1.8, “Server System Variables”](#)

REPLICATION_SLAVE_ADMIN

[Section 13.4.2.1, “CHANGE MASTER TO Statement”](#)
[Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”](#)
[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 17.4.10.1, “Installing Semisynchronous Replication”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.4.2.8, “START REPLICA Statement”](#)
[Section 13.4.2.10, “STOP REPLICA Statement”](#)

RESOURCE_GROUP_ADMIN

[Section 13.7.2.1, “ALTER RESOURCE GROUP Statement”](#)
[Section 13.7.2.2, “CREATE RESOURCE GROUP Statement”](#)
[Section 13.7.2.3, “DROP RESOURCE GROUP Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 8.9.3, “Optimizer Hints”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.16, “Resource Groups”](#)
[Section 13.7.2.4, “SET RESOURCE GROUP Statement”](#)

RESOURCE_GROUP_USER

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 8.9.3, “Optimizer Hints”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.16, “Resource Groups”](#)
[Section 13.7.2.4, “SET RESOURCE GROUP Statement”](#)

ROLE_ADMIN

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 12.16, “Information Functions”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 6.2.10, “Using Roles”](#)

S

[\[index top\]](#)

SELECT

[Section 6.2, “Access Control and Account Management”](#)
[Section 6.2.7, “Access Control, Stage 2: Request Verification”](#)
[Section 6.2.11, “Account Categories”](#)
[Section 13.7.3.1, “ANALYZE TABLE Statement”](#)
[Section 13.7.3.3, “CHECKSUM TABLE Statement”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 13.1.20.3, “CREATE TABLE ... LIKE Statement”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 13.1.23, “CREATE VIEW Statement”](#)
[Section 14.7, “Data Dictionary Usage Differences”](#)
[Section 13.2.2, “DELETE Statement”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 13.2.7, “INSERT Statement”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)
[Section 15.7.2.4, “Locking Reads”](#)
[Section 5.6.7.10, “Monitoring Cloning Operations”](#)
[Section 6.4.7.4, “MySQL Enterprise Firewall Reference”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.6.20.2, “NDB Cluster and MySQL Privileges”](#)
[Section 13.7.3.4, “OPTIMIZE TABLE Statement”](#)
[Section 27.11, “Performance Schema General Table Characteristics”](#)
[Section 28.1, “Prerequisites for Using the sys Schema”](#)
[Section 6.2.12, “Privilege Restriction Using Partial Revokes”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.3.5, “REPAIR TABLE Statement”](#)
[Section 25.9, “Restrictions on Views”](#)
[Section 13.7.1.8, “REVOKE Statement”](#)
[Section 13.7.7.9, “SHOW CREATE PROCEDURE Statement”](#)
[Section 13.7.7.12, “SHOW CREATE USER Statement”](#)
[Section 13.7.7.13, “SHOW CREATE VIEW Statement”](#)
[Section 13.7.7.21, “SHOW GRANTS Statement”](#)
[Section 13.7.7.27, “SHOW PROCEDURE CODE Statement”](#)
[Section 13.7.7.28, “SHOW PROCEDURE STATUS Statement”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Section 25.2.2, “Stored Routines and MySQL Privileges”](#)
[Section 27.12.13.2, “The data_lock_waits Table”](#)
[Section 27.12.13.1, “The data_locks Table”](#)
[Section 27.12.21.1, “The error_log Table”](#)
[Section 25.4.6, “The Event Scheduler and MySQL Privileges”](#)
[Section 26.3.30, “The INFORMATION_SCHEMA ROUTINES Table”](#)
[Section 26.3.46, “The INFORMATION_SCHEMA USER_ATTRIBUTES Table”](#)
[Section 16.7, “The MERGE Storage Engine”](#)

[Section 27.12.21.7, “The threads Table”](#)
[Section 25.3.1, “Trigger Syntax and Examples”](#)
[Section 13.2.17, “UPDATE Statement”](#)

SENSITIVE_VARIABLES_OBSERVER

[Section 27.12.14.1, “Performance Schema persisted_variables Table”](#)
[Section 27.12.14, “Performance Schema System Variable Tables”](#)
[Section 5.1.9.3, “Persisted System Variables”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.18, “Server Tracking of Client Session State”](#)

SERVICE_CONNECTION_ADMIN

[Section 5.1.12.2, “Administrative Connection Management”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
Selecting addresses for distributed recovery endpoints

SESSION_VARIABLES_ADMIN

[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 8.4.4, “Internal Temporary Table Use in MySQL”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 5.1.9.1, “System Variable Privileges”](#)

SET_USER_ID

[Section 6.2.11, “Account Categories”](#)
[Section 13.1.11, “ALTER VIEW Statement”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 13.7.1.5, “DROP USER Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.1.7, “RENAME USER Statement”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Section 25.7, “Stored Program Binary Logging”](#)

SHOW DATABASES

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.7.14, “SHOW DATABASES Statement”](#)

SHOW VIEW

[Section 13.8.2, “EXPLAIN Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 25.9, “Restrictions on Views”](#)
[Section 13.7.7.13, “SHOW CREATE VIEW Statement”](#)
[Section 26.3.48, “The INFORMATION_SCHEMA VIEWS Table”](#)

SHOW_ROUTINE

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.7.9, “SHOW CREATE PROCEDURE Statement”](#)
[Section 13.7.7.27, “SHOW PROCEDURE CODE Statement”](#)

[Section 13.7.7.28, “SHOW PROCEDURE STATUS Statement”](#)
[Section 25.2.2, “Stored Routines and MySQL Privileges”](#)
[Section 26.3.30, “The INFORMATION_SCHEMA ROUTINES Table”](#)

SHUTDOWN

[Section 6.2.7, “Access Control, Stage 2: Request Verification”](#)
[Section 5.6.7.3, “Cloning Remote Data”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.3, “Grant Tables”](#)
[Section 4.3.4, “mysqld_multi — Manage Multiple MySQL Servers”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.8.8, “RESTART Statement”](#)
[Section 17.1.3.4, “Setting Up Replication Using GTIDs”](#)
[Section 13.7.8.9, “SHUTDOWN Statement”](#)
[Section 5.1.19, “The Server Shutdown Process”](#)
[Section 4.10, “Unix Signal Handling in MySQL”](#)

SKIP_QUERY_REWRITE

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.3.3, “Replication Privilege Checks”](#)
[Section 5.6.4, “The Rewriter Query Rewrite Plugin”](#)
[Section 5.6.4.2, “Using the Rewriter Query Rewrite Plugin”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

SUPER

[Section 6.2.11, “Account Categories”](#)
[Section 13.7.1, “Account Management Statements”](#)
[Section 5.1.12.2, “Administrative Connection Management”](#)
[Section 13.1.4, “ALTER FUNCTION Statement”](#)
[Section 13.1.5, “ALTER INSTANCE Statement”](#)
[Section 13.1.8, “ALTER SERVER Statement”](#)
[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 13.1.11, “ALTER VIEW Statement”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 6.4.5.7, “Audit Log Filtering”](#)
[Section 6.4.5.11, “Audit Log Reference”](#)
[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 13.7.8.1, “BINLOG Statement”](#)
[Section 13.4.2.1, “CHANGE MASTER TO Statement”](#)
[Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”](#)
[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)
[Section 5.6.7.13, “Clone System Variables”](#)
[Section 10.5, “Configuring Application Character Set and Collation”](#)
[Section 18.5.1.5, “Configuring Member Actions”](#)
[Section 5.1.12.1, “Connection Interfaces”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 13.7.1.2, “CREATE ROLE Statement”](#)
[Section 13.1.18, “CREATE SERVER Statement”](#)
[Section 13.1.19, “CREATE SPATIAL REFERENCE SYSTEM Statement”](#)
[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 6.4.5.9, “Disabling Audit Logging”](#)

Section 5.1.12.3, “DNS Lookups and the Host Cache”
Section 13.7.1.4, “DROP ROLE Statement”
Section 13.1.30, “DROP SERVER Statement”
Section 13.1.31, “DROP SPATIAL REFERENCE SYSTEM Statement”
Section 13.7.1.5, “DROP USER Statement”
Section 18.7.7.4, “Exit Action”
Section 13.4.3.7, “Functions to Set and Reset Group Replication Member Actions”
Section 13.7.1.6, “GRANT Statement”
Section 18.9, “Group Replication System Variables”
Section 12.16, “Information Functions”
Section 15.13, “InnoDB Data-at-Rest Encryption”
Section 17.4.10.1, “Installing Semisynchronous Replication”
Section 6.4.4.19, “Keyring System Variables”
Section 13.7.8.4, “KILL Statement”
Section 6.1.3, “Making MySQL Secure Against Attackers”
Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”
Section A.4, “MySQL 8.0 FAQ: Stored Procedures and Functions”
Section 6.5.1, “MySQL Enterprise Data Masking and De-Identification Elements”
Section 6.5.5, “MySQL Enterprise Data Masking and De-Identification Function Descriptions”
Section 6.4.7.4, “MySQL Enterprise Firewall Reference”
Section 5.1.15, “MySQL Server Time Zone Support”
Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 6.4.4.16, “Plugin-Specific Keyring Key-Management Functions”
Section 6.2.2, “Privileges Provided by MySQL”
Section 13.7.1.7, “RENAME USER Statement”
Section 13.7.8.7, “RESET PERSIST Statement”
Section 13.7.1.8, “REVOKE Statement”
Rewriter Query Rewrite Plugin System Variables
Section 5.1.11, “Server SQL Modes”
Section 5.1.8, “Server System Variables”
Section 13.7.1.10, “SET PASSWORD Statement”
Section 13.3.7, “SET TRANSACTION Statement”
Section 17.1.2, “Setting Up Binary Log File Position Based Replication”
Section 17.1.3.4, “Setting Up Replication Using GTIDs”
Section 13.7.7.1, “SHOW BINARY LOGS Statement”
Section 13.7.7.23, “SHOW MASTER STATUS Statement”
Section 13.7.7.29, “SHOW PROCESSLIST Statement”
Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”
Section 13.4.3.1, “START GROUP_REPLICATION Statement”
Section 13.4.2.8, “START REPLICA Statement”
Section 13.3.1, “START TRANSACTION, COMMIT, and ROLLBACK Statements”
Section 13.4.3.2, “STOP GROUP_REPLICATION Statement”
Section 13.4.2.10, “STOP REPLICA Statement”
Section 25.6, “Stored Object Access Control”
Section 25.7, “Stored Program Binary Logging”
Section 5.1.9.1, “System Variable Privileges”
Section 28.4.4.2, “The diagnostics() Procedure”
Section B.3.2.5, “Too many connections”
Section 6.4.7.3, “Using MySQL Enterprise Firewall”
Section 6.2.10, “Using Roles”
Section 5.6.6.3, “Using Version Tokens”
Section 5.6.6.1, “Version Tokens Elements”
Section 5.6.6.4, “Version Tokens Reference”

SYSTEM_USER

Section 6.2.11, “Account Categories”
Section 6.4.5.7, “Audit Log Filtering”

Section 13.1.29, “DROP PROCEDURE and DROP FUNCTION Statements”
Section 13.7.1.6, “GRANT Statement”
Section 12.16, “Information Functions”
Section 13.7.8.4, “KILL Statement”
Section 6.2.2, “Privileges Provided by MySQL”
Section 5.1.8, “Server System Variables”
Section 13.7.7.29, “SHOW PROCESSLIST Statement”
Section 25.6, “Stored Object Access Control”
Section 26.3.23, “The INFORMATION_SCHEMA PROCESSLIST Table”
Section 26.3.46, “The INFORMATION_SCHEMA USER_ATTRIBUTES Table”
Section 27.12.21.6, “The processlist Table”
Section 6.2.10, “Using Roles”
Section 1.3, “What Is New in MySQL 8.0”
Section 6.4.5.8, “Writing Audit Log Filter Definitions”

SYSTEM_VARIABLES_ADMIN

Section 6.4.5.11, “Audit Log Reference”
Section 2.10.4, “Changes in MySQL 8.0”
Section 5.6.7.13, “Clone System Variables”
Section 5.6.7.3, “Cloning Remote Data”
Section 6.4.5.9, “Disabling Audit Logging”
Section 5.1.12.3, “DNS Lookups and the Host Cache”
Section 13.7.1.6, “GRANT Statement”
Section 6.2.3, “Grant Tables”
Section 8.4.4, “Internal Temporary Table Use in MySQL”
Section 6.4.4.19, “Keyring System Variables”
Section 6.4.4.14, “Migrating Keys Between Keyring Keystores”
Section 5.1.15, “MySQL Server Time Zone Support”
Section 6.4.4.16, “Plugin-Specific Keyring Key-Management Functions”
Section 6.2.2, “Privileges Provided by MySQL”
Section 13.7.8.7, “RESET PERSIST Statement”
Rewriter Query Rewrite Plugin System Variables
Section 5.1.11, “Server SQL Modes”
Section 5.1.8, “Server System Variables”
Section 5.1.9.1, “System Variable Privileges”
Section 6.2.10, “Using Roles”

T

[index top]

TABLE_ENCRYPTION_ADMIN

Section 13.1.2, “ALTER DATABASE Statement”
Section 13.1.9, “ALTER TABLE Statement”
Section 13.1.10, “ALTER TABLESPACE Statement”
Section 13.1.12, “CREATE DATABASE Statement”
Section 13.1.20, “CREATE TABLE Statement”
Section 13.1.21, “CREATE TABLESPACE Statement”
Section 13.7.1.6, “GRANT Statement”
Section 15.13, “InnoDB Data-at-Rest Encryption”
Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”
Section 6.2.2, “Privileges Provided by MySQL”
Section 13.1.36, “RENAME TABLE Statement”
Section 5.1.8, “Server System Variables”
Section 1.3, “What Is New in MySQL 8.0”

TP_CONNECTION_ADMIN

Section 13.7.1.6, “GRANT Statement”

[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.6.3.3, “Thread Pool Operation”](#)

TRIGGER

[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 13.1.34, “DROP TRIGGER Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.7.11, “SHOW CREATE TRIGGER Statement”](#)
[Section 13.7.7.40, “SHOW TRIGGERS Statement”](#)
[Section 26.3.45, “The INFORMATION_SCHEMA TRIGGERS Table”](#)

U

[\[index top\]](#)

UPDATE

[Section 6.2.11, “Account Categories”](#)
[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 13.2.7, “INSERT Statement”](#)
[Section 15.7.2.4, “Locking Reads”](#)
[Section 23.6.20.2, “NDB Cluster and MySQL Privileges”](#)
[Section 6.2.15, “Password Management”](#)
[Section 27.11, “Performance Schema General Table Characteristics”](#)
[Section 27.4, “Performance Schema Runtime Configuration”](#)
[Section 27.12.2, “Performance Schema Setup Tables”](#)
[Section 28.1, “Prerequisites for Using the sys Schema”](#)
[Section 6.2.12, “Privilege Restriction Using Partial Revokes”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.7.1.7, “RENAME USER Statement”](#)
[Section 13.7.1.8, “REVOKE Statement”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.1.9, “SET DEFAULT ROLE Statement”](#)
[Section 13.7.1.10, “SET PASSWORD Statement”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Section 26.3.46, “The INFORMATION_SCHEMA USER_ATTRIBUTES Table”](#)
[Section 16.7, “The MERGE Storage Engine”](#)
[Section 27.12.2.4, “The setup_objects Table”](#)
[Section 25.3.1, “Trigger Syntax and Examples”](#)
[Section 13.2.17, “UPDATE Statement”](#)
[Section 6.2.10, “Using Roles”](#)

USAGE

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)

V

[\[index top\]](#)

VERSION_TOKEN_ADMIN

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.6.6.3, “Using Version Tokens”](#)
[Section 5.6.6.1, “Version Tokens Elements”](#)
[Section 5.6.6.4, “Version Tokens Reference”](#)

X

[\[index top\]](#)

XA_RECOVER_ADMIN

[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.3.8.1, “XA Transaction SQL Statements”](#)

SQL Modes Index

[A](#) | [E](#) | [H](#) | [I](#) | [N](#) | [O](#) | [P](#) | [R](#) | [S](#) | [T](#)

A

[\[index top\]](#)

ALLOW_INVALID_DATES

[Section 11.2, “Date and Time Data Types”](#)
[Section 12.7, “Date and Time Functions”](#)
[Section B.3.4.2, “Problems Using DATE Columns”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 11.2.2, “The DATE, DATETIME, and TIMESTAMP Types”](#)

ANSI

[Section 9.2.5, “Function Name Parsing and Resolution”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 13.7.7.13, “SHOW CREATE VIEW Statement”](#)
[Section 26.3.48, “The INFORMATION_SCHEMA VIEWS Table”](#)

ANSI_QUOTES

[Section 13.1.20.5, “FOREIGN KEY Constraints”](#)
[Section 4.5.1.6, “mysql Client Tips”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 8.9.3, “Optimizer Hints”](#)
[Section 9.2, “Schema Object Names”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 9.1.1, “String Literals”](#)

E

[\[index top\]](#)

ERROR_FOR_DIVISION_BY_ZERO

[Section 12.25.3, “Expression Handling”](#)
[Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”](#)
[Section 12.25.5, “Precision Math Examples”](#)
[Section 5.1.11, “Server SQL Modes”](#)

H

[\[index top\]](#)

HIGH_NOT_PRECEDENCE

[Section 9.5, “Expressions”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 5.1.11, “Server SQL Modes”](#)

I

[\[index top\]](#)

IGNORE_SPACE

[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 9.2.5, “Function Name Parsing and Resolution”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 5.1.11, “Server SQL Modes”](#)

N

[\[index top\]](#)

NO_AUTO_VALUE_ON_ZERO

[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 11.1.6, “Numeric Type Attributes”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 3.6.9, “Using AUTO_INCREMENT”](#)

NO_BACKSLASH_ESCAPES

[Section 12.18.4, “Functions That Modify JSON Values”](#)
[Section 12.8.2, “Regular Expressions”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 12.8.1, “String Comparison Functions and Operators”](#)
[Section 9.1.1, “String Literals”](#)
[Section 11.5, “The JSON Data Type”](#)

NO_DIR_IN_CREATE

[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 17.5.1.10, “Replication and DIRECTORY Table Options”](#)
[Section 17.5.1.39, “Replication and Variables”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 5.4.4, “The Binary Log”](#)

NO_ENGINESUBSTITUTION

[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 16.1, “Setting the Storage Engine”](#)
[Section 17.4.4, “Using Replication with Different Source and Replica Storage Engines”](#)

NO_UNSIGNED_SUBTRACTION

[Section 12.6.1, “Arithmetic Operators”](#)
[Section 12.11, “Cast Functions and Operators”](#)
[Section 11.1.1, “Numeric Data Type Syntax”](#)

[Section 11.1.7, “Out-of-Range and Overflow Handling”](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)
[Section 5.1.11, “Server SQL Modes”](#)

NO_ZERO_DATE

[Section 11.2.5, “Automatic Initialization and Updating for TIMESTAMP and DATETIME”](#)
[Section 12.11, “Cast Functions and Operators”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 11.2, “Date and Time Data Types”](#)
[Section 12.7, “Date and Time Functions”](#)
[Section 13.2.9, “LOAD DATA Statement”](#)
[Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”](#)
[Section B.3.4.2, “Problems Using DATE Columns”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 11.2.2, “The DATE, DATETIME, and TIMESTAMP Types”](#)

NO_ZERO_IN_DATE

[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 11.2, “Date and Time Data Types”](#)
[Section 13.2.9, “LOAD DATA Statement”](#)
[Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”](#)
[Section B.3.4.2, “Problems Using DATE Columns”](#)
[Section 5.1.11, “Server SQL Modes”](#)

O

[\[index top\]](#)

ONLY_FULL_GROUP_BY

[Section 3.3.4.8, “Counting Rows”](#)
[Section 12.20.2, “GROUP BY Modifiers”](#)
[Section 12.24, “Miscellaneous Functions”](#)
[Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”](#)
[Section 12.20.3, “MySQL Handling of GROUP BY”](#)
[Section 5.1.11, “Server SQL Modes”](#)

P

[\[index top\]](#)

PAD_CHAR_TO_FULL_LENGTH

[Section 5.1.11, “Server SQL Modes”](#)
[Section 11.3.1, “String Data Type Syntax”](#)
[Section 11.3.2, “The CHAR and VARCHAR Types”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

PIPES_AS_CONCAT

[Section 9.5, “Expressions”](#)
[Section 12.4.3, “Logical Operators”](#)
[Section 12.4.1, “Operator Precedence”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

R

[\[index top\]](#)

REAL_AS_FLOAT

[Section 11.1.1, “Numeric Data Type Syntax”](#)
[Section 11.1, “Numeric Data Types”](#)
[Section 5.1.11, “Server SQL Modes”](#)

S

[\[index top\]](#)

STRICT_ALL_TABLES

[Section 12.25.3, “Expression Handling”](#)
[Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 17.5.3, “Upgrading a Replication Topology”](#)

STRICT_TRANS_TABLES

[Section 12.25.3, “Expression Handling”](#)
[Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 17.5.3, “Upgrading a Replication Topology”](#)

T

[\[index top\]](#)

TIME_TRUNCATE_FRACTIONAL

[Section 11.2.6, “Fractional Seconds in Time Values”](#)
[Section 5.1.11, “Server SQL Modes”](#)

TRADITIONAL

[Section 11.2.5, “Automatic Initialization and Updating for TIMESTAMP and DATETIME”](#)
[Section 12.25.3, “Expression Handling”](#)
[Section A.3, “MySQL 8.0 FAQ: Server SQL Mode”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 5.1.8, “Server System Variables”](#)

