
MySQL NDB Cluster 9.5 Release Notes

Abstract

This document contains release notes for the changes in each release of MySQL NDB Cluster that uses version 9.5 of the [NDB \(NDBCLUSTER\)](#) storage engine.

Each NDB Cluster 9.5 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 9.5](#).

For general information about features added in NDB Cluster 9.5, see [What is New in MySQL NDB Cluster 9.5](#). 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 9.5 documentation, see the [MySQL 9.5 Reference Manual](#), which includes an overview of features added in MySQL 9.5 that are not specific to NDB Cluster ([What Is New in MySQL 9.5](#)), and discussion of upgrade issues that you may encounter for upgrades from MySQL 9.4 to MySQL 9.5 ([Changes in MySQL 9.5](#)). For a complete list of all bug fixes and feature changes made in MySQL 9.5 that are not specific to [NDB](#), see [MySQL 9.5 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 9.5.0 (2025-10-23, Innovation Release)

MySQL NDB Cluster 9.5.0 is a new Innovation release of NDB Cluster, based on MySQL Server 9.5 and including features in version 9.5 of the [NDB](#) storage engine, as well as fixing recently discovered bugs in previous NDB Cluster releases.

Obtaining MySQL NDB Cluster 9.5. NDB Cluster 9.5 source code and binaries can be obtained from <https://dev.mysql.com/downloads/cluster/>.

For an overview of major changes made in NDB Cluster 9.5, see [What is New in MySQL NDB Cluster 9.5](#).

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 9.5.0 (see [Changes in MySQL NDB Cluster 9.5.0 \(2025-10-23, Innovation Release\)](#)).

- [Deprecation and Removal Notes](#)
- [Functionality Added or Changed](#)
- [Bugs Fixed](#)

Deprecation and Removal Notes

- Support for [Ndb.cfg](#) configuration files, deprecated in MySQL 9.1, has been removed; such files are no longer read by any NDB Cluster executable.

For further information, see [NDB Cluster Connection Strings](#). (WL #16302)

Functionality Added or Changed

- MySQL NDB Cluster now generates log entries for redo logging issues, including [redo log buffer exhaustion](#), [redo log space exhaustion](#), and [file change problems](#), which can cause transactions to be aborted, queued, or delayed. A secondary overload control mechanism monitors the rate at which the redo log part's Redo buffer is flushed to disk and estimates the time required to complete writing all data in the part's Redo buffer. (Bug #37903091)
- [LogLevelBackup](#) and [LogLevelSchema](#) Data node options were added in this release. (Bug #28004136)

Bugs Fixed

- If a data node restarted during a backup, the remaining data nodes could hang and the backup process stopped. The backup was marked as failed, and other nodes did not terminate their backup process, preventing further backups from being initiated. (Bug #38316252)
- It was not possible to restore backups with [BackupID](#) values greater than 2147483647, with the [ndb_restore](#) tool. Errors were returned similar to the following:

```
ndb_restore: [Warning] option 'backupid': signed value
3000000000 adjusted to 2147483647. Failed to find backup
2147483647.
```

(Bug #38260769)

- Concurrent execution of [TRUNCATE TABLE](#) statements and starting an Ndb backup could cause the statements to hang indefinitely, affecting cluster availability. Errors were returned similar to the following:

```
ERROR 1296 (HY000): Got error 761 'Unable to drop table as
backup is in progress' from NDBCLUSTER
```

(Bug #37486661)

- Setting log level options for data nodes in MySQL NDB Cluster, such as [LogLevelCheckpoint](#), [LogLevelStatistic](#), [LogLevelInfo](#), [LogLevelCongestion](#), [LogLevelError](#), and [LogLevelConnection](#) to a higher value does not provide additional log information beyond their default values. Errors were returned similar to the following:

```
Ndb kernel thread 0 is stuck in: Job Handling elapsed=100,
Watchdog: Warning overslept
```

(Bug #17847063)

- The MySQL NDB Cluster's example code for [MGMAPI_LOGEVENT](#) was intended to compile as plain C, but had a .cpp extension and included a C++ header. The example file has been renamed to [main.c](#) and the C++ header has been removed. (Bug #12678874)

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