MySQL NDB Cluster 26.10 Release Notes

Abstract

This document contains release notes for the changes in each release of MySQL NDB Cluster that uses version 26.10 of the NDB (NDBCLUSTER) storage engine.

Each NDB Cluster 26.10 release is based on a mainline MySQL Server release and a particular version of the NDB storage engine, as shown in the version string returned by executing SELECT VERSION() in the mysql client, or by executing the ndb_mgm client SHOW or STATUS command; for more information, see MySQL NDB Cluster 26.10.

For general information about features added in NDB Cluster 26.10, see What is New in MySQL NDB Cluster 26.10. For a complete list of all bug fixes and feature changes in MySQL NDB Cluster, please refer to the changelog section for each individual NDB Cluster release.

For additional MySQL 26.10 documentation, see the MySQL 26.10 Reference Manual, which includes an overview of features added in MySQL 26.10 that are not specific to NDB Cluster (What Is New in MySQL 26.10), and discussion of upgrade issues that you may encounter for upgrades from MySQL 9.7 to MySQL 26.10 (Changes in MySQL 26.10). For a complete list of all bug fixes and feature changes made in MySQL 26.10 that are not specific to NDB, see MySQL 26.10 Release Notes.

Updates to these notes occur as new product features are added, so that everybody can follow the development process. If a recent version is listed here that you cannot find on the download page (https://dev.mysql.com/downloads/), the version has not yet been released.

The documentation included in source and binary distributions may not be fully up to date with respect to release note entries because integration of the documentation occurs at release build time. For the most up-to-date release notes, please refer to the online documentation instead.

For legal information, see the Legal Notices.

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

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Preface and Legal Notices

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Changes in MySQL NDB Cluster 26.10.0 (Not yet released)

MySQL NDB Cluster 26.10 is a new Innovation release of NDB Cluster, based on MySQL Server 26.7 and including features in version 26.10 of the `NDB` storage engine, as well as fixing recently discovered bugs in previous NDB Cluster releases.

Obtaining MySQL NDB Cluster 26.10. NDB Cluster 26.10 source code and binaries can be obtained from https://dev.mysql.com/downloads/cluster/.

For an overview of major changes made in NDB Cluster 26.10, see What is New in MySQL NDB Cluster 26.10.

This release also incorporates all bug fixes and changes made in previous NDB Cluster releases, as well as all bug fixes and feature changes which were added in mainline MySQL 9 through MySQL 26.7.0 (see Changes in MySQL NDB Cluster 26.7.0 (2026-07-30)).

Version 26.10.0-ndb-26.10.0 has no release notes, or they have not been published because the product version has not been released.

Changes in MySQL NDB Cluster 26.7.1 (2026-08-18)

MySQL NDB Cluster 26.7.1 is a new Innovation release of NDB Cluster, based on MySQL Server 26.7 and including features in version 26.7 of the `NDB` storage engine, as well as fixing recently discovered bugs in previous NDB Cluster releases.

Obtaining MySQL NDB Cluster 26.7. NDB Cluster 26.7 source code and binaries can be obtained from https://dev.mysql.com/downloads/cluster/.

For an overview of major changes made in NDB Cluster 26.7, see What is New in MySQL NDB Cluster 26.10.

This release also incorporates all bug fixes and changes made in previous NDB Cluster releases, as well as all bug fixes and feature changes which were added in mainline MySQL 9 through MySQL 26.7.0 (see Changes in MySQL NDB Cluster 26.7.0 (2026-07-30)).

Note

This release is a Critical Security Patch Update for the NDB Cluster docker image, only. See Oracle Critical Security Patch Update Advisory - August 2026 for more information.

Changes in MySQL NDB Cluster 26.7.0 (2026-07-30)

MySQL NDB Cluster 26.7.0 is a new Innovation release of NDB Cluster, based on MySQL Server 26.7 and including features in version 26.7 of the `NDB` storage engine, as well as fixing recently discovered bugs in previous NDB Cluster releases.

Obtaining MySQL NDB Cluster 26.7. NDB Cluster 26.7 source code and binaries can be obtained from https://dev.mysql.com/downloads/cluster/.

For an overview of major changes made in NDB Cluster 26.7, see What is New in MySQL NDB Cluster 26.10.

This release also incorporates all bug fixes and changes made in previous NDB Cluster releases, as well as all bug fixes and feature changes which were added in mainline MySQL 9 through MySQL 26.7.0 (see Changes in MySQL NDB Cluster 26.7.0 (2026-07-30)).

- Functionality Added or Changed
- Bugs Fixed

Functionality Added or Changed

- In cloud and service-mesh deployments, NDB Management Server could reject node ID allocation because the incoming connection's source address did not match the hostname configured for that node. The existing `--no-nodeid-checks` workaround disabled broader safety checks and could allow multiple nodes to use the same node ID.

  As of this release, a new option, `--skip-nodeid-address-check`, selectively disables hostname matching, allowing node ID allocation through proxies while retaining other node ID protections.

  `--no-nodeid-checks` is deprecated and acts as an alias for `--skip-nodeid-address-check`. (Bug #38899143)

- As of this release, log messages containing the node group ID are written at node startup and when the node group ID changes due to CREATE NODEGROUP or DROP NODEGROUP. (Bug #36379201)

Bugs Fixed

- **NDB Cluster APIs:** NDBAPI could misidentify a complete disconnection from all data nodes as a series of survivable individual node failures when disconnect notifications were delayed. A node could

reconnect before all disconnects had been processed, leaving transactions stalled until protocol timeouts and event subscriptions waiting for events that would never arrive.

NDBAPI now tracks node-failure completion consistently and delays reconnection attempts until failure handling is complete. This ensures complete cluster-side state loss is detected correctly and local transactions and event subscriptions are cleaned up and re-established as needed. (Bug #35959495)

- When a table or index scan was split across multiple fragments and nodes, some fragment-scan requests could remain queued for sending. If a data node failed at that point, cleanup handled requests already sent but could miss queued requests targeting the failed node, leading to an assertion failure. NDB now handles pending fragment-scan requests for failed nodes correctly, preventing the failure. (Bug #39555153)
- Backup-abort requests could be rejected if they arrived while backup shutdown processing was already underway, due to an overly restrictive internal state check. This could affect abort handling during concurrent backup-stop activity. The Backup block now accepts abort requests during the relevant stop-processing states. (Bug #39446861)
- When a filesystem was full or nearly full, an NDB data node could treat a partial file write as successful, risking file corruption. Partial writes are now handled as failures, including reporting unknown error 2813 when a failed file operation has no operating-system error code. (Bug #39436680)
- An assertion failure could happen on NDBAPI nodes if a newly added API node with a higher node ID connected before the existing API nodes were restarted. Their fixed-size subscription tracking bitmap was sized using the previous configuration and could not represent the new node.

  NDBAPI now allocates this tracking data for the maximum supported cluster node ID and safely rejects out-of-range subscription events with an error message. (Bug #38932493)
- It was possible for data nodes to stop unexpectedly if TDE was enabled. (Bug #38549404)
- Fixed an assertion which occurred when bulk inserts or deletes were occurring on a table, while nodes were restarting. (Bug #30702408)

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