Statement/Syntax Index

[A](#) | [B](#) | [C](#) | [D](#) | [E](#) | [F](#) | [G](#) | [H](#) | [I](#) | [J](#) | [K](#) | [L](#) | [O](#) | [P](#) | [R](#) | [S](#) | [T](#) | [U](#) | [V](#) | [W](#) | [X](#)

A

[\[index top\]](#)

ADD PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

ALTER DATABASE

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 10.5, “Configuring Application Character Set and Collation”](#)
[Section 10.3.3, “Database Character Set and Collation”](#)
[Section 17.2.5.1, “Evaluation of Database-Level Replication and Binary Logging Options”](#)
[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)

[Section 5.1.8, “Server System Variables”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

ALTER EVENT

[Section 17.1.2.8, “Adding Replicas to a Replication Environment”](#)
[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.3, “ALTER EVENT Statement”](#)
[Section 13.1.13, “CREATE EVENT Statement”](#)
[Section 25.4.4, “Event Metadata”](#)
[Section 25.4.1, “Event Scheduler Overview”](#)
[Section 25.4.3, “Event Syntax”](#)
[Section 12.16, “Information Functions”](#)
[Section 17.5.1.8, “Replication of CURRENT_USER\(\)”](#)
[Section 17.5.1.16, “Replication of Invoked Features”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Setting Up Replication with Existing Data](#)
[Section 13.7.7.18, “SHOW EVENTS Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.4.6, “The Event Scheduler and MySQL Privileges”](#)
[Section 26.3.14, “The INFORMATION_SCHEMA EVENTS Table”](#)

ALTER EVENT event_name ENABLE

[Section 17.5.1.16, “Replication of Invoked Features”](#)

ALTER FUNCTION

[Section 13.1.4, “ALTER FUNCTION Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.1, “Stored Routine Syntax”](#)

ALTER IGNORE TABLE

[Section 24.3.4, “Maintenance of Partitions”](#)

ALTER INSTANCE

[Section 13.1.5, “ALTER INSTANCE Statement”](#)
[Section 15.6.5, “Redo Log”](#)

ALTER INSTANCE DISABLE INNODB REDO_LOG

[Section 15.6.5, “Redo Log”](#)

ALTER INSTANCE INNODB REDO_LOG

[Section 13.1.5, “ALTER INSTANCE Statement”](#)
[Section 15.6.5, “Redo Log”](#)

ALTER INSTANCE RELOAD KEYRING

[Section 13.1.5, “ALTER INSTANCE Statement”](#)
[Section 6.4.4.2, “Keyring Component Installation”](#)
[Section 6.4.4.11, “Using the Oracle Cloud Infrastructure Vault Keyring Component”](#)

ALTER INSTANCE RELOAD TLS

[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 6.3.5, “Reusing SSL Sessions”](#)
[Section 18.6.2, “Securing Group Communication Connections with Secure Socket Layer \(SSL\)”](#)
[Section 5.1.7, “Server Command Options”](#)

[Section 5.1.10, “Server Status Variables”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 27.12.21.8, “The tls_channel_status Table”](#)

ALTER INSTANCE ROTATE BINLOG MASTER KEY

[Section 17.3.2.3, “Binary Log Master Key Rotation”](#)

ALTER INSTANCE ROTATE INNODB MASTER KEY

[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)
[Section A.17, “MySQL 8.0 FAQ: InnoDB Data-at-Rest Encryption”](#)

ALTER INSTANCE {ENABLE|DISABLE} INNODB REDO_LOG

[Section 8.5.5, “Bulk Data Loading for InnoDB Tables”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER LOGFILE GROUP

[Section 13.1.6, “ALTER LOGFILE GROUP Statement”](#)
[Section 23.4.3.6, “Defining NDB Cluster Data Nodes”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)
[Section 23.6.11.1, “NDB Cluster Disk Data Objects”](#)
[Section 26.3.15, “The INFORMATION_SCHEMA FILES Table”](#)

ALTER PROCEDURE

[Section 13.1.7, “ALTER PROCEDURE Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.1, “Stored Routine Syntax”](#)

ALTER RESOURCE GROUP

[Section 13.7.2.1, “ALTER RESOURCE GROUP Statement”](#)
[Section 5.1.16, “Resource Groups”](#)

ALTER SCHEMA

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)

ALTER SERVER

[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.5.1.5, “Replication of CREATE SERVER, ALTER SERVER, and DROP SERVER”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

ALTER TABLE

[Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”](#)
[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.9.2, “ALTER TABLE and Generated Columns”](#)
[Section 13.1.9.3, “ALTER TABLE Examples”](#)
[Section 13.1.9.1, “ALTER TABLE Partition Operations”](#)
[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 13.7.3.1, “ANALYZE TABLE Statement”](#)
[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 12.11, “Cast Functions and Operators”](#)
[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)
[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 13.7.3.2, “CHECK TABLE Statement”](#)

Section 10.3.5, “Column Character Set and Collation”
Section 10.7, “Column Character Set Conversion”
Section 8.3.5, “Column Indexes”
Section 15.8.10, “Configuring Optimizer Statistics for InnoDB”
Configuring Optimizer Statistics Parameters for Individual Tables
Section 15.8.11, “Configuring the Merge Threshold for Index Pages”
Section 15.7.2.3, “Consistent Nonlocking Reads”
Section 15.20.6.4, “Controlling Transactional Behavior of the InnoDB memcached Plugin”
Section 10.9.8, “Converting Between 3-Byte and 4-Byte Unicode Character Sets”
Section 15.6.1.5, “Converting Tables from MyISAM to InnoDB”
Section 13.1.15, “CREATE INDEX Statement”
Section 13.1.20.4, “CREATE TABLE ... SELECT Statement”
Section 13.1.20, “CREATE TABLE Statement”
Section 13.1.21, “CREATE TABLESPACE Statement”
Section 3.3.2, “Creating a Table”
Section 15.9.1.2, “Creating Compressed Tables”
Section 15.6.1.1, “Creating InnoDB Tables”
Section 11.4.6, “Creating Spatial Columns”
Section 11.4.10, “Creating Spatial Indexes”
Section 11.6, “Data Type Default Values”
Section 23.4.3.6, “Defining NDB Cluster Data Nodes”
Section 15.11.4, “Defragmenting a Table”
Section 17.2.1.3, “Determination of Safe and Unsafe Statements in Binary Logging”
Section 13.1.27, “DROP INDEX Statement”
Section 15.8.10.3, “Estimating ANALYZE TABLE Complexity for InnoDB Tables”
Section 24.3.3, “Exchanging Partitions and Subpartitions with Tables”
Section 8.8.2, “EXPLAIN Output Format”
Section 16.8.3, “FEDERATED Storage Engine Notes and Tips”
Section 15.6.3.2, “File-Per-Table Tablespaces”
Section 12.10.6, “Fine-Tuning MySQL Full-Text Search”
Section 15.21.3, “Forcing InnoDB Recovery”
Section 1.6.3.2, “FOREIGN KEY Constraints”
Section 13.1.20.5, “FOREIGN KEY Constraints”
Section 12.10, “Full-Text Search Functions”
Section 15.6.3.3, “General Tablespaces”
Section 8.14.3, “General Thread States”
Section 13.1.20.11, “Generated Invisible Primary Keys”
Section 13.7.1.6, “GRANT Statement”
Section 15.9.1.5, “How Compression Works for InnoDB Tables”
Section B.3.3.4, “How MySQL Handles a Full Disk”
Section 7.6.3, “How to Repair MyISAM Tables”
Section 12.16, “Information Functions”
Section 23.3.3, “Initial Configuration of NDB Cluster”
Section 8.3.8, “InnoDB and MyISAM Index Statistics Collection”
Section 15.12, “InnoDB and Online DDL”
Section 15.13, “InnoDB Data-at-Rest Encryption”
Section 15.6.2.4, “InnoDB Full-Text Indexes”
Section 15.16, “InnoDB Integration with MySQL Performance Schema”
Section 15.9.2, “InnoDB Page Compression”
Section 15.10, “InnoDB Row Formats”
Section 15.14, “InnoDB Startup Options and System Variables”
Section 15.9.1, “InnoDB Table Compression”
Section 13.1.20.10, “Invisible Columns”
Section 8.3.12, “Invisible Indexes”
Section 23.2.7.8, “Issues Exclusive to NDB Cluster”
Section 13.7.8.4, “KILL Statement”
Section B.3.7, “Known Issues in MySQL”
Section 23.2.7.10, “Limitations Relating to Multiple NDB Cluster Nodes”

[Section 23.2.7.2, “Limits and Differences of NDB Cluster from Standard MySQL Limits”](#)
[Section 8.4.6, “Limits on Table Size”](#)
[Section 23.2.7.3, “Limits Relating to Transaction Handling in NDB Cluster”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)
[Section 24.3.4, “Maintenance of Partitions”](#)
[Section 24.3.2, “Management of HASH and KEY Partitions”](#)
[Section 24.3.1, “Management of RANGE and LIST Partitions”](#)
[Section 12.10.9, “MeCab Full-Text Parser Plugin”](#)
[Section 16.7.2, “MERGE Table Problems”](#)
[Section 15.16.1, “Monitoring ALTER TABLE Progress for InnoDB Tables Using Performance Schema”](#)
[Section 15.6.1.4, “Moving or Copying InnoDB Tables”](#)
[Section 16.2.1, “MyISAM Startup Options”](#)
[Section 16.2.3, “MyISAM Table Storage Formats”](#)
[Section 4.6.4.1, “myisamchk General Options”](#)
[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[MySQL Glossary](#)
[MySQL Server Options for NDB Cluster](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.4.3.1, “NDB Cluster Configuration: Basic Example”](#)
[Section 23.6.11.1, “NDB Cluster Disk Data Objects”](#)
[Section 23.3.5, “NDB Cluster Example with Tables and Data”](#)
[Section 23.7.4, “NDB Cluster Replication Schema and Tables”](#)
[NDB Cluster System Variables](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 23.5.23, “ndb_restore — Restore an NDB Cluster Backup”](#)
[Section 12.10.8, “ngram Full-Text Parser”](#)
[Section 23.2.7.1, “Noncompliance with SQL Syntax in NDB Cluster”](#)
[Section 15.12.7, “Online DDL Failure Conditions”](#)
[Section 15.12.8, “Online DDL Limitations”](#)
[Section 15.12.1, “Online DDL Operations”](#)
[Section 15.12.2, “Online DDL Performance and Concurrency”](#)
[Section 23.6.12, “Online Operations with ALTER TABLE in NDB Cluster”](#)
[Section 13.7.3.4, “OPTIMIZE TABLE Statement”](#)
[Section 8.4.1, “Optimizing Data Size”](#)
[Section 11.1.7, “Out-of-Range and Overflow Handling”](#)
[Section 24.1, “Overview of Partitioning in MySQL”](#)
[Section 15.9.1.1, “Overview of Table Compression”](#)
[Section 24.3, “Partition Management”](#)
[Section 24.6.1, “Partitioning Keys, Primary Keys, and Unique Keys”](#)
[Section 24.6.2, “Partitioning Limitations Relating to Storage Engines”](#)
[Section 27.12.5, “Performance Schema Stage Event Tables”](#)
[Section 2.10.5, “Preparing Your Installation for Upgrade”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section B.3.6.1, “Problems with ALTER TABLE”](#)
[Section 24.2.3.1, “RANGE COLUMNS partitioning”](#)
[Section 24.2.1, “RANGE Partitioning”](#)
[Section 2.10.13, “Rebuilding or Repairing Tables or Indexes”](#)
[Section 14.2, “Removal of File-based Metadata Storage”](#)
[Section 13.1.36, “RENAME TABLE Statement”](#)
[Section 17.5.1.1, “Replication and AUTO_INCREMENT”](#)
[Section 17.5.1.26, “Replication and Reserved Words”](#)
[Replication with More Columns on Source or Replica](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)
[Section 25.9, “Restrictions on Views”](#)
[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)
[Section 5.1.7, “Server Command Options”](#)

Section 5.1.11, “Server SQL Modes”
Section 5.1.8, “Server System Variables”
Section 13.1.20.12, “Setting NDB Comment Options”
Section 5.4.4.2, “Setting The Binary Log Format”
Section 16.1, “Setting the Storage Engine”
Section 13.7.7.15, “SHOW ENGINE Statement”
Section 13.7.7.22, “SHOW INDEX Statement”
Section 13.7.7.39, “SHOW TABLES Statement”
Section 13.7.7.42, “SHOW WARNINGS Statement”
Section 13.1.20.7, “Silent Column Specification Changes”
Section 15.12.6, “Simplifying DDL Statements with Online DDL”
Section 15.9.1.7, “SQL Compression Syntax Warnings and Errors”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 11.3.1, “String Data Type Syntax”
Section 10.3.4, “Table Character Set and Collation”
Section 15.6.3.9, “Tablespace AUTOEXTEND_SIZE Configuration”
Section B.3.6.2, “TEMPORARY Table Problems”
Section 26.4.23, “The INFORMATION_SCHEMA INNODB_TABLES Table”
Section 26.3.21, “The INFORMATION_SCHEMA PARTITIONS Table”
Section 26.3.34, “The INFORMATION_SCHEMA STATISTICS Table”
Section 16.3, “The MEMORY Storage Engine”
Section 16.2, “The MyISAM Storage Engine”
Section 23.6.16.4, “The ndbinfo blobs Table”
Section 5.4.5, “The Slow Query Log”
Section 23.2.7.6, “Unsupported or Missing Features in NDB Cluster”
Section 23.3.7, “Upgrading and Downgrading NDB Cluster”
Section 3.6.9, “Using AUTO_INCREMENT”
Section 17.4.4, “Using Replication with Different Source and Replica Storage Engines”
Section 8.12.2.2, “Using Symbolic Links for MyISAM Tables on Unix”
Section 1.3, “What Is New in MySQL 8.0”
Section 23.2.4, “What is New in MySQL NDB Cluster”
Section B.3.3.3, “What to Do If MySQL Keeps Crashing”
Section B.3.3.5, “Where MySQL Stores Temporary Files”

ALTER TABLE ... ADD COLUMN

Section 26.4.9, “The INFORMATION_SCHEMA INNODB_COLUMNS Table”

ALTER TABLE ... ADD COLUMN ... ALGORITHM=INSTANT

Section 24.6, “Restrictions and Limitations on Partitioning”

ALTER TABLE ... ADD FOREIGN KEY

Section 13.1.9, “ALTER TABLE Statement”

ALTER TABLE ... ADD PARTITION

Section 24.3.1, “Management of RANGE and LIST Partitions”

ALTER TABLE ... ALGORITHM=COPY

Section 13.1.9, “ALTER TABLE Statement”

Section 13.1.20.5, “FOREIGN KEY Constraints”

ALTER TABLE ... ALGORITHM=DEFAULT|INPLACE|COPY

Section 23.6.12, “Online Operations with ALTER TABLE in NDB Cluster”

ALTER TABLE ... ALGORITHM=INPLACE

Section 13.1.9, “ALTER TABLE Statement”

Section 13.1.20.5, “FOREIGN KEY Constraints”

Section 15.12.8, “Online DDL Limitations”

ALTER TABLE ... ALGORITHM=INPLACE, REORGANIZE PARTITION

[Section 23.6.7.2, “Adding NDB Cluster Data Nodes Online: Basic procedure”](#)
[Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”](#)

ALTER TABLE ... ALGORITHM=INSTANT

[Section 15.12.1, “Online DDL Operations”](#)
[Section 26.4.23, “The INFORMATION_SCHEMA INNODB_TABLES Table”](#)

ALTER TABLE ... ALTER INDEX ... INVISIBLE

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

ALTER TABLE ... AUTO_INCREMENT = N

[Section 15.6.1.6, “AUTO_INCREMENT Handling in InnoDB”](#)

ALTER TABLE ... COMPRESSION

[Section 15.9.2, “InnoDB Page Compression”](#)

ALTER TABLE ... COMPRESSION=None

[Section 15.9.2, “InnoDB Page Compression”](#)

ALTER TABLE ... CONVERT TO CHARACTER SET

[Section 13.7.3.1, “ANALYZE TABLE Statement”](#)

ALTER TABLE ... DISABLE KEYS

[Section 13.2.9, “LOAD DATA Statement”](#)

ALTER TABLE ... DISCARD PARTITION ... TABLESPACE

[Section 15.6.1.3, “Importing InnoDB Tables”](#)

ALTER TABLE ... DISCARD TABLESPACE

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

[Section 15.6.3.3, “General Tablespaces”](#)

[Section 15.6.1.3, “Importing InnoDB Tables”](#)

[MySQL Glossary](#)

[Section 26.4.24, “The INFORMATION_SCHEMA INNODB_TABLESPACES Table”](#)

ALTER TABLE ... DROP COLUMN

[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER TABLE ... DROP FOREIGN KEY

[Section 13.1.9, “ALTER TABLE Statement”](#)

ALTER TABLE ... DROP PARTITION

[Section 17.5.1.24, “Replication and Partitioning”](#)

ALTER TABLE ... ENABLE KEYS

[Section 13.2.9, “LOAD DATA Statement”](#)

ALTER TABLE ... ENCRYPTION

[Section 13.1.5, “ALTER INSTANCE Statement”](#)

ALTER TABLE ... ENGINE

[Section 5.1.8, “Server System Variables”](#)

ALTER TABLE ... ENGINE = MEMORY

[Section 17.5.1.21, “Replication and MEMORY Tables”](#)

ALTER TABLE ... ENGINE permitted_engine

[Section 5.1.8, “Server System Variables”](#)

ALTER TABLE ... ENGINE=INNODB

[Section 23.7.4, “NDB Cluster Replication Schema and Tables”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER TABLE ... ENGINE=NDB

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

ALTER TABLE ... EXCHANGE PARTITION

[Section 13.1.9, “ALTER TABLE Statement”](#)

[Section 24.3.3, “Exchanging Partitions and Subpartitions with Tables”](#)

ALTER TABLE ... FORCE

[Section 13.7.3.4, “OPTIMIZE TABLE Statement”](#)

ALTER TABLE ... IMPORT PARTITION ... TABLESPACE

[Section 15.6.1.3, “Importing InnoDB Tables”](#)

ALTER TABLE ... IMPORT TABLESPACE

[Section 15.6.1.3, “Importing InnoDB Tables”](#)

[Section 15.6.1.4, “Moving or Copying InnoDB Tables”](#)

[MySQL Glossary](#)

ALTER TABLE ... OPTIMIZE PARTITION

[Section 24.3.4, “Maintenance of Partitions”](#)

[Section 24.6.2, “Partitioning Limitations Relating to Storage Engines”](#)

ALTER TABLE ... PARTITION BY

[Section 24.6.1, “Partitioning Keys, Primary Keys, and Unique Keys”](#)

ALTER TABLE ... PARTITION BY ...

