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# MySQL Cluster Manager 9.0 Release Notes

## Abstract

This document contains information about changes in MySQL Cluster Manager version 9.0.

For additional MySQL Cluster Manager 9.0 documentation, see <https://dev.mysql.com/doc/mysql-cluster-manager/9.0/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)

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## Preface and Legal Notices

This document contains information about changes in MySQL Cluster Manager version 9.0.

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## Changes in MySQL Cluster Manager 9.0.1 (2024-07-23, Innovation Release)

Version 9.0.1. is the latest innovation Release of the MySQL Cluster Manager. It is intended for use with MySQL NDB Cluster 9.0 and 8.4, but also supports the 8.0 series.

This release contains no functional changes or bug fixes and is published to align the version number with the MySQL NDB Cluster 9.0.1 release.

## Changes in MySQL Cluster Manager 9.0.0 (2024-07-02, Innovation Release)



### Important

This release is no longer available for download. It was removed due to a dependency on a version of the server which is also no longer available for download. See [MySQL 9.0.0 Release Notes](#). Please upgrade to MySQL Cluster Manager 9.0.1 instead.

Version 9.0.0. is the latest innovation Release of the MySQL Cluster Manager. It is intended for use with MySQL NDB Cluster 9.0 and 8.4, but also supports the 8.0 series.

Listed below are functionality changes and bug fixes for MySQL Cluster Manager 9.0.0, in comparison to release 8.4.0.

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

## Functionality Added or Changed

- **Client:** Starting with the 9.0.0 innovation release, MySQL Cluster Manager no longer supports MySQL NDB Cluster 7.6, which will continued to be supported by MySQL Cluster Manager 8.4 LTS and 8.0. (Bug #36567056)

## 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:** `mcm` did not issue a deprecation warning when the deprecated `validate_password` plugin was being used for `mysqld` connections. (Bug #36589037)
- **Client:** When `ndb_restore` failed, the error message did not give much information. With this patch, a more informative message is given in the situation. (Bug #36388952)

- **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)
- In the MySQL Cluster Manager installation packages (`.tar`, `.rpm`, `.zip`, and `.msi` files), there was an extra layer of folder on top of the files to be installed. That folder layer has now been removed, in order to keep things simple. (Bug #35982027)