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# MySQL NDB Cluster 9.6 Release Notes

## Abstract

This document contains release notes for the changes in each release of MySQL NDB Cluster that uses version 9.6 of the [NDB \(NDBCLUSTER\)](#) storage engine.

Each NDB Cluster 9.6 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 9.6](#).

For general information about features added in NDB Cluster 9.6, see [What is New in MySQL NDB Cluster 9.6](#). 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 9.6 documentation, see the [MySQL 9.6 Reference Manual](#), which includes an overview of features added in MySQL 9.6 that are not specific to NDB Cluster ([What Is New in MySQL 9.6](#)), and discussion of upgrade issues that you may encounter for upgrades from MySQL 9.5 to MySQL 9.6 ([Changes in MySQL 9.6](#)). For a complete list of all bug fixes and feature changes made in MySQL 9.6 that are not specific to [NDB](#), see [MySQL 9.6 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.

Document generated on: 2026-02-05 (revision: 30949)

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## Changes in MySQL NDB Cluster 9.6.0 (2026-01-22, Innovation Release)

MySQL NDB Cluster 9.6.0 is a new Innovation release of NDB Cluster, based on MySQL Server 9.6 and including features in version 9.6 of the [NDB](#) storage engine, as well as fixing recently discovered bugs in previous NDB Cluster releases.

**Obtaining MySQL NDB Cluster 9.6.** NDB Cluster 9.6 source code and binaries can be obtained from <https://dev.mysql.com/downloads/cluster/>.

For an overview of major changes made in NDB Cluster 9.6, see [What is New in MySQL NDB Cluster 9.6](#).

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 9.6.0 (see [Changes in MySQL NDB Cluster 9.6.0 \(2026-01-22, Innovation Release\)](#)).



### Note

These release notes were created with the assistance of MySQL HeatWave GenAI.

- [Functionality Added or Changed](#)

- [Bugs Fixed](#)

## Functionality Added or Changed

- Reporting of File Close errors has been improved. (Bug #38726643)
- The option `--skip-fk-checks` was added to `ndb_restore`. This option modifies the behavior of `--rebuild-indexes` so that, when foreign keys are re-enabled, the existing data in the table is not checked for consistency. (Bug #38593666)
- The logs generated for backup and restore operations are improved in this release. (Bug #38592288)

## Bugs Fixed

- The NDB purge process responsible for removing rows from `mysql.ndb_binlog_index` when a binary log file is purged, assumed that `autocommit` is enabled, and each DML operation commits immediately. However, if `autocommit` is disabled globally, the purge process inherited this value and purge operations were not committed.

As of this release, `autocommit` is enabled for the purge session, even when the global setting is disabled. (Bug #38488185)

- NDB data nodes failed to start if either of the `NDBCNTR` or `DBDIH` system files were empty. (Bug #38424959)
- A data node failure occurred due to a reference validity check which failed. (Bug #38422448)
- BackupRecords in a participant node were not released from the pool when a backup was aborted, causing subsequent backup operations to fail. (Bug #38151265)
- Certain Transporter error messages did not include information on the source node. (Bug #37922543)
- The `ndb_restore` log message for total log bytes restored was incorrect (Bug #37697971)
- In the NDB management server, the TLS INFO statistics `upgraded` and `tls` were incremented if TLS authentication had failed. They should only be incremented on success. (Bug #36414579)
- `ndb_log_bin` could be set dynamically, but had no effect. This variable is not dynamic and is only checked when the binlog thread starts. (Bug #32860560)

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