[Section 24.3.1, “Management of RANGE and LIST Partitions”](#)

[Section 24.6, “Restrictions and Limitations on Partitioning”](#)

ALTER TABLE ... REMOVE PARTITIONING

[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER TABLE ... RENAME

[Section 8.12.2.2, “Using Symbolic Links for MyISAM Tables on Unix”](#)

ALTER TABLE ... RENAME COLUMN

[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER TABLE ... REORGANIZE PARTITION

[Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”](#)

[Section 23.6.7.1, “Adding NDB Cluster Data Nodes Online: General Issues”](#)

[Section 23.6.1, “Commands in the NDB Cluster Management Client”](#)

[Section 2.10.5, “Preparing Your Installation for Upgrade”](#)

ALTER TABLE ... REPAIR PARTITION

[Section 24.3.3, “Exchanging Partitions and Subpartitions with Tables”](#)

[Section 24.3.4, “Maintenance of Partitions”](#)

ALTER TABLE ... TABLESPACE

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

ALTER TABLE ... TRUNCATE PARTITION

[Section 24.3.4, “Maintenance of Partitions”](#)

[Section 24.3, “Partition Management”](#)

ALTER TABLE ... TRUNCATE PARTITION ALL

[Section 24.3.4, “Maintenance of Partitions”](#)

ALTER TABLE ... IMPORT TABLESPACE

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

[Section 15.6.3.3, “General Tablespaces”](#)

ALTER TABLE EXCHANGE PARTITION

[Section 24.3.3, “Exchanging Partitions and Subpartitions with Tables”](#)

ALTER TABLE mysql.ndb_apply_status ENGINE=MyISAM

[Section 23.7.3, “Known Issues in NDB Cluster Replication”](#)

ALTER TABLE ndb_table ... ALGORITHM=INPLACE, TABLESPACE=new_tablespace

[Section 23.6.12, “Online Operations with ALTER TABLE in NDB Cluster”](#)

ALTER TABLE t TRUNCATE PARTITION ()

[Section 13.2.2, “DELETE Statement”](#)

ALTER TABLE table ENGINE = NDB

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

ALTER TABLE table FORCE

[Section 2.10.4, “Changes in MySQL 8.0”](#)

ALTER TABLE table_name ENGINE=InnoDB;

[Section 15.1.4, “Testing and Benchmarking with InnoDB”](#)

ALTER TABLE table_name REORGANIZE PARTITION

[Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”](#)

ALTER TABLE tbl_name ENCRYPTION = 'Y'

[Section A.17, “MySQL 8.0 FAQ: InnoDB Data-at-Rest Encryption”](#)

ALTER TABLE tbl_name ENGINE=engine_name

[Section 15.8.2, “Configuring InnoDB for Read-Only Operation”](#)

[Section 14.7, “Data Dictionary Usage Differences”](#)

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

ALTER TABLE tbl_name ENGINE=INNODB

[Section 13.1.9, “ALTER TABLE Statement”](#)

[Section 15.11.4, “Defragmenting a Table”](#)

ALTER TABLE tbl_name FORCE

[Section 13.1.9, “ALTER TABLE Statement”](#)

[Section 15.11.4, “Defragmenting a Table”](#)

ALTER TABLE *tbl_name* TABLESPACE *tablespace_name*

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

[Section 15.6.3.3, “General Tablespaces”](#)

[MySQL Glossary](#)

ALTER TABLESPACE

[Section 13.1.10, “ALTER TABLESPACE Statement”](#)

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

[Section 23.4.3.6, “Defining NDB Cluster Data Nodes”](#)

[Section 13.1.33, “DROP TABLESPACE Statement”](#)

[Section 15.6.3.3, “General Tablespaces”](#)

[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)

[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)

[Section 23.6.11.1, “NDB Cluster Disk Data Objects”](#)

[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

[Section 15.6.3.9, “Tablespace AUTOEXTEND_SIZE Configuration”](#)

[Section 26.3.15, “The INFORMATION_SCHEMA FILES Table”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER TABLESPACE ... ADD DATAFILE

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

ALTER TABLESPACE ... DROP DATAFILE

[Section 13.1.33, “DROP TABLESPACE Statement”](#)

ALTER TABLESPACE ... DROP DATATFILE

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

ALTER TABLESPACE ... ENCRYPTION

[Section 15.12.1, “Online DDL Operations”](#)

ALTER TABLESPACE ... ENGINE

[Section 5.1.8, “Server System Variables”](#)

ALTER TABLESPACE ... RENAME TO

[Section 15.6.3.3, “General Tablespaces”](#)

[Section 15.12.1, “Online DDL Operations”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER TABLESPACE *tablespace_name* ENCRYPTION = 'Y'

[Section A.17, “MySQL 8.0 FAQ: InnoDB Data-at-Rest Encryption”](#)

ALTER UNDO TABLESPACE

[Section 2.10.4, “Changes in MySQL 8.0”](#)

[Section 15.6.3.4, “Undo Tablespaces”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER UNDO TABLESPACE ... SET INACTIVE

[Section 26.4.24, “The INFORMATION_SCHEMA INNODB_TABLESPACES Table”](#)

ALTER UNDO TABLESPACE *tablespace_name* SET ACTIVE

[Section 15.6.3.4, “Undo Tablespaces”](#)

ALTER UNDO TABLESPACE *tablespace_name* SET INACTIVE

[Section 15.6.3.4, “Undo Tablespaces”](#)

ALTER USER

[Section 6.2.6, “Access Control, Stage 1: Connection Verification”](#)
[Section 6.2.20, “Account Locking”](#)
[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 13.7.1.2, “CREATE ROLE Statement”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 6.1.2.1, “End-User Guidelines for Password Security”](#)
[Section 6.4.1.11, “FIDO Pluggable Authentication”](#)
[Section 6.8, “FIPS Support”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.3, “Grant Tables”](#)
[Section 2.9.1, “Initializing the Data Directory”](#)
[Section 6.4.1.7, “LDAP Pluggable Authentication”](#)
[Section 6.1.3, “Making MySQL Secure Against Attackers”](#)
[Section 6.2.18, “Multifactor Authentication”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 6.2.15, “Password Management”](#)
[Section 6.4.3.2, “Password Validation Options and Variables”](#)
[Section 6.2.17, “Pluggable Authentication”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.2.19, “Proxy Users”](#)
[Resetting the Root Password: Generic Instructions](#)
[Section 6.2.16, “Server Handling of Expired Passwords”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.1.9, “SET DEFAULT ROLE Statement”](#)
[Section 13.7.1.10, “SET PASSWORD Statement”](#)
[Section 6.2.21, “Setting Account Resource Limits”](#)
[Section 6.4.1.10, “Socket Peer-Credential Pluggable Authentication”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 26.3.46, “The INFORMATION_SCHEMA USER_ATTRIBUTES Table”](#)
[Section 6.4.3, “The Password Validation Component”](#)
[Section 6.2.10, “Using Roles”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

ALTER USER ... DEFAULT ROLE

[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 13.7.1.9, “SET DEFAULT ROLE Statement”](#)

ALTER USER ... MODIFY

[Section 6.2.2, “Privileges Provided by MySQL”](#)

ALTER USER ... UNLOCK

[Section 6.2.20, “Account Locking”](#)
[Section 13.7.1.1, “ALTER USER Statement”](#)
[Section 6.2.15, “Password Management”](#)

ALTER USER user ADD factor

[Section 6.2.18, “Multifactor Authentication”](#)

ALTER USER user DROP factor

[Section 6.2.18, “Multifactor Authentication”](#)

ALTER USER user MODIFY factor

[Section 6.2.18, “Multifactor Authentication”](#)

ALTER VIEW

[Section 13.1.2, “ALTER DATABASE Statement”](#)

[Section 13.1.11, “ALTER VIEW Statement”](#)

[Section 12.16, “Information Functions”](#)

[Section 17.5.1.8, “Replication of CURRENT_USER\(\)”](#)

[Section 25.8, “Restrictions on Stored Programs”](#)

[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

[Section 25.6, “Stored Object Access Control”](#)

[Section 25.5.2, “View Processing Algorithms”](#)

[Section 25.5.1, “View Syntax”](#)

ANALYZE PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

ANALYZE TABLE

[Section 13.1.9, “ALTER TABLE Statement”](#)

[Section 13.7.3.1, “ANALYZE TABLE Statement”](#)

[Section 2.10.4, “Changes in MySQL 8.0”](#)

[Configuring Automatic Statistics Calculation for Persistent Optimizer Statistics](#)

[Section 15.8.2, “Configuring InnoDB for Read-Only Operation”](#)

[Section 15.8.10.2, “Configuring Non-Persistent Optimizer Statistics Parameters”](#)

[Section 15.8.10, “Configuring Optimizer Statistics for InnoDB”](#)

[Configuring Optimizer Statistics Parameters for Individual Tables](#)

[Configuring the Number of Sampled Pages for InnoDB Optimizer Statistics](#)

[Section 8.9, “Controlling the Query Optimizer”](#)

[Section 13.1.15, “CREATE INDEX Statement”](#)

[Section 13.1.20, “CREATE TABLE Statement”](#)

[Section 14.7, “Data Dictionary Usage Differences”](#)

[Section 15.8.10.3, “Estimating ANALYZE TABLE Complexity for InnoDB Tables”](#)

[Section 8.8.2, “EXPLAIN Output Format”](#)

[Section 13.8.2, “EXPLAIN Statement”](#)

[Section 12.10.6, “Fine-Tuning MySQL Full-Text Search”](#)

[Section 8.14.3, “General Thread States”](#)

[Including Delete-marked Records in Persistent Statistics Calculations](#)

[Section 14.5, “INFORMATION_SCHEMA and Data Dictionary Integration”](#)

[Section 8.3.8, “InnoDB and MyISAM Index Statistics Collection”](#)

[InnoDB Persistent Statistics Tables](#)

[InnoDB Persistent Statistics Tables Example](#)

[Section 15.14, “InnoDB Startup Options and System Variables”](#)

[Section 24.3.4, “Maintenance of Partitions”](#)

[Section 16.7.2, “MERGE Table Problems”](#)

[Section 7.6, “MyISAM Table Maintenance and Crash Recovery”](#)

[Section 4.6.4.1, “myisamchk General Options”](#)

[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)

[MySQL Glossary](#)

[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 23.5.14, “ndb_index_stat — NDB Index Statistics Utility”](#)

[Section 8.9.6, “Optimizer Statistics”](#)

[Section 8.2.3, “Optimizing INFORMATION_SCHEMA Queries”](#)

[Section 8.6.1, “Optimizing MyISAM Queries”](#)

[Section 8.8.1, “Optimizing Queries with EXPLAIN”](#)

[Section 8.2.1, “Optimizing SELECT Statements”](#)

[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 8.2.1.2, “Range Optimization”](#)
[Section 17.5.1.13, “Replication and FLUSH”](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.7.22, “SHOW INDEX Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 26.4.26, “The INFORMATION_SCHEMA INNODB_TABLESTATS View”](#)
[Section 26.3.34, “The INFORMATION_SCHEMA STATISTICS Table”](#)
[Section 26.3.38, “The INFORMATION_SCHEMA TABLES Table”](#)
[Section 5.3, “The mysql System Schema”](#)
[Section 5.4.5, “The Slow Query Log”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

B

[\[index top\]](#)

BEGIN

[Section 15.7.2.2, “autocommit, Commit, and Rollback”](#)
[Section 13.6.1, “BEGIN ... END Compound Statement”](#)
[Section 23.7.12, “NDB Cluster Replication Conflict Resolution”](#)
[Section 27.12.7, “Performance Schema Transaction Tables”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.5.1.35, “Replication and Transactions”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 27.12.7.1, “The events_transactions_current Table”](#)

BEGIN ... END

[Section 13.6.1, “BEGIN ... END Compound Statement”](#)
[Section 13.6.5.1, “CASE Statement”](#)
[Section 13.6, “Compound Statement Syntax”](#)
[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 13.6.6.1, “Cursor CLOSE Statement”](#)
[Section 13.6.6.3, “Cursor FETCH Statement”](#)
[Section 13.6.7.2, “DECLARE ... HANDLER Statement”](#)
[Section 13.6.3, “DECLARE Statement”](#)
[Section 25.1, “Defining Stored Programs”](#)
[Section 25.4.1, “Event Scheduler Overview”](#)
[Section 13.6.5.4, “LEAVE Statement”](#)
[Section 13.6.4.1, “Local Variable DECLARE Statement”](#)
[Section 13.6.4.2, “Local Variable Scope and Resolution”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 13.6.7.6, “Scope Rules for Handlers”](#)
[Section 13.3.1, “START TRANSACTION, COMMIT, and ROLLBACK Statements”](#)
[Section 13.6.2, “Statement Labels”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.3.1, “Trigger Syntax and Examples”](#)

BINLOG

[Section 17.1.6.4, “Binary Logging Options and Variables”](#)
[Section 13.7.8.1, “BINLOG Statement”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 4.6.9.2, “mysqlbinlog Row Event Display”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.3.3, “Replication Privilege Checks”](#)
[Section 5.1.8, “Server System Variables”](#)

C

[[index](#) [top](#)]

CACHE INDEX

[Section 13.7.8.2, “CACHE INDEX Statement”](#)
[Section 8.10.2.4, “Index Preloading”](#)
[Section 13.7.8.5, “LOAD INDEX INTO CACHE Statement”](#)
[Section 8.10.2.2, “Multiple Key Caches”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

CALL

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.2.1, “CALL Statement”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 13.5, “Prepared Statements”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Chapter 25, *Stored Objects*](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.1, “Stored Routine Syntax”](#)
[Section 25.3.1, “Trigger Syntax and Examples”](#)

CALL p()

[Section 13.6.7.4, “RESIGNAL Statement”](#)

CASE

[Section 8.10.3, “Caching of Prepared Statements and Stored Programs”](#)
[Section 13.6.5.1, “CASE Statement”](#)
[Section 12.5, “Flow Control Functions”](#)
[Section 13.6.5, “Flow Control Statements”](#)

CHANGE MASTER TO

[Adding a Second Instance](#)
[Adding Additional Instances](#)
[Section 17.1.5.4, “Adding Binary Log Based Replication Sources to a Multi-Source Replica”](#)
[Section 17.1.5.3, “Adding GTID-Based Sources to a Multi-Source Replica”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 17.4.9.1, “Asynchronous Connection Failover for Sources”](#)
[Section 17.4.1.2, “Backing Up Raw Data from a Replica”](#)
[Section 17.1.1, “Binary Log File Position Based Replication Configuration Overview”](#)
[Section 6.4.1.2, “Caching SHA-2 Pluggable Authentication”](#)
[Section 13.4.2.1, “CHANGE MASTER TO Statement”](#)
[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)
[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 17.1.7.1, “Checking Replication Status”](#)
[Section 5.6.7.7, “Cloning for Replication”](#)
[Cloning Operations](#)
[Section 17.2.2.1, “Commands for Operations on a Single Channel”](#)
[Section 17.2.2.2, “Compatibility with Previous Replication Statements”](#)
[Section 4.2.8, “Connection Compression Control”](#)
[Creating a Data Snapshot Using mysqldump](#)
[Section 17.1.2.3, “Creating a User for Replication”](#)

Section 6.3.2, “Encrypted Connection TLS Protocols and Ciphers”
Section 18.10, “Frequently Asked Questions”
Section 13.7.1.6, “GRANT Statement”
Section 18.3.1, “Group Replication Requirements”
Section 18.9, “Group Replication System Variables”
Section 17.1.3.3, “GTID Auto-Positioning”
Section 17.4.2, “Handling an Unexpected Halt of a Replica”
Section 23.7.8, “Implementing Failover with NDB Cluster Replication”
Monitoring Binary Log Transaction Compression
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 23.7.9, “NDB Cluster Backups With NDB Cluster Replication”
Section 23.7.10, “NDB Cluster Replication: Bidirectional and Circular Replication”
Section 5.1.14, “Network Namespace Support”
Section 27.12.11, “Performance Schema Replication Tables”
Section 23.7.5, “Preparing the NDB Cluster for Replication”
Prerequisites for Cloning
Section 17.3.3.2, “Privilege Checks For Group Replication Channels”
Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”
Section 6.2.2, “Privileges Provided by MySQL”
Providing Replication User Credentials Securely
Section 17.1.6.3, “Replica Server Options and Variables”
Section 17.1.6, “Replication and Binary Logging Options and Variables”
Section 17.5.1.28, “Replication and Source or Replica Shutdowns”
Section 17.5.1.34, “Replication and Transaction Inconsistencies”
Section 8.14.7, “Replication Connection Thread States”
Section 8.14.5, “Replication I/O (Receiver) Thread States”
Section 17.2.4.2, “Replication Metadata Repositories”
Section 17.1.4.1, “Replication Mode Concepts”
Section 17.3.3, “Replication Privilege Checks”
Section 17.3, “Replication Security”
Section 8.14.6, “Replication SQL Thread States”
Section 13.4.2.5, “RESET REPLICA Statement”
Section 17.1.3.7, “Restrictions on Replication with GTIDs”
Section 5.1.8, “Server System Variables”
Section 17.1.2.7, “Setting the Source Configuration on the Replica”
Section 17.3.1, “Setting Up Replication to Use Encrypted Connections”
Section 17.1.3.4, “Setting Up Replication Using GTIDs”
Setting Up Replication with Existing Data
Setting Up Replication with New Source and Replicas
Section 6.4.1.3, “SHA-256 Pluggable Authentication”
Section 13.7.7.35, “SHOW REPLICA STATUS Statement”
Section 17.1.7.3, “Skipping Transactions”
Skipping Transactions With CHANGE MASTER TO
Skipping Transactions Without GTIDs
Section 13.4.3.1, “START GROUP_REPLICATION Statement”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 13.4.2.10, “STOP REPLICA Statement”
Section 17.4.9, “Switching Sources and Replicas with Asynchronous Connection Failover”
Section 17.4.8, “Switching Sources During Failover”
Section 15.20.7, “The InnoDB memcached Plugin and Replication”
Section 27.12.11.5, “The replication_applier_configuration Table”
Section 27.12.11.1, “The replication_connection_configuration Table”
Section 17.2.1.2, “Usage of Row-Based Logging and Replication”
Section 18.2.1.3, “User Credentials For Distributed Recovery”
Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”
Section 1.3, “What Is New in MySQL 8.0”

CHANGE REPLICATION FILTER

[Section 17.1.5.4, “Adding Binary Log Based Replication Sources to a Multi-Source Replica”](#)
[Section 17.1.5.3, “Adding GTID-Based Sources to a Multi-Source Replica”](#)
[Section 13.4.2.2, “CHANGE REPLICATION FILTER Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.2.5.4, “Replication Channel Based Filters”](#)
[Section 5.1.10, “Server Status Variables”](#)
[Section 13.7.7.35, “SHOW REPLICAS STATUS Statement”](#)
[Section 27.12.11.10, “The replication_applier_filters Table”](#)
[Section 27.12.11.9, “The replication_applier_global_filters Table”](#)

CHANGE REPLICATION FILTER REPLICATE_DO_DB

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

CHANGE REPLICATION FILTER REPLICATE_DO_TABLE

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

CHANGE REPLICATION FILTER REPLICATE_IGNORE_DB

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

CHANGE REPLICATION FILTER REPLICATE_IGNORE_TABLE

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

CHANGE REPLICATION FILTER REPLICATE_REWRITE_DB

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

CHANGE REPLICATION FILTER REPLICATE_WILD_DO_TABLE

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

CHANGE REPLICATION FILTER REPLICATE_WILD_IGNORE_TABLE

[Section 17.1.6.3, “Replica Server Options and Variables”](#)

CHANGE REPLICATION SOURCE TO

[Adding a Second Instance](#)
[Adding Additional Instances](#)
[Section 17.1.5.4, “Adding Binary Log Based Replication Sources to a Multi-Source Replica”](#)
[Section 17.1.5.3, “Adding GTID-Based Sources to a Multi-Source Replica”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 17.4.9.2, “Asynchronous Connection Failover for Replicas”](#)
[Section 17.4.9.1, “Asynchronous Connection Failover for Sources”](#)
[Section 17.4.1.2, “Backing Up Raw Data from a Replica”](#)
[Section 17.1.1, “Binary Log File Position Based Replication Configuration Overview”](#)
[Section 6.4.1.2, “Caching SHA-2 Pluggable Authentication”](#)
[Section 13.4.2.1, “CHANGE MASTER TO Statement”](#)
[Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”](#)
[Section 5.6.7.7, “Cloning for Replication”](#)
[Cloning Operations](#)
[Section 17.2.2.1, “Commands for Operations on a Single Channel”](#)
[Section 18.6.1, “Communication Stack for Connection Security Management”](#)
[Section 17.2.2.2, “Compatibility with Previous Replication Statements”](#)
[Section 4.2.8, “Connection Compression Control”](#)
[Creating a Data Snapshot Using mysqldump](#)
[Section 17.1.2.3, “Creating a User for Replication”](#)
[Section 6.3.2, “Encrypted Connection TLS Protocols and Ciphers”](#)
[Section 18.10, “Frequently Asked Questions”](#)

Section 13.4.3.7, “Functions to Set and Reset Group Replication Member Actions”
Section 13.1.20.11, “Generated Invisible Primary Keys”
Section 13.7.1.6, “GRANT Statement”
Section 18.3.1, “Group Replication Requirements”
Section 18.9, “Group Replication System Variables”
Section 17.1.3.3, “GTID Auto-Positioning”
Section 18.4.1, “GTIDs and Group Replication”
Section 17.4.2, “Handling an Unexpected Halt of a Replica”
Section 23.7.8, “Implementing Failover with NDB Cluster Replication”
Section 12.24, “Miscellaneous Functions”
Monitoring Binary Log Transaction Compression
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 23.7.9, “NDB Cluster Backups With NDB Cluster Replication”
Section 23.7.10, “NDB Cluster Replication: Bidirectional and Circular Replication”
Section 5.1.14, “Network Namespace Support”
Section 27.12.11, “Performance Schema Replication Tables”
Section 23.7.5, “Preparing the NDB Cluster for Replication”
Prerequisites for Cloning
Section 17.3.3.2, “Privilege Checks For Group Replication Channels”
Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”
Section 6.2.2, “Privileges Provided by MySQL”
Providing Replication User Credentials Securely
Section 17.1.6.3, “Replica Server Options and Variables”
Section 17.1.6, “Replication and Binary Logging Options and Variables”
Section 17.5.1.28, “Replication and Source or Replica Shutdowns”
Section 17.5.1.34, “Replication and Transaction Inconsistencies”
Section 8.14.7, “Replication Connection Thread States”
Section 17.1.3.6, “Replication From a Source Without GTIDs to a Replica With GTIDs”
Section 8.14.5, “Replication I/O (Receiver) Thread States”
Section 17.2.4.2, “Replication Metadata Repositories”
Section 17.1.4.1, “Replication Mode Concepts”
Section 17.3.3, “Replication Privilege Checks”
Section 17.3, “Replication Security”
Section 8.14.6, “Replication SQL Thread States”
Section 13.4.2.5, “RESET REPLICA Statement”
Section 17.1.3.7, “Restrictions on Replication with GTIDs”
Section 5.1.8, “Server System Variables”
Section 17.1.2.7, “Setting the Source Configuration on the Replica”
Section 17.3.1, “Setting Up Replication to Use Encrypted Connections”
Section 17.1.3.4, “Setting Up Replication Using GTIDs”
Setting Up Replication with Existing Data
Setting Up Replication with New Source and Replicas
Section 6.4.1.3, “SHA-256 Pluggable Authentication”
Section 13.7.7.35, “SHOW REPLICA STATUS Statement”
Section 17.1.7.3, “Skipping Transactions”
Skipping Transactions With CHANGE MASTER TO
Skipping Transactions With GTIDs
Skipping Transactions Without GTIDs
Section 13.4.3.1, “START GROUP_REPLICATION Statement”
Section 13.4.2.8, “START REPLICA Statement”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 13.4.2.10, “STOP REPLICA Statement”
Section 17.4.9, “Switching Sources and Replicas with Asynchronous Connection Failover”
Section 17.4.8, “Switching Sources During Failover”
Section 15.20.7, “The InnoDB memcached Plugin and Replication”
Section 27.12.11.5, “The replication_applier_configuration Table”
Section 27.12.11.1, “The replication_connection_configuration Table”

[Section 27.12.11.2, “The replication_connection_status Table”](#)
[Section 17.2.1.2, “Usage of Row-Based Logging and Replication”](#)
[Section 18.2.1.3, “User Credentials For Distributed Recovery”](#)
[Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”](#)
[Section 5.6.4.2, “Using the Rewriter Query Rewrite Plugin”](#)

CHANGE REPLICATION SOURCE TO ... REQUIRE_TABLE_PRIMARY_KEY_CHECK = GENERATE

[Section 1.3, “What Is New in MySQL 8.0”](#)

