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# MySQL Cluster Manager 9.1 Release Notes

## Abstract

This document contains information about changes in MySQL Cluster Manager version 9.1.

For additional MySQL Cluster Manager 9.1 documentation, see <https://dev.mysql.com/doc/mysql-cluster-manager/9.1/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.

Document generated on: 2025-01-07 (revision: 29453)

## Table of Contents

Preface and Legal Notices .....	1
Changes in MySQL Cluster Manager 9.1.0 (2024-10-16, Innovation Release) .....	3

## Preface and Legal Notices

This document contains information about changes in MySQL Cluster Manager version 9.1.

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## Changes in MySQL Cluster Manager 9.1.0 (2024-10-16, Innovation Release)

Version 9.1.0 is the latest innovation Release of the MySQL Cluster Manager. It is intended for use with MySQL NDB Cluster 9.1 and 8.4, but also supports the 8.0 series.

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

### Functionality Added or Changed

- **Important Change:** For platforms on which OpenSSL libraries are bundled, the linked OpenSSL library for MySQL Cluster Manager has been updated to 3.0.15. Issues fixed in OpenSSL version 3.0.15 are described at <https://openssl-library.org/news/openssl-3.0-notes/>. (Bug #37021997)
- **Client:** The `mcm` client has been updated to align with the latest `mysql` client in terms of its functionality. See [Changes in MySQL 9.1.0](#) for details. (Bug #37023118)
- **Client:** When a `mysqld` node quit unexpectedly, the error message given was uninformative. The `mcm` client now displays error information extracted from the `mysqld` log in the situation. (Bug #36840761)
- **Client:** MySQL Cluster Manager now uses the third-party library GLib version 2.80.3. The new GLib version is included in the MySQL Cluster Manager distribution archive. (Bug #36782677)
- **Client:** The `mcm` command `create certs` now gets a new option, `--renew`, for renewing the TLS keys. See the description of the option for details. (Bug #36556506)

### Bugs Fixed

- **Agent:** The `INFO_SRC` file in the delivery packages of MySQL Cluster Manager was missing the line on release maturity. (Bug #36924101)
- **Client:** The error text for the `COMMAND_OPTION_DEPENDENCY` error was incorrect, with the command name being replaced by the cluster name. (Bug #36954160)
- **Client:** `mcm` allowed setting the `mysqld` system variables `telemetry.otel_exporter_otlp_traces_max_tls` and `telemetry.otel_exporter_otlp_traces_min_tls` to an empty string, which was not allowed by the `mysqld` node and caused the node to fail. With this fix, setting the variables to empty strings are no longer allowed by `mcm`. (Bug #36508351)

