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# MySQL Cluster Manager 8.4 Release Notes

## Abstract

This document contains information about changes in MySQL Cluster Manager version 8.4.

For additional MySQL Cluster Manager 8.4 documentation, see <https://dev.mysql.com/doc/mysql-cluster-manager/8.4/en/>.

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

This document contains information about changes in MySQL Cluster Manager version 8.4.

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## Changes in MySQL Cluster Manager 8.4.2 (2024-07-23, Innovation Release)

Version 8.4.2 is the latest General Availability release of the 8.4 LTS series of MySQL Cluster Manager. It is suitable for use with MySQL NDB Cluster 8.4, 8.0, and 7.6.

This release contains no functional changes or bug fixes and is published to align the version number with the MySQL NDB Cluster 8.4.2 release.

## Changes in MySQL Cluster Manager 8.4.1 (2024-07-02, LTS Release)

Version 8.4.1 is the latest General Availability release of the 8.4 LTS series of MySQL Cluster Manager. It is suitable for use with MySQL NDB Cluster 8.4, 8.0, and 7.6.

## Bugs Fixed

- **Agent:** `mcmd` quit unexpectedly sometimes while trying to back up a large cluster. (Bug #36675015)
- **Client:** MySQL Cluster Manager did not handle correctly the version information for some cluster parameters' introduction or removal, so that it was sometimes confused with the availability of those parameters for a cluster. (Bug #36647522)
- **Client:** The format of the `mysqld` XML configuration file (`mcm-installation-dir/var/mysqld.xml`) has been updated to better organize the configuration information. (Bug #36298214)
- Certain restrictions for upgrading and downgrading on MySQL Cluster Manager have been removed. Please refer to [Upgrading and Downgrading NDB Cluster](#) for valid upgrade and downgrade paths for MySQL NDB Cluster and MySQL Cluster Manager. (Bug #36610348, Bug #36720575)
- Some Windows binaries for MySQL Cluster Manager had wrong or missing version or product name information under its Properties. (Bug #36510070)

## Changes in MySQL Cluster Manager 8.4.0 (2024-04-30, LTS Release)

MySQL Cluster Manager 8.4.0 marks the start of a new series of LTS (Long Term Support) releases. MySQL Cluster Manager 8.4.0 is recommended for use on production systems.

The 8.4.X LTS releases will focus on security and bug fixes while the next Innovation series will include new features.

MySQL Cluster Manager 8.4.0 is suitable for use with MySQL NDB Cluster 8.4, 8.0, and 7.6.

Listed below are functionality changes and bug fixes for MySQL Cluster Manager 8.4.0, in comparison to release 8.3.0.

- [Functionality Added or Changed](#)
- [Bugs Fixed](#)

## Functionality Added or Changed

- MySQL Cluster Manager now supports [TLS Link Encryption for NDB Cluster](#). See [Using TLS Connections for NDB Clusters](#) for details. (Bug #35092990)

## Bugs Fixed

- **Agent:** The default authentication plugin for the `mysqld` version is now used when `mcmd` makes a connection. This is done to avoid excessive deprecation warnings in the `mysqld` log in case `mcmd` attempts to use deprecated plugins. (Bug #36215227)
- **Agent:** The configuration for a `mysqld` node could not be loaded if the configuration file used `!include` to import another configuration file and the file path for the import contained any dashes (-) in it. (Bug #36029115)
- **Agent:** The `--background` option, deprecated in release 8.1.0, has now been removed. You can no longer use it with any `mcm` client commands. (Bug #25480576)
- **Client:** `mcm` did not issue a deprecation warning when the deprecated `validate_password` plugin was being used for `mysqld` connections. (Bug #36589037)
- **Client:** Some help texts of the `mcm` client commands contained artifacts, which have now been removed. (Bug #36398066, Bug #36210786)
- **Client:** Auto completion for client commands did not always work. It has been fixed, but is also disabled now by default. To enable the function, use the `--auto-rehash` variable to `TRUE` when you start the `mcm` client. (Bug #34968330)
- **Client:** The value of the `mysqld` system variable `secure_file_priv` could not be set to an empty string. (Bug #23665566)