CHANGE REPLICATION SOURCE TO SOURCE_DELAY=N

[Section 17.4.11, “Delayed Replication”](#)

CHECK PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

CHECK TABLE

[Section 13.1.9.1, “ALTER TABLE Partition Operations”](#)
[Section 13.7.3.2, “CHECK TABLE Statement”](#)
[Section 16.2.4.1, “Corrupted MyISAM Tables”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 13.1.23, “CREATE VIEW Statement”](#)
[Section 8.11.5, “External Locking”](#)
[Section 7.6.3, “How to Repair MyISAM Tables”](#)
[Section 1.5, “How to Report Bugs or Problems”](#)
[Section 4.6.2, “innochecksum — Offline InnoDB File Checksum Utility”](#)
[Section 15.18.2, “InnoDB Recovery”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 15.21, “InnoDB Troubleshooting”](#)
[Section 24.3.4, “Maintenance of Partitions”](#)
[Section 7.6, “MyISAM Table Maintenance and Crash Recovery”](#)
[Section 4.6.4, “myisamchk — MyISAM Table-Maintenance Utility”](#)
[Section A.6, “MySQL 8.0 FAQ: Views”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section B.3.2.7, “MySQL server has gone away”](#)
[Section 4.4.5, “mysql_upgrade — Check and Upgrade MySQL Tables”](#)
[Section 4.5.3, “mysqlcheck — A Table Maintenance Program”](#)
[Section 16.2.4.2, “Problems from Tables Not Being Closed Properly”](#)
[Section 2.10.13, “Rebuilding or Repairing Tables or Indexes”](#)
[Section 16.4.1, “Repairing and Checking CSV Tables”](#)
[Restoring an NDB backup to a later version of NDB Cluster](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)
[Section 13.6.6.5, “Restrictions on Server-Side Cursors”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 25.9, “Restrictions on Views”](#)
[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 7.6.5, “Setting Up a MyISAM Table Maintenance Schedule”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 16.5, “The ARCHIVE Storage Engine”](#)
[Section 16.7, “The MERGE Storage Engine”](#)
[Section 5.4.5, “The Slow Query Log”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 2.10.3, “What the MySQL Upgrade Process Upgrades”](#)

CHECK TABLE ... EXTENDED

[Section 13.7.3.2, “CHECK TABLE Statement”](#)

CHECK TABLE ... FOR UPGRADE

[Section 13.7.3.2, “CHECK TABLE Statement”](#)
[Section 13.7.3.5, “REPAIR TABLE Statement”](#)

CHECK TABLE FOR UPGRADE

[Section 14.6, “Serialized Dictionary Information \(SDI\)”](#)

CHECK TABLE QUICK

[Section 13.7.3.2, “CHECK TABLE Statement”](#)

CHECKSUM TABLE

[Section 13.7.3.3, “CHECKSUM TABLE Statement”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 17.5.1.4, “Replication and CHECKSUM TABLE”](#)

CHECKSUM TABLE ... QUICK

[Section 13.7.3.3, “CHECKSUM TABLE Statement”](#)

CLONE

[Section 13.7.5, “CLONE Statement”](#)
[Section 5.6.7.2, “Cloning Data Locally”](#)
[Section 5.6.7.3, “Cloning Remote Data”](#)
[Section 5.6.7.10, “Monitoring Cloning Operations”](#)

CLONE INSTANCE

[Section 5.6.7.14, “Clone Plugin Limitations”](#)
[Section 13.7.5, “CLONE Statement”](#)
[Section 5.6.7.5, “Cloning Encrypted Data”](#)
[Section 5.6.7.3, “Cloning Remote Data”](#)
[Section 5.6.7.10, “Monitoring Cloning Operations”](#)
[Section 5.6.7.9, “Remote Cloning Operation Failure Handling”](#)

CLONE LOCAL

[Section 5.6.7.10, “Monitoring Cloning Operations”](#)

CLONE LOCAL DATA DIRECTORY

[Section 13.7.5, “CLONE Statement”](#)
[Section 5.6.7.2, “Cloning Data Locally”](#)

COALESCE PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

COMMIT

[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 15.7.2.2, “autocommit, Commit, and Rollback”](#)
[Section 8.5.5, “Bulk Data Loading for InnoDB Tables”](#)
[Section 15.6.1.5, “Converting Tables from MyISAM to InnoDB”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
Data Definition Statements
[Section 15.2, “InnoDB and the ACID Model”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
NDB Cluster System Variables

[Section 17.1.2.4, “Obtaining the Replication Source Binary Log Coordinates”](#)
[Section 8.5.3, “Optimizing InnoDB Read-Only Transactions”](#)
[Section 27.12.7, “Performance Schema Transaction Tables”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.5.1.35, “Replication and Transactions”](#)
[Rewriter Query Rewrite Plugin Procedures and Functions](#)
[Section 13.3.4, “SAVEPOINT, ROLLBACK TO SAVEPOINT, and RELEASE SAVEPOINT Statements”](#)
[Section 5.1.10, “Server Status Variables”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 5.1.18, “Server Tracking of Client Session State”](#)
[Section 13.7.7.38, “SHOW TABLE STATUS Statement”](#)
[Section 13.3.1, “START TRANSACTION, COMMIT, and ROLLBACK Statements”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 5.4.4, “The Binary Log”](#)
[Section 27.12.7.1, “The events_transactions_current Table”](#)
[Section 26.3.38, “The INFORMATION_SCHEMA TABLES Table”](#)
[Section 13.3, “Transactional and Locking Statements”](#)
[Section 25.3.1, “Trigger Syntax and Examples”](#)

COMMIT AND CHAIN

[Section 27.12.7, “Performance Schema Transaction Tables”](#)
[Section 5.1.18, “Server Tracking of Client Session State”](#)

COMPRESSION

[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)

CREATE DATABASE

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 7.1, “Backup and Recovery Types”](#)
[Section 10.5, “Configuring Application Character Set and Collation”](#)
[Section 7.4.5.2, “Copy a Database from one Server to Another”](#)
[Section 13.1.12, “CREATE DATABASE Statement”](#)
[Section 10.3.3, “Database Character Set and Collation”](#)
[Section 7.4.1, “Dumping Data in SQL Format with mysqldump”](#)
[Section 17.2.5.1, “Evaluation of Database-Level Replication and Binary Logging Options”](#)
[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)
[Section 9.2.3, “Identifier Case Sensitivity”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.7.9, “NDB Cluster Backups With NDB Cluster Replication”](#)
[Section 27.6, “Performance Schema Instrument Naming Conventions”](#)
[Section 7.4.2, “Reloading SQL-Format Backups”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 10.3.2, “Server Character Set and Collation”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.7.6, “SHOW CREATE DATABASE Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 8.12.2.1, “Using Symbolic Links for Databases on Unix”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

CREATE DATABASE IF NOT EXISTS

[Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”](#)

CREATE EVENT

Section 13.1.2, “ALTER DATABASE Statement”
Section 13.1.3, “ALTER EVENT Statement”
Section 13.1.5, “ALTER INSTANCE Statement”
Section 17.3.2.3, “Binary Log Master Key Rotation”
Section 13.1.13, “CREATE EVENT Statement”
Section 25.4.4, “Event Metadata”
Section 25.4.3, “Event Syntax”
Section 9.5, “Expressions”
Section 12.16, “Information Functions”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 17.5.1.8, “Replication of CURRENT_USER()”
Section 17.5.1.16, “Replication of Invoked Features”
Section 25.8, “Restrictions on Stored Programs”
Section 5.1.7, “Server Command Options”
Section 13.7.7.7, “SHOW CREATE EVENT Statement”
Section 13.7.7.18, “SHOW EVENTS Statement”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Chapter 25, *Stored Objects*
Section 25.7, “Stored Program Binary Logging”
Section 25.4.6, “The Event Scheduler and MySQL Privileges”
Section 26.3.14, “The INFORMATION_SCHEMA EVENTS Table”
Section 1.3, “What Is New in MySQL 8.0”

CREATE EVENT IF NOT EXISTS

Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”

CREATE FULLTEXT INDEX

Section 8.5.5, “Bulk Data Loading for InnoDB Tables”

CREATE FUNCTION

Section 13.1.2, “ALTER DATABASE Statement”
Section 13.1.4, “ALTER FUNCTION Statement”
Section 1.7.1, “Contributors to MySQL”
Section 13.1.14, “CREATE FUNCTION Statement”
Section 13.7.4.1, “CREATE FUNCTION Statement for Loadable Functions”
Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”
Section 13.7.4.2, “DROP FUNCTION Statement for Loadable Functions”
Section 9.2.5, “Function Name Parsing and Resolution”
Section 6.4.4.15, “General-Purpose Keyring Key-Management Functions”
Section 12.16, “Information Functions”
Section 15.14, “InnoDB Startup Options and System Variables”
Section 5.7.1, “Installing and Uninstalling Loadable Functions”
Section 6.5.2, “Installing or Uninstalling MySQL Enterprise Data Masking and De-Identification”
Section 5.6.6.2, “Installing or Uninstalling Version Tokens”
Section 6.6.1, “MySQL Enterprise Encryption Installation and Upgrading”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 5.7.2, “Obtaining Information About Loadable Functions”
Section 27.12.21, “Performance Schema Miscellaneous Tables”
Section 17.5.1.8, “Replication of CURRENT_USER()”
Section 17.5.1.16, “Replication of Invoked Features”
Section 25.8, “Restrictions on Stored Programs”
Section 5.1.7, “Server Command Options”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 25.6, “Stored Object Access Control”

[Chapter 25, *Stored Objects*](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.1, “Stored Routine Syntax”](#)
[The Locking Service Function Interface](#)
[Section 5.3, “The mysql System Schema”](#)
[Section 27.12.21.9, “The user_defined_functions Table”](#)
[Section 2.10.12, “Upgrade Troubleshooting”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

CREATE FUNCTION IF NOT EXISTS

[Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”](#)

CREATE INDEX

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 12.11, “Cast Functions and Operators”](#)
[Section 8.3.5, “Column Indexes”](#)
[Section 15.8.11, “Configuring the Merge Threshold for Index Pages”](#)
[Section 15.20.6.4, “Controlling Transactional Behavior of the InnoDB memcached Plugin”](#)
[Section 13.1.15, “CREATE INDEX Statement”](#)
[Section 13.1.20, “CREATE TABLE Statement”](#)
[Section 11.4.10, “Creating Spatial Indexes”](#)
[Section 12.10, “Full-Text Search Functions”](#)
[Section 15.9.1.5, “How Compression Works for InnoDB Tables”](#)
[Section 15.6.2.4, “InnoDB Full-Text Indexes”](#)
[Section 8.3.12, “Invisible Indexes”](#)
[Section 12.10.9, “MeCab Full-Text Parser Plugin”](#)
[MySQL Glossary](#)
[Section 12.10.8, “ngram Full-Text Parser”](#)
[Section 15.12.1, “Online DDL Operations”](#)
[Section 23.6.12, “Online Operations with ALTER TABLE in NDB Cluster”](#)
[Section 8.7, “Optimizing for MEMORY Tables”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.7.22, “SHOW INDEX Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 26.3.34, “The INFORMATION_SCHEMA STATISTICS Table”](#)
[Section 5.4.5, “The Slow Query Log”](#)
[Section 23.2.7.6, “Unsupported or Missing Features in NDB Cluster”](#)

CREATE LOGFILE GROUP

[Section 13.1.6, “ALTER LOGFILE GROUP Statement”](#)
[Section 13.1.16, “CREATE LOGFILE GROUP Statement”](#)
[Section 13.1.21, “CREATE TABLESPACE Statement”](#)
[Section 23.4.3.13, “Data Node Memory Management”](#)
[Section 23.4.3.6, “Defining NDB Cluster Data Nodes”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 23.6.11.1, “NDB Cluster Disk Data Objects”](#)
[Section 26.3.15, “The INFORMATION_SCHEMA FILES Table”](#)
[Section 23.6.16.51, “The ndbinfo resources Table”](#)

CREATE OR REPLACE VIEW

[Section 13.1.23, “CREATE VIEW Statement”](#)
[Section 25.9, “Restrictions on Views”](#)

CREATE PROCEDURE

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.7, “ALTER PROCEDURE Statement”](#)

[Section 13.2.1, “CALL Statement”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 12.16, “Information Functions”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 17.5.1.8, “Replication of CURRENT_USER\(\)”](#)
[Section 17.5.1.16, “Replication of Invoked Features”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Chapter 25, *Stored Objects*](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.1, “Stored Routine Syntax”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

CREATE PROCEDURE IF NOT EXISTS

[Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”](#)

CREATE RESOURCE GROUP

[Section 13.7.2.1, “ALTER RESOURCE GROUP Statement”](#)
[Section 13.7.2.2, “CREATE RESOURCE GROUP Statement”](#)
[Section 5.1.16, “Resource Groups”](#)

CREATE ROLE

[Section 13.7.1.2, “CREATE ROLE Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 6.2.10, “Using Roles”](#)

CREATE SCHEMA

[Section 13.1.12, “CREATE DATABASE Statement”](#)
[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)
[Section 23.7.9, “NDB Cluster Backups With NDB Cluster Replication”](#)

CREATE SERVER

[Section 13.1.8, “ALTER SERVER Statement”](#)
[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 16.8.2.2, “Creating a FEDERATED Table Using CREATE SERVER”](#)
[Section 16.8.3, “FEDERATED Storage Engine Notes and Tips”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 8.12.3.1, “How MySQL Uses Memory”](#)
[Section 16.8.2, “How to Create FEDERATED Tables”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.5.1.5, “Replication of CREATE SERVER, ALTER SERVER, and DROP SERVER”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

CREATE SPATIAL REFERENCE SYSTEM

[Section 13.1.19, “CREATE SPATIAL REFERENCE SYSTEM Statement”](#)
[Section 11.4.5, “Spatial Reference System Support”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 26.3.36, “The INFORMATION_SCHEMA ST_SPATIAL_REFERENCE_SYSTEMS Table”](#)

CREATE TABLE

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.9.3, “ALTER TABLE Examples”](#)
[Section 13.1.9.1, “ALTER TABLE Partition Operations”](#)

Section 13.1.9, “ALTER TABLE Statement”
Chapter 16, *Alternative Storage Engines*
Section 13.1.1, “Atomic Data Definition Statement Support”
Section 7.1, “Backup and Recovery Types”
Section 17.1.6.4, “Binary Logging Options and Variables”
Section 12.11, “Cast Functions and Operators”
Section 13.4.2.3, “CHANGE REPLICATION SOURCE TO Statement”
Section 2.10.4, “Changes in MySQL 8.0”
Section 13.1.20.6, “CHECK Constraints”
Section 10.3.5, “Column Character Set and Collation”
Section 8.3.5, “Column Indexes”
Section 15.8.10, “Configuring Optimizer Statistics for InnoDB”
Configuring Optimizer Statistics Parameters for Individual Tables
Section 15.8.11, “Configuring the Merge Threshold for Index Pages”
Section 15.6.1.5, “Converting Tables from MyISAM to InnoDB”
Section 13.1.13, “CREATE EVENT Statement”
Section 13.1.15, “CREATE INDEX Statement”
Section 13.1.18, “CREATE SERVER Statement”
Section 13.1.20.3, “CREATE TABLE ... LIKE Statement”
Section 13.1.20.4, “CREATE TABLE ... SELECT Statement”
Section 13.1.20.8, “CREATE TABLE and Generated Columns”
Section 13.1.20, “CREATE TABLE Statement”
Section 13.1.21, “CREATE TABLESPACE Statement”
Section 13.1.20.2, “CREATE TEMPORARY TABLE Statement”
Section 16.8.2.1, “Creating a FEDERATED Table Using CONNECTION”
Section 3.3.2, “Creating a Table”
Section 15.9.1.2, “Creating Compressed Tables”
Section 15.6.1.1, “Creating InnoDB Tables”
Section 11.4.6, “Creating Spatial Columns”
Section 11.4.10, “Creating Spatial Indexes”
Section 7.2, “Database Backup Methods”
Section 10.3.3, “Database Character Set and Collation”
Section 23.4.3.6, “Defining NDB Cluster Data Nodes”
Section 7.4.3, “Dumping Data in Delimited-Text Format with mysqldump”
Section B.2, “Error Information Interfaces”
Section 15.8.10.3, “Estimating ANALYZE TABLE Complexity for InnoDB Tables”
Section 15.6.3.2, “File-Per-Table Tablespaces”
Section 1.6.3.2, “FOREIGN KEY Constraints”
Section 13.1.20.5, “FOREIGN KEY Constraints”
Section 12.10, “Full-Text Search Functions”
Section 15.6.3.3, “General Tablespaces”
Section 3.4, “Getting Information About Databases and Tables”
Section 17.1.3.1, “GTID Format and Storage”
Section 17.1.3.2, “GTID Life Cycle”
Section 24.2.4, “HASH Partitioning”
Section 13.8.3, “HELP Statement”
Section 15.9.1.5, “How Compression Works for InnoDB Tables”
Section 24.2.7, “How MySQL Partitioning Handles NULL”
Section 8.12.3.1, “How MySQL Uses Memory”
Section 9.2.3, “Identifier Case Sensitivity”
Section 15.6.1.3, “Importing InnoDB Tables”
Section 12.16, “Information Functions”
Section 23.3.3, “Initial Configuration of NDB Cluster”
Section 15.19, “InnoDB and MySQL Replication”
Section 15.13, “InnoDB Data-at-Rest Encryption”
Section 15.6.2.4, “InnoDB Full-Text Indexes”
Section 15.15.3, “InnoDB INFORMATION_SCHEMA Schema Object Tables”
Section 15.9.2, “InnoDB Page Compression”

[Section 15.10, “InnoDB Row Formats”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 15.9.1, “InnoDB Table Compression”](#)
[Section 17.2.5.3, “Interactions Between Replication Filtering Options”](#)
[Section 8.4.4, “Internal Temporary Table Use in MySQL”](#)
[Section 15.1, “Introduction to InnoDB”](#)
[Section 13.1.20.10, “Invisible Columns”](#)
[Section 8.3.12, “Invisible Indexes”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)
[Section 12.18.6, “JSON Table Functions”](#)
[Section 24.2.5, “KEY Partitioning”](#)
[Section 23.2.7.5, “Limits Associated with Database Objects in NDB Cluster”](#)
[Section 8.4.6, “Limits on Table Size”](#)
[Section 23.2.7.3, “Limits Relating to Transaction Handling in NDB Cluster”](#)
[Section 24.2.2, “LIST Partitioning”](#)
[Section 13.2.10, “LOAD XML Statement”](#)
[Section 3.3.3, “Loading Data into a Table”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)
[Section 5.4.4.4, “Logging Format for Changes to mysql Database Tables”](#)
[Section 24.3.1, “Management of RANGE and LIST Partitions”](#)
[Section 12.10.9, “MeCab Full-Text Parser Plugin”](#)
[Section 16.2.3, “MyISAM Table Storage Formats”](#)
[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[MySQL Glossary](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 23.6.15, “NDB API Statistics Counters and Variables”](#)
[Section 23.4.3.1, “NDB Cluster Configuration: Basic Example”](#)
[Section 23.6.11.1, “NDB Cluster Disk Data Objects”](#)
[NDB Cluster System Variables](#)
[Section 23.5.6, “ndb_blob_tool — Check and Repair BLOB and TEXT columns of NDB Cluster Tables”](#)
[Section 23.5.9, “ndb_desc — Describe NDB Tables”](#)
[Section 12.10.8, “ngram Full-Text Parser”](#)
[Section 23.2.7.1, “Noncompliance with SQL Syntax in NDB Cluster”](#)
[Section 15.12.1, “Online DDL Operations”](#)
[Section 23.6.12, “Online Operations with ALTER TABLE in NDB Cluster”](#)
[Section 8.4.1, “Optimizing Data Size”](#)
[Section 8.5.7, “Optimizing InnoDB DDL Operations”](#)
[Section 24.1, “Overview of Partitioning in MySQL”](#)
[Section 15.9.1.1, “Overview of Table Compression”](#)
[Section 24.3, “Partition Management”](#)
[Section 24.6.1, “Partitioning Keys, Primary Keys, and Unique Keys”](#)
[Section 24.6.3, “Partitioning Limitations Relating to Functions”](#)
[Section 24.6.2, “Partitioning Limitations Relating to Storage Engines”](#)
[Section 24.2, “Partitioning Types”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 24.2.3.1, “RANGE COLUMNS partitioning”](#)
[Section 24.2.1, “RANGE Partitioning”](#)
[Section 7.4.4, “Reloading Delimited-Text Format Backups”](#)
[Section 13.2.12, “REPLACE Statement”](#)
[Section 17.5.1.1, “Replication and AUTO_INCREMENT”](#)
[Section 17.5.1.3, “Replication and Character Sets”](#)
[Section 17.5.1.10, “Replication and DIRECTORY Table Options”](#)
[Section 17.5.1.14, “Replication and System Functions”](#)
[Section 17.5.1.7, “Replication of CREATE TABLE ... SELECT Statements”](#)
[Replication with More Columns on Source or Replica](#)

