MySQL Cluster 5.0 Release Notes

Abstract

Beginning with MySQL 5.0.8, MySQL Cluster changes for MySQL 5.0 Server releases can be found in the MySQL 5.0 Server Release Notes.

This document contains release notes for older releases of MySQL Cluster (before 5.0.8) that use version 5.0 of the NDBCLUSTER storage engine.

For additional MySQL 5.0 documentation, see the MySQL 5.0 Reference Manual, which includes an overview of features added in MySQL 5.0 that are not specific to MySQL Cluster (What Is New in MySQL 5.0). For a complete list of all bugfixes and feature changes made in MySQL 5.0 that are not specific to MySQL Cluster, see MySQL 5.0 Release Notes.

For legal information, see the Legal Notices.

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

For additional documentation on MySQL products, including translations of the documentation into other languages, and downloadable versions in variety of formats, including HTML and PDF formats, see the MySQL Documentation Library.

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Changes in MySQL Cluster-5.0.7 (10 June 2005)

Note

Starting with version 5.0.8, changes for MySQL Cluster can be found in the combined MySQL Release Notes.

Functionality added or changed:

Bugs fixed:

- (Bug #11019) mgmapi start backup in some cases returns wrong backupid
- (Bug #10190) Backup from cluster wih NoOfReplica=1 is corrupt
- (Bug #9246) Condition pushdown and left join, wrong result
- (Bug #10956) More than 7 node restarts with `--initial` caused cluster to fail.
- (Bug #9945) `ALTER TABLE` caused server crash. (Linux/390)
- (Bug #9826) (Bug #10948) Schema change (`DROP TABLE`, `ALTER TABLE`) crashed HPUX and PPC32.
- (Bug #10711) (Bug #9363) (Bug #8918) (Bug #10058) (Bug #9025) Cluster would time out and crash after first query; setting DataMemory to more than 2GB prevented cluster from starting; calling `ndb_select_count()` crashed the cluster. (64-bit Unix OSes)

Changes in MySQL Cluster-5.0.6 (26 May 2005)

Functionality added or changed:

- Limit on number of metadata objects (number of tables, indexes and BLOBs) now increased to 20,320

Bugs fixed:

- The server would hang on successive calls to an `INSERT ... ON DUPLICATE KEY UPDATE` query. (Bug #9725)
- (Bug #10193) Invalid DataDir in config causes ndbd segmentation fault
- (Bug #10813) Build with SCI Transporter fails
- (Bug #10831) ndb mgmd LogDestination maxfiles does not rotate logs properly

Changes in MySQL Cluster-5.0.5 (Not released)

Functionality added or changed:

- Decreased IndexMemory Usage
- Parallel key lookup (read-multi-range) for queries like `SELECT * FROM t1 WHERE primary_key IN (1,2,3,4,5,6,7,8,9,10);`

Bugs fixed:

Patches merged from versions 4.1.11 and 4.1.12

- (Bug #8315) NdbScanFilter cmp method only works for strings of exact word boundary length
- (Bug #8103) Configuration handling error

- (Bug #8035) mysqld signal 10 when ndbd is shutdown
- (Bug #7631) NDB$EVENT contains unreadable event and table names
- (Bug #7628) Filtered event types are ignored
- (Bug #7627) Drop Event operation fails
- (Bug #7424) create index on datetime fails

Changes in MySQL Cluster-5.0.4 (16 April 2005)

Functionality added or changed:

- Condition pushdown to storage engine now works for update and delete as well

Bugs fixed:

- (Bug #9675) Auto-increment not working with INSERT..SELECT and NDB storage
- (Bug #9517) Condition pushdown to storage engine does not work for update/delete
- (Bug #9282) API Node Crashes/Reloads on 'DELETE FROM'
- (Bug #9280) Memory leak in cluster when dependent sub-queries are used
- (Bug #8585) ndb_cache2 fails on aix52

Changes in MySQL Cluster-5.0.3 (23 March 2005: Beta)

Functionality added or changed:

- Condition pushdown to storage engine
- Query cache enabled for cluster

Bugs fixed:

- Patches merged from version 4.1.10

Changes in MySQL Cluster-5.0.1 (27 July 2004)

Functionality added or changed:

- This was the first MySQL Cluster release in the 5.0 series. As nearly all attention was still focused on getting 4.1 stable, it is not recommended to use MySQL 5.0.1 for MySQL Cluster.

Bugs fixed:

- N/A