Restoring an NDB backup to a previous version of NDB Cluster
Section 24.6, “Restrictions and Limitations on Partitioning”
Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”
Section 5.1.7, “Server Command Options”
Section 5.1.11, “Server SQL Modes”
Section 5.1.8, “Server System Variables”
Section 5.4.4.2, “Setting The Binary Log Format”
Section 16.1, “Setting the Storage Engine”
Section 13.7.7.5, “SHOW COLUMNS Statement”
Section 13.7.7.10, “SHOW CREATE TABLE Statement”
Section 13.7.7.15, “SHOW ENGINE Statement”
Section 13.7.7.22, “SHOW INDEX Statement”
Section 13.7.7.38, “SHOW TABLE STATUS Statement”
Section 13.7.7.42, “SHOW WARNINGS Statement”
Section 13.1.20.7, “Silent Column Specification Changes”
Section 15.9.1.7, “SQL Compression Syntax Warnings and Errors”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 11.3.1, “String Data Type Syntax”
Section 24.2.6, “Subpartitioning”
Section 10.3.4, “Table Character Set and Collation”
Section 15.6.3.9, “Tablespace AUTOEXTEND_SIZE Configuration”
Section 15.1.4, “Testing and Benchmarking with InnoDB”
Section 16.5, “The ARCHIVE Storage Engine”
Section 5.6.5, “The ddl_rewriter Plugin”
Section 11.3.5, “The ENUM Type”
Section 26.3.5, “The INFORMATION_SCHEMA CHECK_CONSTRAINTS Table”
Section 26.4.23, “The INFORMATION_SCHEMA INNODB_TABLES Table”
Section 26.3.21, “The INFORMATION_SCHEMA PARTITIONS Table”
Section 26.3.34, “The INFORMATION_SCHEMA STATISTICS Table”
Section 26.3.38, “The INFORMATION_SCHEMA TABLES Table”
Section 16.3, “The MEMORY Storage Engine”
Section 16.2, “The MyISAM Storage Engine”
Section 23.6.16.4, “The ndbinfo blobs Table”
Section 13.2.15.1, “The Subquery as Scalar Operand”
Section 13.1.37, “TRUNCATE TABLE Statement”
Section 13.7.4.6, “UNINSTALL PLUGIN Statement”
Section 23.2.7.6, “Unsupported or Missing Features in NDB Cluster”
Section 3.6.9, “Using AUTO_INCREMENT”
Section 3.3.4.9, “Using More Than one Table”
Section 7.4, “Using mysqldump for Backups”
Section 17.4.4, “Using Replication with Different Source and Replica Storage Engines”
Section 8.12.2, “Using Symbolic Links”
Section 8.12.2.2, “Using Symbolic Links for MyISAM Tables on Unix”
Section 1.3, “What Is New in MySQL 8.0”
Section 23.2.4, “What is New in MySQL NDB Cluster”
Section 2.3.7, “Windows Platform Restrictions”
Section 13.2.20, “WITH (Common Table Expressions)”

CREATE TABLE ... DATA DIRECTORY

Section 15.6.3.6, “Moving Tablespace Files While the Server is Offline”

CREATE TABLE ... ENCRYPTION

Section 13.1.5, “ALTER INSTANCE Statement”

CREATE TABLE ... LIKE

Section 13.1.15, “CREATE INDEX Statement”

Section 13.1.20.3, “CREATE TABLE ... LIKE Statement”

[Section 13.1.20.8, “CREATE TABLE and Generated Columns”](#)
[Section 11.6, “Data Type Default Values”](#)
[Section 13.1.20.10, “Invisible Columns”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)
[Section 17.5.1.1, “Replication and AUTO_INCREMENT”](#)
[Section 16.7, “The MERGE Storage Engine”](#)

CREATE TABLE ... ROW_FORMAT=COMPRESSED

[Section 2.10.4, “Changes in MySQL 8.0”](#)

CREATE TABLE ... SELECT

[Section 17.2.1.1, “Advantages and Disadvantages of Statement-Based and Row-Based Replication”](#)
[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 12.11, “Cast Functions and Operators”](#)
[Section 15.7.2.3, “Consistent Nonlocking Reads”](#)
[Section 13.1.20.4, “CREATE TABLE ... SELECT Statement”](#)
[Section 13.1.20.8, “CREATE TABLE and Generated Columns”](#)
[Section 13.1.23, “CREATE VIEW Statement”](#)
[Section 11.6, “Data Type Default Values”](#)
[Section 13.1.20.11, “Generated Invisible Primary Keys”](#)
[Section 17.1.6.5, “Global Transaction ID System Variables”](#)
[Section 17.1.3.2, “GTID Life Cycle”](#)
[Section 13.1.20.10, “Invisible Columns”](#)
[Section B.3.7, “Known Issues in MySQL”](#)
[Section 5.4.4.4, “Logging Format for Changes to mysql Database Tables”](#)
[Section 17.5.1.7, “Replication of CREATE TABLE ... SELECT Statements”](#)
[Section 17.1.3.7, “Restrictions on Replication with GTIDs”](#)
[Section 1.6.2.1, “SELECT INTO TABLE Differences”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 13.2.16, “TABLE Statement”](#)
[Section 13.2.19, “VALUES Statement”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

CREATE TABLE ... SELECT ...

[Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”](#)
[Section 24.3.1, “Management of RANGE and LIST Partitions”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

CREATE TABLE ... TABLESPACE

[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 13.1.21, “CREATE TABLESPACE Statement”](#)
[Section 15.6.1.1, “Creating InnoDB Tables”](#)
[Section 15.6.1.2, “Creating Tables Externally”](#)

CREATE TABLE dst_tbl LIKE src_tbl

[Section 14.7, “Data Dictionary Usage Differences”](#)

CREATE TABLE IF NOT EXISTS

[Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”](#)

CREATE TABLE IF NOT EXISTS ... LIKE

[Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”](#)

CREATE TABLE IF NOT EXISTS ... SELECT

[Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”](#)

CREATE TABLE LIKE

[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)

CREATE TABLE new_table SELECT ... FROM old_table ...

[Section 13.1.20.4, “CREATE TABLE ... SELECT Statement”](#)

[Section 13.2.13, “SELECT Statement”](#)

CREATE TABLE tbl_name ... TABLESPACE tablespace_name

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

[Section 15.6.3.3, “General Tablespaces”](#)

[MySQL Glossary](#)

CREATE TABLE ts VALUES ROW()

[Section 13.2.15, “Subqueries”](#)

CREATE TABLE...AS SELECT

[Section 8.2.1, “Optimizing SELECT Statements”](#)

CREATE TABLESPACE

[Section 13.1.10, “ALTER TABLESPACE Statement”](#)

[Section 13.1.1, “Atomic Data Definition Statement Support”](#)

[Section 13.1.21, “CREATE TABLESPACE Statement”](#)

[Section 23.4.3.6, “Defining NDB Cluster Data Nodes”](#)

[Section 13.1.33, “DROP TABLESPACE Statement”](#)

[Section 15.11.2, “File Space Management”](#)

[Section 15.6.3.3, “General Tablespaces”](#)

[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)

[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)

[MySQL Glossary](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 23.6.11.1, “NDB Cluster Disk Data Objects”](#)

[Section 5.1.8, “Server System Variables”](#)

[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

[Section 15.6.3.9, “Tablespace AUTOEXTEND_SIZE Configuration”](#)

[Section 26.3.15, “The INFORMATION_SCHEMA FILES Table”](#)

[Section 26.4.23, “The INFORMATION_SCHEMA INNODB_TABLES Table”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

CREATE TABLESPACE ... ADD DATAFILE

[Section 2.10.4, “Changes in MySQL 8.0”](#)

[Section 15.6.3.6, “Moving Tablespace Files While the Server is Offline”](#)

CREATE TEMPORARY TABLE

[Section 13.1.20, “CREATE TABLE Statement”](#)

[Section 13.1.20.2, “CREATE TEMPORARY TABLE Statement”](#)

[Section 15.9.1.2, “Creating Compressed Tables”](#)

[Section 17.1.6.5, “Global Transaction ID System Variables”](#)

[Section 13.7.1.6, “GRANT Statement”](#)

[Section 13.2.6, “IMPORT TABLE Statement”](#)

[Section A.10, “MySQL 8.0 FAQ: NDB Cluster”](#)

[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)

[Section 6.2.2, “Privileges Provided by MySQL”](#)

[Section 17.5.1.31, “Replication and Temporary Tables”](#)

[Section 17.1.3.7, “Restrictions on Replication with GTIDs”](#)

[Section 5.1.8, “Server System Variables”](#)

[Section 16.1, “Setting the Storage Engine”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section B.3.6.2, “TEMPORARY Table Problems”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

CREATE TRIGGER

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 12.16, “Information Functions”](#)
[Section A.5, “MySQL 8.0 FAQ: Triggers”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 8.2.2.3, “Optimizing Subqueries with the EXISTS Strategy”](#)
[Section 17.5.1.8, “Replication of CURRENT_USER\(\)”](#)
[Section 17.5.1.16, “Replication of Invoked Features”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 13.7.7.11, “SHOW CREATE TRIGGER Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Chapter 25, *Stored Objects*](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.3.1, “Trigger Syntax and Examples”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

CREATE TRIGGER IF NOT EXISTS

[Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”](#)

CREATE UNDO TABLESPACE

[Section 13.1.33, “DROP TABLESPACE Statement”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[MySQL Glossary](#)
[Section 15.6.3.4, “Undo Tablespace”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

CREATE USER

[Section 6.2, “Access Control and Account Management”](#)
[Section 6.2.6, “Access Control, Stage 1: Connection Verification”](#)
[Section 6.2.11, “Account Categories”](#)
[Section 6.2.20, “Account Locking”](#)
[Section 6.2.1, “Account User Names and Passwords”](#)
[Section 6.2.8, “Adding Accounts, Assigning Privileges, and Dropping Accounts”](#)
[Section 6.2.14, “Assigning Account Passwords”](#)
[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 6.4.1.2, “Caching SHA-2 Pluggable Authentication”](#)
[Section 4.2.3, “Command Options for Connecting to the Server”](#)
[Section 15.8.2, “Configuring InnoDB for Read-Only Operation”](#)
[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 5.1.13.3, “Connecting Using the IPv6 Local Host Address”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 17.1.2.3, “Creating a User for Replication”](#)
[Section 6.1.2.1, “End-User Guidelines for Password Security”](#)
[Section 6.4.1.11, “FIDO Pluggable Authentication”](#)
[Section 6.8, “FIPS Support”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.3, “Grant Tables”](#)
[Section 8.12.3.1, “How MySQL Uses Memory”](#)
[Section 2.9.1, “Initializing the Data Directory”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)

[Section 5.1.13, “IPv6 Support”](#)
[Section 6.4.1.8, “Kerberos Pluggable Authentication”](#)
[Section 6.4.1.7, “LDAP Pluggable Authentication”](#)
[Section 5.4.4.4, “Logging Format for Changes to mysql Database Tables”](#)
[Section 6.1.3, “Making MySQL Secure Against Attackers”](#)
[Section 6.2.18, “Multifactor Authentication”](#)
[Section 4.5.6, “mysqldump — A Database Backup Program”](#)
[Section 23.6.20.2, “NDB Cluster and MySQL Privileges”](#)
[Section 6.4.1.9, “No-Login Pluggable Authentication”](#)
[Section 6.4.1.5, “PAM Pluggable Authentication”](#)
[Section 6.2.15, “Password Management”](#)
[Section 6.1.2.3, “Passwords and Logging”](#)
[Section 6.2.17, “Pluggable Authentication”](#)
[Section 23.7.5, “Preparing the NDB Cluster for Replication”](#)
[Section 6.2.12, “Privilege Restriction Using Partial Revokes”](#)
[Section 23.6.13, “Privilege Synchronization and NDB_STORED_USER”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.2.19, “Proxy Users”](#)
[Section 17.5.1.6, “Replication of CREATE ... IF NOT EXISTS Statements”](#)
[Section 17.3.3, “Replication Privilege Checks”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 6.2.21, “Setting Account Resource Limits”](#)
[Section 6.4.1.3, “SHA-256 Pluggable Authentication”](#)
[Section 13.7.7.12, “SHOW CREATE USER Statement”](#)
[Section 6.4.1.10, “Socket Peer-Credential Pluggable Authentication”](#)
[Section 6.2.4, “Specifying Account Names”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.6, “Stored Object Access Control”](#)
[Section 26.3.46, “The INFORMATION_SCHEMA USER_ATTRIBUTES Table”](#)
[Section 5.3, “The mysql System Schema”](#)
[Section 6.4.3, “The Password Validation Component”](#)
[Section 6.3, “Using Encrypted Connections”](#)
[Section 20.5.3, “Using Encrypted Connections with X Plugin”](#)
[Section 6.4.7.3, “Using MySQL Enterprise Firewall”](#)
[Section 6.2.10, “Using Roles”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 2.10.3, “What the MySQL Upgrade Process Upgrades”](#)
[Section 6.4.1.6, “Windows Pluggable Authentication”](#)

CREATE USER ... REQUIRE SUBJECT

[Section 5.1.9.4, “Nonpersistible and Persist-Restricted System Variables”](#)

CREATE VIEW

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.11, “ALTER VIEW Statement”](#)
[Section 13.1.23, “CREATE VIEW Statement”](#)
[Section 8.14.3, “General Thread States”](#)
[Section 9.2.1, “Identifier Length Limits”](#)
[Section 12.16, “Information Functions”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)
[Section 8.2.2.4, “Optimizing Derived Tables, View References, and Common Table Expressions with Merging or Materialization”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.5.1.8, “Replication of CURRENT_USER\(\)”](#)
[Section 25.9, “Restrictions on Views”](#)
[Section 13.7.7.13, “SHOW CREATE VIEW Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

[Chapter 25, Stored Objects](#)

[Section 26.3.48, “The INFORMATION_SCHEMA VIEWS Table”](#)

[Section 25.5.3, “Updatable and Insertable Views”](#)

[Section 25.5.2, “View Processing Algorithms”](#)

[Section 25.5.1, “View Syntax”](#)

CREATE VIEW ... SELECT

[Section 13.2.16, “TABLE Statement”](#)

[Section 13.2.19, “VALUES Statement”](#)

D

[\[index top\]](#)

DEALLOCATE PREPARE

[Section 13.5.3, “DEALLOCATE PREPARE Statement”](#)

[Section 13.5.1, “PREPARE Statement”](#)

[Section 13.5, “Prepared Statements”](#)

[Section 25.8, “Restrictions on Stored Programs”](#)

[Section 5.1.10, “Server Status Variables”](#)

[Section 27.12.6.4, “The prepared_statements_instances Table”](#)

DECLARE

[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)

[Section 13.6.3, “DECLARE Statement”](#)

[Section 13.6.7.3, “GET DIAGNOSTICS Statement”](#)

[Section 13.6.7.5, “SIGNAL Statement”](#)

[Section 13.6.4, “Variables in Stored Programs”](#)

DECLARE ... CONDITION

[Section 13.6.7, “Condition Handling”](#)

[Section 13.6.7.1, “DECLARE ... CONDITION Statement”](#)

[Section 13.6.7.2, “DECLARE ... HANDLER Statement”](#)

[Section 13.6.7.5, “SIGNAL Statement”](#)

DECLARE ... HANDLER

[Section 13.6.7, “Condition Handling”](#)

[Section 13.6.7.1, “DECLARE ... CONDITION Statement”](#)

[Section 13.6.7.2, “DECLARE ... HANDLER Statement”](#)

[Section 13.6.7.5, “SIGNAL Statement”](#)

DEFAULT ENCRYPTION

[Section 13.1.10, “ALTER TABLESPACE Statement”](#)

DEFAULT ENCRYPTION='N'

[Section 13.1.10, “ALTER TABLESPACE Statement”](#)

DEFAULT ENCRYPTION='Y'

[Section 13.1.10, “ALTER TABLESPACE Statement”](#)

DELETE

[Section 6.2, “Access Control and Account Management”](#)

[Section 15.20.6.5, “Adapting DML Statements to memcached Operations”](#)

[Section 6.2.8, “Adding Accounts, Assigning Privileges, and Dropping Accounts”](#)

[Section 17.2.1.1, “Advantages and Disadvantages of Statement-Based and Row-Based Replication”](#)

[Section 13.1.2, “ALTER DATABASE Statement”](#)

[Section 13.1.9.1, “ALTER TABLE Partition Operations”](#)

Section 6.4.5.7, “Audit Log Filtering”
Section 6.4.5.11, “Audit Log Reference”
Section 15.1.2, “Best Practices for InnoDB Tables”
Section 17.1.6.4, “Binary Logging Options and Variables”
Section 8.6.2, “Bulk Data Loading for MyISAM Tables”
Section 15.5.2, “Change Buffer”
Section 15.9.1.6, “Compression for OLTP Workloads”
Section 15.7.2.3, “Consistent Nonlocking Reads”
Section 15.6.1.5, “Converting Tables from MyISAM to InnoDB”
Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”
Section 13.1.22, “CREATE TRIGGER Statement”
Section 13.1.23, “CREATE VIEW Statement”
Section 13.2.2, “DELETE Statement”
Section B.3.4.6, “Deleting Rows from Related Tables”
Section 8.8.2, “EXPLAIN Output Format”
Section 13.8.2, “EXPLAIN Statement”
Section 8.8.3, “Extended EXPLAIN Output Format”
Section 16.8.3, “FEDERATED Storage Engine Notes and Tips”
Section 15.21.3, “Forcing InnoDB Recovery”
Section 13.1.20.5, “FOREIGN KEY Constraints”
Section 12.10.5, “Full-Text Restrictions”
Chapter 12, *Functions and Operators*
Section 8.14.3, “General Thread States”
Section 13.7.1.6, “GRANT Statement”
Section 6.2.3, “Grant Tables”
Section 23.6.9, “Importing Data Into MySQL Cluster”
Section 8.9.4, “Index Hints”
Section 12.16, “Information Functions”
Section 15.19, “InnoDB and MySQL Replication”
Section 15.14, “InnoDB Startup Options and System Variables”
Section 8.11.1, “Internal Locking Methods”
Section 26.1, “Introduction”
Section 13.2.13.2, “JOIN Clause”
Section 9.3, “Keywords and Reserved Words”
Section 13.7.8.4, “KILL Statement”
Section B.3.7, “Known Issues in MySQL”
Section 23.2.7.2, “Limits and Differences of NDB Cluster from Standard MySQL Limits”
Section 23.2.7.3, “Limits Relating to Transaction Handling in NDB Cluster”
Section 24.2.2, “LIST Partitioning”
Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”
Section 5.4.4.4, “Logging Format for Changes to mysql Database Tables”
Section 24.3.1, “Management of RANGE and LIST Partitions”
Section 16.7.2, “MERGE Table Problems”
Section 4.5.1.1, “mysql Client Options”
Section 4.5.1.6, “mysql Client Tips”
Section 1.6.1, “MySQL Extensions to Standard SQL”
MySQL Glossary
Section 23.6.20.3, “NDB Cluster and MySQL Security Procedures”
Section 23.6.11.1, “NDB Cluster Disk Data Objects”
Section 23.5.8, “`ndb_delete_all` — Delete All Rows from an NDB Table”
Section 8.8.4, “Obtaining Execution Plan Information for a Named Connection”
Section 15.12.1, “Online DDL Operations”
Section 8.9.3, “Optimizer Hints”
Section 8.2.5, “Optimizing Data Change Statements”
Section 8.2.2.1, “Optimizing IN and EXISTS Subquery Predicates with Semijoin Transformations”
Section 8.8.1, “Optimizing Queries with EXPLAIN”
Section 8.2.1, “Optimizing SELECT Statements”
Section 8.2.2.2, “Optimizing Subqueries with Materialization”

Section 8.2.2, “Optimizing Subqueries, Derived Tables, View References, and Common Table Expressions”
Section 24.1, “Overview of Partitioning in MySQL”
Section 24.4, “Partition Pruning”
Section 24.5, “Partition Selection”
Section 23.6.5, “Performing a Rolling Restart of an NDB Cluster”
Section 6.2.2, “Privileges Provided by MySQL”
Section 15.8.9, “Purge Configuration”
Section 8.2.1.2, “Range Optimization”
Section 24.2.1, “RANGE Partitioning”
Section 17.1.6.3, “Replica Server Options and Variables”
Section 17.5.1.18, “Replication and LIMIT”
Section 17.5.1.21, “Replication and MEMORY Tables”
Section 17.5.1.27, “Replication and Row Searches”
Section 17.5.1.23, “Replication and the Query Optimizer”
Section 17.5.1.36, “Replication and Triggers”
Section 3.3.4.1, “Selecting All Data”
Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”
Section 5.1.11, “Server SQL Modes”
Section 5.1.10, “Server Status Variables”
Section 5.1.8, “Server System Variables”
Section 13.7.7.38, “SHOW TABLE STATUS Statement”
Section 8.3.3, “SPATIAL Index Optimization”
Section 13.2.15, “Subqueries”
Section 8.11.2, “Table Locking Issues”
Section 16.5, “The ARCHIVE Storage Engine”
Section 5.4.4, “The Binary Log”
Section 16.6, “The BLACKHOLE Storage Engine”
Section 26.4.26, “The INFORMATION_SCHEMA INNODB_TABLESTATS View”
Section 26.3.38, “The INFORMATION_SCHEMA TABLES Table”
Section 26.3.48, “The INFORMATION_SCHEMA VIEWS Table”
Section 1.2.2, “The Main Features of MySQL”
Section 16.3, “The MEMORY Storage Engine”
Section 16.7, “The MERGE Storage Engine”
Section 5.6.4, “The Rewriter Query Rewrite Plugin”
Section 15.7.2.1, “Transaction Isolation Levels”
Section 25.3.1, “Trigger Syntax and Examples”
Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”
Section 13.1.37, “TRUNCATE TABLE Statement”
Section 15.6.6, “Undo Logs”
Section 25.5.3, “Updatable and Insertable Views”
Section 17.2.1.2, “Usage of Row-Based Logging and Replication”
Section 5.6.4.2, “Using the Rewriter Query Rewrite Plugin”
Section 1.3, “What Is New in MySQL 8.0”
Section 23.2.4, “What is New in MySQL NDB Cluster”
Section 6.2.13, “When Privilege Changes Take Effect”
Section 8.2.1.1, “WHERE Clause Optimization”
Section 12.21.5, “Window Function Restrictions”
Section 13.2.20, “WITH (Common Table Expressions)”
Section 6.4.5.8, “Writing Audit Log Filter Definitions”

DELETE FROM ... WHERE ...

Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”

DESCRIBE

Section 3.3.2, “Creating a Table”
Section 13.8.1, “DESCRIBE Statement”

[Section 13.8.2, “EXPLAIN Statement”](#)
[Section 26.8, “Extensions to SHOW Statements”](#)
[Section 1.6.2.3, “FOREIGN KEY Constraint Differences”](#)
[Section 3.4, “Getting Information About Databases and Tables”](#)
[Section 8.4.4, “Internal Temporary Table Use in MySQL”](#)
[Section 13.7.7.5, “SHOW COLUMNS Statement”](#)
[Section 13.1.20.7, “Silent Column Specification Changes”](#)
[Section 10.2.2, “UTF-8 for Metadata”](#)

DISCARD PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

DISCARD PARTITION ... TABLESPACE

[Section 13.1.9.1, “ALTER TABLE Partition Operations”](#)

DO

[Section 13.1.3, “ALTER EVENT Statement”](#)
[Section 18.5.3.2, “Configuring Transaction Consistency Guarantees”](#)
[Section 13.1.13, “CREATE EVENT Statement”](#)
[Section 13.2.3, “DO Statement”](#)
[Section 12.15, “Locking Functions”](#)
[Section 5.4.4.4, “Logging Format for Changes to mysql Database Tables”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 13.2.15, “Subqueries”](#)
[Section 26.3.14, “The INFORMATION_SCHEMA EVENTS Table”](#)

DROP DATABASE

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.7.3.1, “ANALYZE TABLE Statement”](#)
[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 13.1.24, “DROP DATABASE Statement”](#)
[Section 13.1.33, “DROP TABLESPACE Statement”](#)
[Section 7.4.1, “Dumping Data in SQL Format with mysqldump”](#)
[Section 17.2.5.1, “Evaluation of Database-Level Replication and Binary Logging Options”](#)
[Section 15.6.3.3, “General Tablespaces”](#)
[Section 17.2.5, “How Servers Evaluate Replication Filtering Rules”](#)
[Section 23.6.9, “Importing Data Into MySQL Cluster”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 2.10.5, “Preparing Your Installation for Upgrade”](#)
[Section 23.6.13, “Privilege Synchronization and NDB_STORED_USER”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)
[Section 2.3.7, “Windows Platform Restrictions”](#)

DROP DATABASE IF EXISTS

[Section 17.5.1.11, “Replication of DROP ... IF EXISTS Statements”](#)

DROP EVENT

[Section 13.1.2, “ALTER DATABASE Statement”](#)

[Section 25.4.3, “Event Syntax”](#)
[Section 17.5.1.16, “Replication of Invoked Features”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.4.6, “The Event Scheduler and MySQL Privileges”](#)

DROP FUNCTION

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.4, “ALTER FUNCTION Statement”](#)
[Section 1.7.1, “Contributors to MySQL”](#)
[Section 13.7.4.1, “CREATE FUNCTION Statement for Loadable Functions”](#)
[Section 13.1.26, “DROP FUNCTION Statement”](#)
[Section 13.7.4.2, “DROP FUNCTION Statement for Loadable Functions”](#)
[Section 13.1.29, “DROP PROCEDURE and DROP FUNCTION Statements”](#)
[Section 9.2.5, “Function Name Parsing and Resolution”](#)
[Section 6.4.4.15, “General-Purpose Keyring Key-Management Functions”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 5.7.1, “Installing and Uninstalling Loadable Functions”](#)
[Section 6.5.2, “Installing or Uninstalling MySQL Enterprise Data Masking and De-Identification”](#)
[Section 5.6.6.2, “Installing or Uninstalling Version Tokens”](#)
[Section 6.6.1, “MySQL Enterprise Encryption Installation and Upgrading”](#)
[Section 17.5.1.16, “Replication of Invoked Features”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.1, “Stored Routine Syntax”](#)
[The Locking Service Function Interface](#)
[Section 2.10.12, “Upgrade Troubleshooting”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

DROP INDEX

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 11.4.10, “Creating Spatial Indexes”](#)
[Section 13.1.27, “DROP INDEX Statement”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[MySQL Glossary](#)
[Section 15.12.1, “Online DDL Operations”](#)
[Section 23.6.12, “Online Operations with ALTER TABLE in NDB Cluster”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 5.4.5, “The Slow Query Log”](#)

DROP LOGFILE GROUP

[Section 13.1.28, “DROP LOGFILE GROUP Statement”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)

DROP PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

DROP PREPARE

[Section 27.12.6.4, “The prepared_statements_instances Table”](#)

DROP PROCEDURE

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.7, “ALTER PROCEDURE Statement”](#)
[Section 17.5.1.16, “Replication of Invoked Features”](#)

[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 25.7, “Stored Program Binary Logging”](#)
[Section 25.2.1, “Stored Routine Syntax”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

DROP RESOURCE GROUP

[Section 13.7.2.3, “DROP RESOURCE GROUP Statement”](#)
[Section 5.1.16, “Resource Groups”](#)

DROP ROLE

[Section 13.7.1.4, “DROP ROLE Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 6.2.10, “Using Roles”](#)

DROP SCHEMA

[Section 13.1.24, “DROP DATABASE Statement”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)
[Section 5.1.8, “Server System Variables”](#)

DROP SERVER

[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 8.12.3.1, “How MySQL Uses Memory”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.5.1.5, “Replication of CREATE SERVER, ALTER SERVER, and DROP SERVER”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

DROP SPATIAL REFERENCE SYSTEM

[Section 13.1.31, “DROP SPATIAL REFERENCE SYSTEM Statement”](#)
[Section 11.4.5, “Spatial Reference System Support”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 26.3.36, “The INFORMATION_SCHEMA ST_SPATIAL_REFERENCE_SYSTEMS Table”](#)

DROP TABLE

[Section 23.6.7.1, “Adding NDB Cluster Data Nodes Online: General Issues”](#)
[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 13.7.3.1, “ANALYZE TABLE Statement”](#)
[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 6.4.5.4, “Audit Log File Formats”](#)
[Section 23.6.1, “Commands in the NDB Cluster Management Client”](#)
[Section 15.7.2.3, “Consistent Nonlocking Reads”](#)
[Section 13.1.21, “CREATE TABLESPACE Statement”](#)
[Section 13.1.20.2, “CREATE TEMPORARY TABLE Statement”](#)
[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 13.1.32, “DROP TABLE Statement”](#)
[Section 16.8.3, “FEDERATED Storage Engine Notes and Tips”](#)
[Section 15.6.3.2, “File-Per-Table Tablespaces”](#)
[Section 15.21.3, “Forcing InnoDB Recovery”](#)
[Section 15.6.3.3, “General Tablespaces”](#)
[Section 17.1.6.5, “Global Transaction ID System Variables”](#)
[Section 17.1.3.2, “GTID Life Cycle”](#)
[Section 23.6.9, “Importing Data Into MySQL Cluster”](#)
[Section 12.16, “Information Functions”](#)
[Section 23.2.7.8, “Issues Exclusive to NDB Cluster”](#)

Section 23.2.7.2, “Limits and Differences of NDB Cluster from Standard MySQL Limits”
Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”
Section 16.7.2, “MERGE Table Problems”
Section 4.5.1.1, “mysql Client Options”
Section 1.6.1, “MySQL Extensions to Standard SQL”
MySQL Glossary
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 23.5.10, “ndb_drop_index — Drop Index from an NDB Table”
Section 23.5.11, “ndb_drop_table — Drop an NDB Table”
Section 8.5.7, “Optimizing InnoDB DDL Operations”
Section 23.7.9.2, “Point-In-Time Recovery Using NDB Cluster Replication”
Section 6.2.2, “Privileges Provided by MySQL”
Section 14.2, “Removal of File-based Metadata Storage”
Section 25.9, “Restrictions on Views”
Section 13.6.7.6, “Scope Rules for Handlers”
Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”
Section 5.1.8, “Server System Variables”
Section 5.4.4.2, “Setting The Binary Log Format”
Section 13.7.7.39, “SHOW TABLES Statement”
Section 13.6.7.5, “SIGNAL Statement”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 16.3, “The MEMORY Storage Engine”
Section 16.7, “The MERGE Storage Engine”
Section 13.6.7.7, “The MySQL Diagnostics Area”
Section 15.21.4, “Troubleshooting InnoDB Data Dictionary Operations”
Section 13.1.37, “TRUNCATE TABLE Statement”
Section 13.7.4.6, “UNINSTALL PLUGIN Statement”

DROP TABLE IF EXISTS

Section 17.5.1.11, “Replication of DROP ... IF EXISTS Statements”

DROP TABLESPACE

Section 13.1.1, “Atomic Data Definition Statement Support”
Section 15.6.3.3, “General Tablespaces”
Section 23.2.7.8, “Issues Exclusive to NDB Cluster”
Section 5.1.8, “Server System Variables”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 1.3, “What Is New in MySQL 8.0”

DROP TABLESPACE *tablespace_name*

Section 15.6.3.3, “General Tablespaces”

DROP TEMPORARY TABLE

Section 17.1.6.5, “Global Transaction ID System Variables”
Section 17.5.1.31, “Replication and Temporary Tables”
Section 17.1.3.7, “Restrictions on Replication with GTIDs”

DROP TRIGGER

Section 13.1.2, “ALTER DATABASE Statement”
Section 13.1.34, “DROP TRIGGER Statement”
Section A.5, “MySQL 8.0 FAQ: Triggers”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 17.5.1.16, “Replication of Invoked Features”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 25.3.1, “Trigger Syntax and Examples”
Section 1.3, “What Is New in MySQL 8.0”

DROP UNDO TABALESPACE

[Section 15.6.3.4, “Undo Tablespaces”](#)

DROP UNDO TABLESPACE

[Section 2.10.4, “Changes in MySQL 8.0”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

DROP USER

[Section 6.2.1, “Account User Names and Passwords”](#)

[Section 6.2.8, “Adding Accounts, Assigning Privileges, and Dropping Accounts”](#)

[Section 13.7.1.5, “DROP USER Statement”](#)

[Section 13.7.8.3, “FLUSH Statement”](#)

[Section 13.7.1.6, “GRANT Statement”](#)

[Section 8.12.3.1, “How MySQL Uses Memory”](#)

[Section 12.16, “Information Functions”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 23.6.20.2, “NDB Cluster and MySQL Privileges”](#)

[Section 23.6.13, “Privilege Synchronization and NDB_STORED_USER”](#)

[Section 6.2.2, “Privileges Provided by MySQL”](#)

[Section 17.5.1.8, “Replication of CURRENT_USER\(\)”](#)

[Section 13.7.1.8, “REVOKE Statement”](#)

[Section 5.1.8, “Server System Variables”](#)

[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

[Section 25.6, “Stored Object Access Control”](#)

[Section 25.4.6, “The Event Scheduler and MySQL Privileges”](#)

[Section 6.2.10, “Using Roles”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

[Section 2.10.3, “What the MySQL Upgrade Process Upgrades”](#)

DROP VIEW

[Section 13.1.2, “ALTER DATABASE Statement”](#)

[Section 13.1.1, “Atomic Data Definition Statement Support”](#)

[Section 13.1.35, “DROP VIEW Statement”](#)

[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)

[Section 25.9, “Restrictions on Views”](#)

[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

[Section 25.5.1, “View Syntax”](#)

DROP VIEW IF EXISTS

[Section 17.5.1.11, “Replication of DROP ... IF EXISTS Statements”](#)

E

[\[index top\]](#)

ENCRYPTION

[Section 15.13, “InnoDB Data-at-Rest Encryption”](#)

EXCEPT

[Section 13.2.4, “EXCEPT Clause”](#)

[Section 13.2.8, “INTERSECT Clause”](#)

[Section 13.2.11, “Parenthesized Query Expressions”](#)

[Section 13.2.13, “SELECT Statement”](#)

[Section 13.2.14, “Set Operations with UNION, INTERSECT, and EXCEPT”](#)

[Section 13.2.19, “VALUES Statement”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

EXCHANGE PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

EXECUTE

[Section 13.2.1, “CALL Statement”](#)
[Section 13.5.2, “EXECUTE Statement”](#)
[Section 13.5.1, “PREPARE Statement”](#)
[Section 13.5, “Prepared Statements”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 5.1.10, “Server Status Variables”](#)
[Section 27.12.6.4, “The prepared_statements_instances Table”](#)

EXPLAIN

[Section 13.1.9, “ALTER TABLE Statement”](#)
[Section 8.2.1.23, “Avoiding Full Table Scans”](#)
[Section 8.2.1.12, “Block Nested-Loop and Batched Key Access Joins”](#)
[Section 8.3.5, “Column Indexes”](#)
[Section 8.2.1.13, “Condition Filtering”](#)
[Configuring the Number of Sampled Pages for InnoDB Optimizer Statistics](#)
[Section 13.1.15, “CREATE INDEX Statement”](#)
[Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”](#)
[Section 5.9.1, “Debugging a MySQL Server”](#)
[Section 8.2.2.5, “Derived Condition Pushdown Optimization”](#)
[Section 13.2.15.8, “Derived Tables”](#)
[Section 8.3.13, “Descending Indexes”](#)
[Section 13.8.1, “DESCRIBE Statement”](#)
[Section 8.2.1.18, “DISTINCT Optimization”](#)
[Section 8.2.1.5, “Engine Condition Pushdown Optimization”](#)
[Section 8.8.2, “EXPLAIN Output Format”](#)
[Section 13.8.2, “EXPLAIN Statement”](#)
[Section 8.8.3, “Extended EXPLAIN Output Format”](#)
[Section 12.18.3, “Functions That Search JSON Values”](#)
[Section 8.2.1.17, “GROUP BY Optimization”](#)
[Section 8.2.1.4, “Hash Join Optimization”](#)
[Section 8.2.1.6, “Index Condition Pushdown Optimization”](#)
[Section 8.9.4, “Index Hints”](#)
[Section 8.2.1.3, “Index Merge Optimization”](#)
[Section 8.4.4, “Internal Temporary Table Use in MySQL”](#)
[Section 26.1, “Introduction”](#)
[Section 8.3.12, “Invisible Indexes”](#)
[Section 8.2.1.15, “IS NULL Optimization”](#)
[Section 8.2.1.19, “LIMIT Query Optimization”](#)
[Section 12.24, “Miscellaneous Functions”](#)
[Section 8.2.1.11, “Multi-Range Read Optimization”](#)
[Section 4.5.1.6, “mysql Client Tips”](#)
[Chapter 27, *MySQL Performance Schema*](#)
[NDB Cluster Status Variables](#)
[NDB Cluster System Variables](#)
[Section 8.8.4, “Obtaining Execution Plan Information for a Named Connection”](#)
[Section 24.3.5, “Obtaining Information About Partitions”](#)
[Section 8.9.3, “Optimizer Hints”](#)
[Section 8.9.6, “Optimizer Statistics”](#)
[Section 8.3.11, “Optimizer Use of Generated Column Indexes”](#)
[Section B.3.5, “Optimizer-Related Issues”](#)
[Section 8.2.2.4, “Optimizing Derived Tables, View References, and Common Table Expressions with Merging or Materialization”](#)
[Section 8.2.2.1, “Optimizing IN and EXISTS Subquery Predicates with Semijoin Transformations”](#)

Section 8.2.3, “Optimizing INFORMATION_SCHEMA Queries”
Section 8.2.4, “Optimizing Performance Schema Queries”
Section 8.8.1, “Optimizing Queries with EXPLAIN”
Section 8.2.1, “Optimizing SELECT Statements”
Section 8.2.2.2, “Optimizing Subqueries with Materialization”
Section 8.2.2.3, “Optimizing Subqueries with the EXISTS Strategy”
Section 8.2.1.16, “ORDER BY Optimization”
Section 24.4, “Partition Pruning”
Section 6.2.2, “Privileges Provided by MySQL”
Section 8.2.1.2, “Range Optimization”
Section 25.8, “Restrictions on Stored Programs”
Section 13.1.20.9, “Secondary Indexes and Generated Columns”
Section 13.2.13, “SELECT Statement”
Section 5.1.8, “Server System Variables”
Section 13.7.7.42, “SHOW WARNINGS Statement”
Section B.3.4.7, “Solving Problems with No Matching Rows”
Section 27.12.20.3, “Statement Summary Tables”
Section 8.9.2, “Switchable Optimizations”
Section 1.2.2, “The Main Features of MySQL”
Section 28.4.4.22, “The ps_trace_statement_digest() Procedure”
Section 8.8, “Understanding the Query Execution Plan”
Section 8.3.10, “Use of Index Extensions”
Section 5.9.1.6, “Using Server Logs to Find Causes of Errors in mysqld”
Section 11.4.11, “Using Spatial Indexes”
Section 8.3.7, “Verifying Index Usage”
Section 1.3, “What Is New in MySQL 8.0”
Section 23.2.4, “What is New in MySQL NDB Cluster”
Section 8.2.1.21, “Window Function Optimization”
Section 13.2.20, “WITH (Common Table Expressions)”

EXPLAIN ... FOR CONNECTION

Section 13.8.2, “EXPLAIN Statement”

EXPLAIN ANALYZE

Section 8.2.1.4, “Hash Join Optimization”
Section 13.7.8.4, “KILL Statement”
Section 1.3, “What Is New in MySQL 8.0”

EXPLAIN FOR CONNECTION

Section 8.8.2, “EXPLAIN Output Format”
Section 8.8.4, “Obtaining Execution Plan Information for a Named Connection”
Section 8.2.1.2, “Range Optimization”
Section 5.1.10, “Server Status Variables”

EXPLAIN FORMAT=JSON

Section 8.2.1.21, “Window Function Optimization”

EXPLAIN FORMAT=TREE

Section 1.3, “What Is New in MySQL 8.0”

EXPLAIN SELECT

Section 13.2.15.8, “Derived Tables”
Section 8.8.2, “EXPLAIN Output Format”
Section 15.7.5.3, “How to Minimize and Handle Deadlocks”
Section 1.5, “How to Report Bugs or Problems”
Section 1.6.1, “MySQL Extensions to Standard SQL”
Section 24.3.5, “Obtaining Information About Partitions”

EXPLAIN SELECT COUNT()

[Section 24.2.1, “RANGE Partitioning”](#)

EXPLAIN tbl_name

[Section 8.8.1, “Optimizing Queries with EXPLAIN”](#)

F

[\[index top\]](#)

FETCH

[Section 13.6.6.2, “Cursor DECLARE Statement”](#)

[Section 13.6.6.3, “Cursor FETCH Statement”](#)

[Section 25.8, “Restrictions on Stored Programs”](#)

FETCH ... INTO var_list

[Section 13.6.4, “Variables in Stored Programs”](#)

FLUSH

[Section 7.3.1, “Establishing a Backup Policy”](#)

[Section 13.7.8.3, “FLUSH Statement”](#)

[Section 13.7.1.6, “GRANT Statement”](#)

[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 6.2.2, “Privileges Provided by MySQL”](#)

[Section 17.5.1.13, “Replication and FLUSH”](#)

[Section 13.7.8.6, “RESET Statement”](#)

[Section 25.8, “Restrictions on Stored Programs”](#)

[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

[Section 4.10, “Unix Signal Handling in MySQL”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

FLUSH BINARY LOGS

[Section 13.7.8.3, “FLUSH Statement”](#)

[Section 13.4.1.2, “RESET MASTER Statement”](#)

[Section 5.4.6, “Server Log Maintenance”](#)

FLUSH ENGINE LOGS

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH ERROR LOGS

[Section 5.4.2.10, “Error Log File Flushing and Renaming”](#)

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH GENERAL LOGS

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH HOSTS

[Section 5.1.12.3, “DNS Lookups and the Host Cache”](#)

[Section 13.7.8.3, “FLUSH Statement”](#)

[Section 1.3, “What Is New in MySQL 8.0”](#)

FLUSH LOGS

[Section 7.3.3, “Backup Strategy Summary”](#)

[Section 7.2, “Database Backup Methods”](#)

[Section 17.1.4.3, “Disabling GTID Transactions Online”](#)

[Section 17.1.4.2, “Enabling GTID Transactions Online”](#)
[Section 5.4.2.10, “Error Log File Flushing and Renaming”](#)
[Section 7.3.1, “Establishing a Backup Policy”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 5.4, “MySQL Server Logs”](#)
[Section 4.5.2, “mysqladmin — A MySQL Server Administration Program”](#)
[Section 17.5.1.13, “Replication and FLUSH”](#)
[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)
[Section 5.4.6, “Server Log Maintenance”](#)
[Section 5.1.10, “Server Status Variables”](#)
[Section 17.1.3.4, “Setting Up Replication Using GTIDs”](#)
[Section 17.2.4.1, “The Relay Log”](#)
[Section 17.1.3.5, “Using GTIDs for Failover and Scaleout”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

FLUSH OPTIMIZER_COSTS

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 8.9.5, “The Optimizer Cost Model”](#)

FLUSH PRIVILEGES

[Section 1.1, “About This Manual”](#)
[Section 6.4.1.2, “Caching SHA-2 Pluggable Authentication”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 6.2.3, “Grant Tables”](#)
[Section 8.12.3.1, “How MySQL Uses Memory”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 23.6.20.3, “NDB Cluster and MySQL Security Procedures”](#)
[Section 6.2.15, “Password Management”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.3.3.3, “Recovering From Failed Replication Privilege Checks”](#)
[Section 17.5.1.13, “Replication and FLUSH”](#)
[Section 17.3.3, “Replication Privilege Checks”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 6.2.21, “Setting Account Resource Limits”](#)
[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)
[Section 6.2.10, “Using Roles”](#)
[Section 6.2.13, “When Privilege Changes Take Effect”](#)

FLUSH RELAY LOGS

[Section 17.2.2.1, “Commands for Operations on a Single Channel”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH RELAY LOGS FOR CHANNEL channel

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH SLOW LOGS

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH STATUS

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 18.4, “Monitoring Group Replication”](#)
[Section 27.12.15, “Performance Schema Status Variable Tables”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 5.1.10, “Server Status Variables”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 27.12.20.12, “Status Variable Summary Tables”](#)

[Section 8.3.10, “Use of Index Extensions”](#)

FLUSH TABLE

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH TABLES

[Section 8.6.2, “Bulk Data Loading for MyISAM Tables”](#)

[Section 8.10.3, “Caching of Prepared Statements and Stored Programs”](#)

[Section 13.7.8.3, “FLUSH Statement”](#)

[Section 8.14.3, “General Thread States”](#)

[Section 13.2.5, “HANDLER Statement”](#)

[Section 8.4.3.1, “How MySQL Opens and Closes Tables”](#)

[Section 8.12.3.1, “How MySQL Uses Memory”](#)

[Section 16.7.2, “MERGE Table Problems”](#)

[Section 4.6.4, “mysamchk — MyISAM Table-Maintenance Utility”](#)

[Section 17.1.2.4, “Obtaining the Replication Source Binary Log Coordinates”](#)

[Section 6.2.2, “Privileges Provided by MySQL”](#)

[Section 16.2.4.2, “Problems from Tables Not Being Closed Properly”](#)

[Section 17.5.1.13, “Replication and FLUSH”](#)

[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)

[Section 5.1.10, “Server Status Variables”](#)

[Section 5.1.8, “Server System Variables”](#)

[Section 8.3.10, “Use of Index Extensions”](#)

FLUSH TABLES ... FOR EXPORT

[Section 15.6.1.2, “Creating Tables Externally”](#)

[Section 13.7.8.3, “FLUSH Statement”](#)

[Section 15.6.1.3, “Importing InnoDB Tables”](#)

[MySQL Glossary](#)

FLUSH TABLES ...FOR EXPORT

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH TABLES tbl_name ...

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH TABLES tbl_name ... FOR EXPORT

[Section 13.7.8.3, “FLUSH Statement”](#)

FLUSH TABLES tbl_name ... WITH READ LOCK

[Section 13.7.8.3, “FLUSH Statement”](#)

[Section 13.3.5, “LOCK INSTANCE FOR BACKUP and UNLOCK INSTANCE Statements”](#)

FLUSH TABLES tbl_name WITH READ LOCK

[Section 13.2.5, “HANDLER Statement”](#)

FLUSH TABLES WITH READ LOCK

[Section 13.1.10, “ALTER TABLESPACE Statement”](#)

[Section 7.2, “Database Backup Methods”](#)

[Section 7.3.1, “Establishing a Backup Policy”](#)

[Section 13.7.8.3, “FLUSH Statement”](#)

[Section 15.6.3.3, “General Tablespaces”](#)

[Section 8.14.3, “General Thread States”](#)

[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 17.1.2.4, “Obtaining the Replication Source Binary Log Coordinates”](#)

[Section 17.5.1.13, “Replication and FLUSH”](#)
[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.3.1, “START TRANSACTION, COMMIT, and ROLLBACK Statements”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 27.12.13.3, “The metadata_locks Table”](#)

FLUSH USER_RESOURCES

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 6.2.21, “Setting Account Resource Limits”](#)

G

[\[index top\]](#)

GET DIAGNOSTICS

[Section 13.6.7, “Condition Handling”](#)
[Section B.2, “Error Information Interfaces”](#)
[Section 13.6.7.3, “GET DIAGNOSTICS Statement”](#)
[Section 13.6.7.4, “RESIGNAL Statement”](#)
[Section 13.6.8, “Restrictions on Condition Handling”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.7.42, “SHOW WARNINGS Statement”](#)
[Section 13.6.7.5, “SIGNAL Statement”](#)
[Section 13.6.7.7, “The MySQL Diagnostics Area”](#)

GET STACKED DIAGNOSTICS

[Section 13.6.7.3, “GET DIAGNOSTICS Statement”](#)
[Section 13.6.7.7, “The MySQL Diagnostics Area”](#)

GRANT

[Section 6.2, “Access Control and Account Management”](#)
[Section 6.2.7, “Access Control, Stage 2: Request Verification”](#)
[Section 6.2.11, “Account Categories”](#)
[Section 6.2.1, “Account User Names and Passwords”](#)
[Section 6.2.8, “Adding Accounts, Assigning Privileges, and Dropping Accounts”](#)
[Section 17.2.1.1, “Advantages and Disadvantages of Statement-Based and Row-Based Replication”](#)
[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 2.10.4, “Changes in MySQL 8.0”](#)
[Section 18.6.1, “Communication Stack for Connection Security Management”](#)
[Section 15.8.2, “Configuring InnoDB for Read-Only Operation”](#)
[Section 5.1.13.3, “Connecting Using the IPv6 Local Host Address”](#)
[Section 13.7.1.3, “CREATE USER Statement”](#)
[Section 17.1.2.3, “Creating a User for Replication”](#)
[Section 17.2.5.2, “Evaluation of Table-Level Replication Options”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 6.2.3, “Grant Tables”](#)
[Section 8.12.3.1, “How MySQL Uses Memory”](#)
[Section 12.16, “Information Functions”](#)
[Section 2.9.1, “Initializing the Data Directory”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 5.1.13, “IPv6 Support”](#)
[Section 5.4.4.4, “Logging Format for Changes to mysql Database Tables”](#)
[Section A.14, “MySQL 8.0 FAQ: Replication”](#)

MySQL Glossary

- Section 4.5.6, “mysqlpump — A Database Backup Program”
- Section 23.6.20.2, “NDB Cluster and MySQL Privileges”
- Section 8.2.6, “Optimizing Database Privileges”
- Section 6.1.2.3, “Passwords and Logging”
- Section 23.7.5, “Preparing the NDB Cluster for Replication”
- Section 6.2.12, “Privilege Restriction Using Partial Revokes”
- Section 23.6.13, “Privilege Synchronization and NDB_STORED_USER”
- Section 6.2.2, “Privileges Provided by MySQL”
- Section 6.2.19, “Proxy Users”
- Section 17.1.6.3, “Replica Server Options and Variables”
- Section 17.5.1.13, “Replication and FLUSH”
- Section 17.5.1.8, “Replication of CURRENT_USER()”
- Section 17.5.1.22, “Replication of the mysql System Schema”
- Section 17.3.3, “Replication Privilege Checks”
- Section 13.7.1.8, “REVOKE Statement”
- Section 6.1.1, “Security Guidelines”
- Section 5.1.7, “Server Command Options”
- Section 5.1.8, “Server System Variables”
- Section 13.7.7.21, “SHOW GRANTS Statement”
- Section 6.2.4, “Specifying Account Names”
- Section 13.3.3, “Statements That Cause an Implicit Commit”
- Section 5.1.9.1, “System Variable Privileges”
- Section 25.4.6, “The Event Scheduler and MySQL Privileges”
- Section 5.3, “The mysql System Schema”
- Section 6.4.7.3, “Using MySQL Enterprise Firewall”
- Section 6.2.10, “Using Roles”
- Section 1.3, “What Is New in MySQL 8.0”
- Section 23.2.4, “What is New in MySQL NDB Cluster”
- Section 6.2.13, “When Privilege Changes Take Effect”
- Section 6.4.1.6, “Windows Pluggable Authentication”

GRANT ALL

- Section 13.7.1.6, “GRANT Statement”

GRANT EVENT

- Section 25.4.6, “The Event Scheduler and MySQL Privileges”

GRANT PROXY

- Section 6.4.1.7, “LDAP Pluggable Authentication”

GROUP BY

- Section 15.1.1, “Benefits of Using InnoDB Tables”

H

[\[index top\]](#)

HANDLER

- Section 16.8.3, “FEDERATED Storage Engine Notes and Tips”
- Section 13.7.8.3, “FLUSH Statement”
- Section A.4, “MySQL 8.0 FAQ: Stored Procedures and Functions”
- Section 1.6, “MySQL Standards Compliance”
- Section 5.1.8, “Server System Variables”

HANDLER ... CLOSE

- Section 13.7.7.24, “SHOW OPEN TABLES Statement”

HANDLER ... OPEN

[Section 13.7.7.24, “SHOW OPEN TABLES Statement”](#)

HANDLER ... READ

[Section 25.8, “Restrictions on Stored Programs”](#)

HANDLER OPEN

[Section 13.2.5, “HANDLER Statement”](#)

[Section 13.1.37, “TRUNCATE TABLE Statement”](#)

HELP

[Section 13.8.3, “HELP Statement”](#)

[Section 2.9.1, “Initializing the Data Directory”](#)

[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)

[Section 5.1.17, “Server-Side Help Support”](#)

|

[\[index top\]](#)

IF

[Section 8.10.3, “Caching of Prepared Statements and Stored Programs”](#)

[Section 13.6.7.2, “DECLARE ... HANDLER Statement”](#)

[Section 12.5, “Flow Control Functions”](#)

[Section 13.6.5, “Flow Control Statements”](#)

[Section 13.6.5.2, “IF Statement”](#)

IMPORT PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

IMPORT PARTITION ... TABLESPACE

[Section 13.1.9.1, “ALTER TABLE Partition Operations”](#)

IMPORT TABLE

[Section 13.1.2, “ALTER DATABASE Statement”](#)

[Section 13.2.6, “IMPORT TABLE Statement”](#)

[Section 13.2.9, “LOAD DATA Statement”](#)

[MySQL Glossary](#)

[Section 14.6, “Serialized Dictionary Information \(SDI\)”](#)

INSERT

[Section 6.2, “Access Control and Account Management”](#)

[Section 6.2.7, “Access Control, Stage 2: Request Verification”](#)

[Section 6.2.11, “Account Categories”](#)

[Section 6.2.8, “Adding Accounts, Assigning Privileges, and Dropping Accounts”](#)

[Section 17.2.1.1, “Advantages and Disadvantages of Statement-Based and Row-Based Replication”](#)

[Section 13.1.2, “ALTER DATABASE Statement”](#)

[Section 6.4.5.7, “Audit Log Filtering”](#)

[Section 6.4.5.11, “Audit Log Reference”](#)

[Section 15.6.1.6, “AUTO_INCREMENT Handling in InnoDB”](#)

[Section 15.7.2.2, “autocommit, Commit, and Rollback”](#)

[Section 7.1, “Backup and Recovery Types”](#)

[Section 15.1.2, “Best Practices for InnoDB Tables”](#)

[Section 8.5.5, “Bulk Data Loading for InnoDB Tables”](#)

[Section 8.6.2, “Bulk Data Loading for MyISAM Tables”](#)

[Section 8.10.3, “Caching of Prepared Statements and Stored Programs”](#)

[Section 15.5.2, “Change Buffer”](#)

Section 2.10.4, “Changes in MySQL 8.0”
Section 13.1.20.6, “CHECK Constraints”
Section 10.7, “Column Character Set Conversion”
Section 15.9.1.6, “Compression for OLTP Workloads”
Section 8.11.3, “Concurrent Inserts”
Section 15.6.1.5, “Converting Tables from MyISAM to InnoDB”
Section 13.1.15, “CREATE INDEX Statement”
Section 13.1.17, “CREATE PROCEDURE and CREATE FUNCTION Statements”
Section 13.1.20.8, “CREATE TABLE and Generated Columns”
Section 13.1.20.2, “CREATE TEMPORARY TABLE Statement”
Section 13.1.22, “CREATE TRIGGER Statement”
Section 13.1.23, “CREATE VIEW Statement”
Section 16.8.2.1, “Creating a FEDERATED Table Using CONNECTION”
Section 11.6, “Data Type Default Values”
Section 11.2.1, “Date and Time Data Type Syntax”
Section 13.6.7.2, “DECLARE ... HANDLER Statement”
Section 13.2.2, “DELETE Statement”
Section 17.2.1.3, “Determination of Safe and Unsafe Statements in Binary Logging”
Section 7.3.1, “Establishing a Backup Policy”
Section 8.8.2, “EXPLAIN Output Format”
Section 13.8.2, “EXPLAIN Statement”
Section 12.25.3, “Expression Handling”
Section 8.8.3, “Extended EXPLAIN Output Format”
Section 16.8.3, “FEDERATED Storage Engine Notes and Tips”
Section 15.21.3, “Forcing InnoDB Recovery”
Section 13.1.20.5, “FOREIGN KEY Constraints”
Section 12.10.5, “Full-Text Restrictions”
Section 8.14.3, “General Thread States”
Section 13.7.1.6, “GRANT Statement”
Section 6.2.3, “Grant Tables”
Section 12.16, “Information Functions”
Section 15.7.1, “InnoDB Locking”
Section 15.14, “InnoDB Startup Options and System Variables”
Section 13.2.7.2, “INSERT ... ON DUPLICATE KEY UPDATE Statement”
Section 13.2.7.1, “INSERT ... SELECT Statement”
Section 13.2.7.3, “INSERT DELAYED Statement”
Section 13.2.7, “INSERT Statement”
Section 17.2.5.3, “Interactions Between Replication Filtering Options”
Section 8.11.1, “Internal Locking Methods”
Section 26.1, “Introduction”
Section 13.1.20.10, “Invisible Columns”
Section 12.18.7, “JSON Schema Validation Functions”
Section 23.2.7.3, “Limits Relating to Transaction Handling in NDB Cluster”
Section 24.2.2, “LIST Partitioning”
Section 13.2.9, “LOAD DATA Statement”
Section 3.3.3, “Loading Data into a Table”
Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”
Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”
Section 5.4.4.4, “Logging Format for Changes to mysql Database Tables”
Section 24.3.1, “Management of RANGE and LIST Partitions”
Section 16.7.2, “MERGE Table Problems”
Section 8.11.4, “Metadata Locking”
Section 12.24, “Miscellaneous Functions”
Section A.1, “MySQL 8.0 FAQ: General”
Section A.11, “MySQL 8.0 FAQ: MySQL Chinese, Japanese, and Korean Character Sets”
Section A.5, “MySQL 8.0 FAQ: Triggers”
Section A.6, “MySQL 8.0 FAQ: Views”
Section 4.5.1.1, “mysql Client Options”

Section 6.6.3, “MySQL Enterprise Encryption Usage and Examples”
Section 1.6.1, “MySQL Extensions to Standard SQL”
MySQL Glossary
Section B.3.2.7, “MySQL server has gone away”
Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”
Section 4.5.4, “mysqldump — A Database Backup Program”
Section 4.5.6, “mysqlpump — A Database Backup Program”
Section 23.6.15, “NDB API Statistics Counters and Variables”
Section 23.6.11.1, “NDB Cluster Disk Data Objects”
Section 23.3.5, “NDB Cluster Example with Tables and Data”
Section 23.7.12, “NDB Cluster Replication Conflict Resolution”
Section 8.8.4, “Obtaining Execution Plan Information for a Named Connection”
Section 15.12.1, “Online DDL Operations”
Section 13.7.3.4, “OPTIMIZE TABLE Statement”
Section 8.9.3, “Optimizer Hints”
Section 8.2.5, “Optimizing Data Change Statements”
Section 8.2.5.1, “Optimizing INSERT Statements”
Section 8.6.1, “Optimizing MyISAM Queries”
Section 8.8.1, “Optimizing Queries with EXPLAIN”
Section 11.1.7, “Out-of-Range and Overflow Handling”
Section 24.1, “Overview of Partitioning in MySQL”
Section 24.4, “Partition Pruning”
Section 24.5, “Partition Selection”
Section 6.1.2.3, “Passwords and Logging”
Section 27.12.6, “Performance Schema Statement Event Tables”
Section 23.6.5, “Performing a Rolling Restart of an NDB Cluster”
Section 11.4.7, “Populating Spatial Columns”
Section 27.4.6, “Pre-Filtering by Thread”
Section 13.5.1, “PREPARE Statement”
Section 1.6.3.1, “PRIMARY KEY and UNIQUE Index Constraints”
Section 6.2.2, “Privileges Provided by MySQL”
Section 15.8.9, “Purge Configuration”
Section 24.2.1, “RANGE Partitioning”
Section 13.2.12, “REPLACE Statement”
Section 17.5.1.29, “Replica Errors During Replication”
Section 17.5.1.1, “Replication and AUTO_INCREMENT”
Section 17.5.1.30, “Replication and Server SQL Mode”
Section 17.5.1.14, “Replication and System Functions”
Section 17.5.1.36, “Replication and Triggers”
Section 17.5.1.39, “Replication and Variables”
Section 17.1.6.2, “Replication Source Options and Variables”
Section 24.6, “Restrictions and Limitations on Partitioning”
Section 13.1.20.9, “Secondary Indexes and Generated Columns”
Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”
Section 5.1.11, “Server SQL Modes”
Section 5.1.8, “Server System Variables”
Section 13.7.7.27, “SHOW PROCEDURE CODE Statement”
Section 13.7.7.38, “SHOW TABLE STATUS Statement”
Section 13.7.7.42, “SHOW WARNINGS Statement”
Section 8.3.3, “SPATIAL Index Optimization”
Section 25.7, “Stored Program Binary Logging”
Section 13.2.15, “Subqueries”
Section 8.11.2, “Table Locking Issues”
Section 13.2.16, “TABLE Statement”
Section 16.5, “The ARCHIVE Storage Engine”
Section 10.8.5, “The binary Collation Compared to _bin Collations”
Section 5.4.4, “The Binary Log”
Section 16.6, “The BLACKHOLE Storage Engine”

[Section 26.3.38, “The INFORMATION_SCHEMA TABLES Table”](#)
[Section 26.3.48, “The INFORMATION_SCHEMA VIEWS Table”](#)
[Section 1.2.2, “The Main Features of MySQL”](#)
[Section 16.7, “The MERGE Storage Engine”](#)
[Section 16.2, “The MyISAM Storage Engine”](#)
[Section 5.6.4, “The Rewriter Query Rewrite Plugin”](#)
[Section 5.1.19, “The Server Shutdown Process”](#)
[Section 25.3.1, “Trigger Syntax and Examples”](#)
[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)
[Section 15.20.9, “Troubleshooting the InnoDB memcached Plugin”](#)
[Section 15.6.6, “Undo Logs”](#)
[Section 25.5.3, “Updatable and Insertable Views”](#)
[Section 13.2.17, “UPDATE Statement”](#)
[Section 15.15.2.1, “Using InnoDB Transaction and Locking Information”](#)
[Section 5.6.4.2, “Using the Rewriter Query Rewrite Plugin”](#)
[Section 25.3, “Using Triggers”](#)
[Section 13.2.19, “VALUES Statement”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)
[Section 6.2.13, “When Privilege Changes Take Effect”](#)
[Section 6.4.5.8, “Writing Audit Log Filter Definitions”](#)

INSERT ... ON DUPLICATE KEY UPDATE

[Section 15.6.1.6, “AUTO_INCREMENT Handling in InnoDB”](#)
[Section 17.2.1.3, “Determination of Safe and Unsafe Statements in Binary Logging”](#)
[Section 16.8.3, “FEDERATED Storage Engine Notes and Tips”](#)
[Section 12.16, “Information Functions”](#)
[Section 13.2.7.2, “INSERT ... ON DUPLICATE KEY UPDATE Statement”](#)
[Section 13.2.7, “INSERT Statement”](#)
[Section 13.1.20.10, “Invisible Columns”](#)
[Section 23.7.3, “Known Issues in NDB Cluster Replication”](#)
[Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”](#)
[Section 16.7.2, “MERGE Table Problems”](#)
[Section 12.24, “Miscellaneous Functions”](#)
[MySQL Glossary](#)
[Section 13.2.19, “VALUES Statement”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

INSERT ... SELECT

[Section 17.2.1.1, “Advantages and Disadvantages of Statement-Based and Row-Based Replication”](#)
[Section 15.6.1.6, “AUTO_INCREMENT Handling in InnoDB”](#)
[Section 8.11.3, “Concurrent Inserts”](#)
[Section 13.2.7.2, “INSERT ... ON DUPLICATE KEY UPDATE Statement”](#)
[Section 13.2.7.1, “INSERT ... SELECT Statement”](#)
[Section 13.2.7, “INSERT Statement”](#)
[Section 8.4.4, “Internal Temporary Table Use in MySQL”](#)
[Section B.3.7, “Known Issues in MySQL”](#)
[Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”](#)
[NDB Cluster System Variables](#)
[Section 24.5, “Partition Selection”](#)
[Section 17.5.1.18, “Replication and LIMIT”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 5.4.4, “The Binary Log”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

INSERT ... SELECT ON DUPLICATE KEY UPDATE

[Section 13.2.7.2, “INSERT ... ON DUPLICATE KEY UPDATE Statement”](#)

[Section 13.2.7.1, “INSERT ... SELECT Statement”](#)

INSERT ... SET

[Section 13.2.7, “INSERT Statement”](#)

INSERT ... TABLE

[Section 13.2.7, “INSERT Statement”](#)

INSERT ... VALUES

[Section 13.2.7, “INSERT Statement”](#)

INSERT ... VALUES ROW()

[Section 13.2.7, “INSERT Statement”](#)

INSERT DELAYED

[Section 13.2.7.3, “INSERT DELAYED Statement”](#)

[Section 13.2.7, “INSERT Statement”](#)

INSERT IGNORE

[Section 13.1.20.6, “CHECK Constraints”](#)

[Section 1.6.3.4, “ENUM and SET Constraints”](#)

[Section 12.16, “Information Functions”](#)

[Section 13.2.7, “INSERT Statement”](#)

[Section 4.5.4, “mysqldump — A Database Backup Program”](#)

[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)

[Section 5.1.11, “Server SQL Modes”](#)

INSERT IGNORE ... SELECT

[Section 13.2.7.1, “INSERT ... SELECT Statement”](#)

INSERT INTO ... SELECT

[Section 6.2.7, “Access Control, Stage 2: Request Verification”](#)

[Section 15.7.2.3, “Consistent Nonlocking Reads”](#)

[Section 13.1.13, “CREATE EVENT Statement”](#)

[Section 13.2.7, “INSERT Statement”](#)

[Section 1.6.2.1, “SELECT INTO TABLE Differences”](#)

[Section 16.3, “The MEMORY Storage Engine”](#)

[Section 6.4.5.8, “Writing Audit Log Filter Definitions”](#)

INSERT INTO ... SELECT *

[Section 13.1.20.10, “Invisible Columns”](#)

INSERT INTO ... SELECT FROM memory_table

[Section 17.5.1.21, “Replication and MEMORY Tables”](#)

INSERT INTO...SELECT

[Section 8.2.1, “Optimizing SELECT Statements”](#)

INSTALL COMPONENT

[Section 13.1.1, “Atomic Data Definition Statement Support”](#)

[Section 2.10.4, “Changes in MySQL 8.0”](#)

[Section 5.5.3, “Error Log Components”](#)

[Section 5.4.2.1, “Error Log Configuration”](#)

[Section 13.7.4.3, “INSTALL COMPONENT Statement”](#)

[Section 5.5.1, “Installing and Uninstalling Components”](#)

[Section 6.4.4.2, “Keyring Component Installation”](#)
[Section 6.6.1, “MySQL Enterprise Encryption Installation and Upgrading”](#)
[Section 5.5.2, “Obtaining Component Information”](#)
[Section 6.4.3.1, “Password Validation Component Installation and Uninstallation”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 9.6, “Query Attributes”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 6.4.6, “The Audit Message Component”](#)
[Section 5.3, “The mysql System Schema”](#)
[Section 13.7.4.5, “UNINSTALL COMPONENT Statement”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

INSTALL PLUGIN

[Section 13.1.1, “Atomic Data Definition Statement Support”](#)
[Section 6.4.5.7, “Audit Log Filtering”](#)
[Section 6.4.5.11, “Audit Log Reference”](#)
[Section 15.8.2, “Configuring InnoDB for Read-Only Operation”](#)
[Section 6.4.2.1, “Connection-Control Plugin Installation”](#)
[Section 5.6.5.2, “`ddl_rewriter` Plugin Options”](#)
[Section 6.4.1.11, “FIDO Pluggable Authentication”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 6.4.4.15, “General-Purpose Keyring Key-Management Functions”](#)
[Section 8.12.3.1, “How MySQL Uses Memory”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 13.7.4.4, “`INSTALL PLUGIN` Statement”](#)
[Section 5.5.1, “Installing and Uninstalling Components”](#)
[Section 5.6.1, “Installing and Uninstalling Plugins”](#)
[Section 5.6.5.1, “Installing or Uninstalling `ddl_rewriter`”](#)
[Section 6.4.5.2, “Installing or Uninstalling MySQL Enterprise Audit”](#)
[Section 6.5.2, “Installing or Uninstalling MySQL Enterprise Data Masking and De-Identification”](#)
[Section 6.4.7.2, “Installing or Uninstalling MySQL Enterprise Firewall”](#)
[Section 5.6.6.2, “Installing or Uninstalling Version Tokens”](#)
[Section 17.4.10.1, “Installing Semisynchronous Replication”](#)
[Section 5.6.7.1, “Installing the Clone Plugin”](#)
[Section 6.4.1.8, “Kerberos Pluggable Authentication”](#)
[Section 6.4.4.3, “Keyring Plugin Installation”](#)
[Section 6.4.1.7, “LDAP Pluggable Authentication”](#)
[Section 12.10.9, “MeCab Full-Text Parser Plugin”](#)
[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 6.4.1.9, “No-Login Pluggable Authentication”](#)
[Section 5.6.2, “Obtaining Server Plugin Information”](#)
[Section 6.4.1.5, “PAM Pluggable Authentication”](#)
[Section 6.4.3.2, “Password Validation Options and Variables”](#)
[Section 16.11.1, “Pluggable Storage Engine Architecture”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 15.20.3, “Setting Up the InnoDB memcached Plugin”](#)
[Section 13.7.7.25, “SHOW PLUGINS Statement”](#)
[Section 6.4.1.10, “Socket Peer-Credential Pluggable Authentication”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 6.4.1.12, “Test Pluggable Authentication”](#)
[Section 26.3.22, “The INFORMATION_SCHEMA PLUGINS Table”](#)
[Section 5.3, “The mysql System Schema”](#)
[Section 15.20.9, “Troubleshooting the InnoDB memcached Plugin”](#)
[Section 13.7.4.6, “UNINSTALL PLUGIN Statement”](#)
[Section 6.4.4.9, “Using the `keyring_aws` Amazon Web Services Keyring Plugin”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section 6.4.1.6, “Windows Pluggable Authentication”](#)

INTERSECT

[Section 13.2.4, “EXCEPT Clause”](#)
[Section 13.2.11, “Parenthesized Query Expressions”](#)
[Section 13.2.13, “SELECT Statement”](#)
[Section 13.2.14, “Set Operations with UNION, INTERSECT, and EXCEPT”](#)
[Section 13.2.19, “VALUES Statement”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

ITERATE

[Section 13.6.7.2, “DECLARE ... HANDLER Statement”](#)
[Section 13.6.5, “Flow Control Statements”](#)
[Section 13.6.5.3, “ITERATE Statement”](#)
[Section 13.6.2, “Statement Labels”](#)

J

[\[index top\]](#)

JOIN

[Section 13.2.15.7, “Correlated Subqueries”](#)

K

[\[index top\]](#)

KILL

[Section 6.3.1, “Configuring MySQL to Use Encrypted Connections”](#)
[Section 8.14, “Examining Server Thread \(Process\) Information”](#)
[Section 8.14.3, “General Thread States”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 17.1.3.2, “GTID Life Cycle”](#)
[Section 13.7.8.4, “KILL Statement”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)
[Section B.3.2.7, “MySQL server has gone away”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 17.5.1.34, “Replication and Transaction Inconsistencies”](#)
[Section 13.7.7.29, “SHOW PROCESSLIST Statement”](#)
[Section 13.4.2.10, “STOP REPLICA Statement”](#)
[Section 28.4.3.9, “The innodb_lock_waits and x\\$innodb_lock_waits Views”](#)
[Section 28.4.3.28, “The schema_table_lock_waits and x\\$schema_table_lock_waits Views”](#)

KILL CONNECTION

[Section 13.7.8.4, “KILL Statement”](#)
[Section 13.4.2.10, “STOP REPLICA Statement”](#)
[Section 5.1.19, “The Server Shutdown Process”](#)

KILL QUERY

[Section 13.8.2, “EXPLAIN Statement”](#)
[Section 13.7.8.4, “KILL Statement”](#)
[Section 12.24, “Miscellaneous Functions”](#)
[Section 13.4.2.10, “STOP REPLICA Statement”](#)
[Section 5.1.19, “The Server Shutdown Process”](#)
[Section 13.2.20, “WITH \(Common Table Expressions\)”](#)

KILL QUERY processlist_id

[Section 5.6.7.11, “Stopping a Cloning Operation”](#)

L

[[index](#) [top](#)]

LEAVE

[Section 13.6.7.2, “DECLARE ... HANDLER Statement”](#)
[Section 13.6.5, “Flow Control Statements”](#)
[Section 13.6.5.4, “LEAVE Statement”](#)
[Section 13.6.5.5, “LOOP Statement”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 13.6.5.7, “RETURN Statement”](#)
[Section 13.6.2, “Statement Labels”](#)

LOAD DATA

[Section 13.1.2, “ALTER DATABASE Statement”](#)
[Section 6.4.5.4, “Audit Log File Formats”](#)
[Section 6.4.5.12, “Audit Log Restrictions”](#)
[Section 15.6.1.6, “AUTO_INCREMENT Handling in InnoDB”](#)
[Section 17.4.1.2, “Backing Up Raw Data from a Replica”](#)
[Section 7.1, “Backup and Recovery Types”](#)
[Section 8.6.2, “Bulk Data Loading for MyISAM Tables”](#)
[Section 13.1.20.6, “CHECK Constraints”](#)
[Section 8.11.3, “Concurrent Inserts”](#)
[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 7.2, “Database Backup Methods”](#)
[Section 10.3.3, “Database Character Set and Collation”](#)
[Section 17.2.1.3, “Determination of Safe and Unsafe Statements in Binary Logging”](#)
[Section 13.1.20.5, “FOREIGN KEY Constraints”](#)
[Section B.3.3.4, “How MySQL Handles a Full Disk”](#)
[Section 13.2.6, “IMPORT TABLE Statement”](#)
[Section 12.16, “Information Functions”](#)
[Section 13.1.20.10, “Invisible Columns”](#)
[Section B.3.7, “Known Issues in MySQL”](#)
[Section 23.2.7.3, “Limits Relating to Transaction Handling in NDB Cluster”](#)
[Section 13.2.9, “LOAD DATA Statement”](#)
[Section 13.2.10, “LOAD XML Statement”](#)
[Section 3.3.3, “Loading Data into a Table”](#)
[Section 5.4.4.4, “Logging Format for Changes to mysql Database Tables”](#)
[Section 6.1.3, “Making MySQL Secure Against Attackers”](#)
[Section 16.2.1, “MyISAM Startup Options”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 1.6.1, “MySQL Extensions to Standard SQL”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.5, “mysqlimport — A Data Import Program”](#)
[Section 23.5.13, “ndb_import — Import CSV Data Into NDB”](#)
[Section 23.5.27, “ndb_show_tables — Display List of NDB Tables”](#)
[Section 9.1.7, “NULL Values”](#)
[Section 8.2.5.1, “Optimizing INSERT Statements”](#)
[Section 11.1.7, “Out-of-Range and Overflow Handling”](#)
[Section 4.1, “Overview of MySQL Programs”](#)
[Section 24.1, “Overview of Partitioning in MySQL”](#)
[Section 24.5, “Partition Selection”](#)
[Section 23.6.5, “Performing a Rolling Restart of an NDB Cluster”](#)
[Section 17.3.3.1, “Privileges For The Replication PRIVILEGE_CHECKS_USER Account”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section B.3.4.3, “Problems with NULL Values”](#)

[Section 7.4.4, “Reloading Delimited-Text Format Backups”](#)
[Section 17.1.6.3, “Replica Server Options and Variables”](#)
[Section 17.5.1.19, “Replication and LOAD DATA”](#)
[Section 8.14.6, “Replication SQL Thread States”](#)
[Section 24.6, “Restrictions and Limitations on Partitioning”](#)
[Section 10.11, “Restrictions on Character Sets”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 17.3.2.1, “Scope of Binary Log Encryption”](#)
[Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”](#)
[Section 13.2.13.1, “SELECT ... INTO Statement”](#)
[Section 3.3.4.1, “Selecting All Data”](#)
[Section 5.1.7, “Server Command Options”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 13.7.7.42, “SHOW WARNINGS Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 11.3.5, “The ENUM Type”](#)
[Section 16.3, “The MEMORY Storage Engine”](#)
[Section 13.2.15.1, “The Subquery as Scalar Operand”](#)
[Section 6.2.22, “Troubleshooting Problems Connecting to MySQL”](#)
[Section 9.4, “User-Defined Variables”](#)
[Section 25.3, “Using Triggers”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)
[Section B.3.3.5, “Where MySQL Stores Temporary Files”](#)
[Section 2.3.7, “Windows Platform Restrictions”](#)

LOAD DATA ... IGNORE

[Section 13.1.20.6, “CHECK Constraints”](#)

LOAD DATA ... REPLACE

[Section 13.2.12, “REPLACE Statement”](#)

LOAD DATA INFILE

[Section 23.2.4, “What is New in MySQL NDB Cluster”](#)

LOAD DATA LOCAL

[Section 13.2.9, “LOAD DATA Statement”](#)
[Section 4.5.1.1, “mysql Client Options”](#)
[Section 2.8.7, “MySQL Source-Configuration Options”](#)
[Section 4.6.9, “mysqlbinlog — Utility for Processing Binary Log Files”](#)
[Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”](#)
[Section 5.1.8, “Server System Variables”](#)

LOAD DATA LOCAL INFILE

[Section 6.1.6, “Security Considerations for LOAD DATA LOCAL”](#)

LOAD INDEX INTO CACHE

[Section 13.7.8.2, “CACHE INDEX Statement”](#)
[Section 8.10.2.4, “Index Preloading”](#)
[Section 13.7.8.5, “LOAD INDEX INTO CACHE Statement”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)

LOAD INDEX INTO CACHE ... IGNORE LEAVES

[Section 13.7.8.5, “LOAD INDEX INTO CACHE Statement”](#)

LOAD XML

[Section 13.1.2, “ALTER DATABASE Statement”](#)

[Section 13.1.20.6, “CHECK Constraints”](#)
[Section 13.1.20.10, “Invisible Columns”](#)
[Section 13.2.10, “LOAD XML Statement”](#)
[Section 24.1, “Overview of Partitioning in MySQL”](#)
[Section 24.5, “Partition Selection”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 5.1.11, “Server SQL Modes”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

LOAD XML ... IGNORE

[Section 13.1.20.6, “CHECK Constraints”](#)

LOAD XML LOCAL

[Section 13.2.10, “LOAD XML Statement”](#)

LOCK INSTANCE FOR BACKUP

[Section 13.3.5, “LOCK INSTANCE FOR BACKUP and UNLOCK INSTANCE Statements”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 13.4.1.1, “PURGE BINARY LOGS Statement”](#)
[Section 5.1.8, “Server System Variables”](#)
[Section 1.3, “What Is New in MySQL 8.0”](#)

LOCK TABLE

[Section 8.11.3, “Concurrent Inserts”](#)
[Section 8.14.3, “General Thread States”](#)
[Section B.3.6.1, “Problems with ALTER TABLE”](#)

LOCK TABLES

[Section 13.1.10, “ALTER TABLESPACE Statement”](#)
[Section 15.1.2, “Best Practices for InnoDB Tables”](#)
[Section 8.6.2, “Bulk Data Loading for MyISAM Tables”](#)
[Section 13.1.12, “CREATE DATABASE Statement”](#)
[Section 13.1.20.3, “CREATE TABLE ... LIKE Statement”](#)
[Section 13.1.22, “CREATE TRIGGER Statement”](#)
[Section 15.7.5.2, “Deadlock Detection”](#)
[Section 15.7.5, “Deadlocks in InnoDB”](#)
[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 13.1.20.5, “FOREIGN KEY Constraints”](#)
[Section 15.6.3.3, “General Tablespaces”](#)
[Section 8.14.3, “General Thread States”](#)
[Section 13.7.1.6, “GRANT Statement”](#)
[Section 15.7.5.3, “How to Minimize and Handle Deadlocks”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 8.11.1, “Internal Locking Methods”](#)
[Section 23.2.7.10, “Limitations Relating to Multiple NDB Cluster Nodes”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)
[Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”](#)
[Section 16.7.2, “MERGE Table Problems”](#)
[Section 8.11.4, “Metadata Locking”](#)
[Section 4.5.4, “mysqldump — A Database Backup Program”](#)
[Section 4.5.6, “mysqlpump — A Database Backup Program”](#)
[Section 6.2.2, “Privileges Provided by MySQL”](#)
[Section 16.2.4.2, “Problems from Tables Not Being Closed Properly”](#)
[Section 13.1.36, “RENAME TABLE Statement”](#)
[Section 25.8, “Restrictions on Stored Programs”](#)
[Section 5.4.1, “Selecting General Query Log and Slow Query Log Output Destinations”](#)
[Section 5.1.8, “Server System Variables”](#)

[Section 13.3.1, “START TRANSACTION, COMMIT, and ROLLBACK Statements”](#)
[Section 13.3.3, “Statements That Cause an Implicit Commit”](#)
[Section 8.11.2, “Table Locking Issues”](#)

LOCK TABLES ... READ

[Section 13.7.8.3, “FLUSH Statement”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”](#)
[Section 8.11.4, “Metadata Locking”](#)

LOCK TABLES ... WRITE

[Section 15.7.1, “InnoDB Locking”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 15.7.3, “Locks Set by Different SQL Statements in InnoDB”](#)

LOCK TABLES READ

[Section 13.1.20.5, “FOREIGN KEY Constraints”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)

LOCK TABLES WRITE

[Section 13.1.20.5, “FOREIGN KEY Constraints”](#)
[Section 13.3.6, “LOCK TABLES and UNLOCK TABLES Statements”](#)

LOOP

[Section 13.6.5, “Flow Control Statements”](#)
[Section 13.6.5.3, “ITERATE Statement”](#)
[Section 13.6.5.4, “LEAVE Statement”](#)
[Section 13.6.5.5, “LOOP Statement”](#)
[Section 13.6.2, “Statement Labels”](#)

O

[\[index top\]](#)

OPTIMIZE PARTITION

[Section 15.12.1, “Online DDL Operations”](#)

OPTIMIZE TABLE

[Section 23.6.7.2, “Adding NDB Cluster Data Nodes Online: Basic procedure”](#)
[Section 23.6.7.3, “Adding NDB Cluster Data Nodes Online: Detailed Example”](#)
[Section 5.9.1, “Debugging a MySQL Server”](#)
[Section 13.2.2, “DELETE Statement”](#)
[Section 16.2.3.2, “Dynamic Table Characteristics”](#)
[Section 12.10.6, “Fine-Tuning MySQL Full-Text Search”](#)
[Section 8.14.3, “General Thread States”](#)
[Section B.3.3.4, “How MySQL Handles a Full Disk”](#)
[Section 15.6.1.3, “Importing InnoDB Tables”](#)
[Section 15.15.4, “InnoDB INFORMATION_SCHEMA FULLTEXT Index Tables”](#)
[Section 15.9.2, “InnoDB Page Compression”](#)
[Section 15.10, “InnoDB Row Formats”](#)
[Section 15.14, “InnoDB Startup Options and System Variables”](#)
[Section 13.7.8.4, “KILL Statement”](#)
[Section 23.2.7.2, “Limits and Differences of NDB Cluster from Standard MySQL Limits”](#)
[Section 13.3.5, “LOCK INSTANCE FOR BACKUP and UNLOCK INSTANCE Statements”](#)
[Section 24.3.4, “Maintenance of Partitions”](#)
[Section 16.7.2, “MERGE Table Problems”](#)

Section 7.6, “MyISAM Table Maintenance and Crash Recovery”
Section 7.6.4, “MyISAM Table Optimization”
Section 4.6.4.1, “myisamchk General Options”
Section 1.6.1, “MySQL Extensions to Standard SQL”
MySQL Server Options for NDB Cluster
Section 4.5.3, “mysqlcheck — A Table Maintenance Program”
Section 23.6.11.2, “NDB Cluster Disk Data Storage Requirements”
Section 15.12.8, “Online DDL Limitations”
Section 15.12.1, “Online DDL Operations”
Section 23.6.12, “Online Operations with ALTER TABLE in NDB Cluster”
Section 13.7.3.4, “OPTIMIZE TABLE Statement”
Section 8.6.1, “Optimizing MyISAM Queries”
Section 8.2.5.2, “Optimizing UPDATE Statements”
Section 8.2.7, “Other Optimization Tips”
Section 6.2.2, “Privileges Provided by MySQL”
Section 17.5.1.13, “Replication and FLUSH”
Section 24.6, “Restrictions and Limitations on Partitioning”
Section 5.1.7, “Server Command Options”
Section 5.1.8, “Server System Variables”
Section 7.6.5, “Setting Up a MyISAM Table Maintenance Schedule”
Section 13.3.3, “Statements That Cause an Implicit Commit”
Section 16.2.3.1, “Static (Fixed-Length) Table Characteristics”
Section 16.5, “The ARCHIVE Storage Engine”
Section 26.4.14, “The INFORMATION_SCHEMA INNODB_FT_BEING_DELETED Table”
Section 26.4.15, “The INFORMATION_SCHEMA INNODB_FT_CONFIG Table”
Section 26.4.17, “The INFORMATION_SCHEMA INNODB_FT_DELETED Table”
Section 26.4.18, “The INFORMATION_SCHEMA INNODB_FT_INDEX_CACHE Table”
Section 26.4.19, “The INFORMATION_SCHEMA INNODB_FT_INDEX_TABLE Table”
Section 26.4.23, “The INFORMATION_SCHEMA INNODB_TABLES Table”
Section 5.1.19, “The Server Shutdown Process”
Section 5.4.5, “The Slow Query Log”
Section 8.12.2.2, “Using Symbolic Links for MyISAM Tables on Unix”

ORDER BY

Section 15.1.1, “Benefits of Using InnoDB Tables”

P

[index top]

PARTITION BY

Section 15.12.1, “Online DDL Operations”

PREPARE

Section 8.10.3, “Caching of Prepared Statements and Stored Programs”
Section 13.2.1, “CALL Statement”
Section 13.5.3, “DEALLOCATE PREPARE Statement”
Section 13.5.2, “EXECUTE Statement”
Section 9.2.3, “Identifier Case Sensitivity”
Section 8.11.4, “Metadata Locking”
Section 13.5.1, “PREPARE Statement”
Section 13.5, “Prepared Statements”
Section 9.6, “Query Attributes”
Section 25.8, “Restrictions on Stored Programs”
Section 5.1.10, “Server Status Variables”
Section 27.12.6.4, “The prepared_statements_instances Table”
Section 1.3, “What Is New in MySQL 8.0”