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# MySQL Router 8.3 Release Notes

## Abstract

This document contains release notes for the changes in MySQL Router 8.3.

For additional MySQL Router documentation, see <https://dev.mysql.com/doc/mysql-router/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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## Changes in MySQL Router 8.3.0 (2024-01-16, Innovation Release)

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

### Functionality Added or Changed

- The default value of `--server-ssl-mode` is changed from `AS_CLIENT` to `PREFERRED`. (WL #15966)
- MySQL Router now supports client TLS certificates.

The following configuration options are introduced:

- `server_ssl_key`
- `server_ssl_cert`
- `client_ssl_ca`
- `client_ssl_cpath`
- `client_ssl_crl`
- `client_ssl_crlpath`
- `router_require_enforce`

(WL #14304)

### Bugs Fixed

- If a client sent read-only statements to a destination which was not configured as `super_read_only`, using the Read-Write splitting port, MySQL Router redirected the statement to the primary. The statement did not return the correct result. (Bug #36042078)
- Queries with trailing semi-colons (;) were treated as multi-statements, which is not permitted if MySQL Router is configured for Read-Write Splitting. (Bug #36036725)
- It was not possible to connect to the read-write splitting port with Connector/J. The following error was returned:

```
Unknown character set ''
```

(Bug #35968017)

- If MySQL Router was bootstrapped over an existing configuration, the existing user's credentials were retrieved from the keyring and reused, even if the user used the deprecated authentication plugin, `mysql_native_password`.

As of this release, MySQL Router checks the user's authentication method and, if it is set to `mysql_native_password`, changes it to the Cluster's default if there are no other `user@host` entries for the MySQL Router user. If there is more than one such entry, a warning is returned, advising the user to manually correct the authentication configuration. (Bug #35943415)

- If MySQL Router was bootstrapped against an InnoDB Cluster, without using an existing account or using the `--force-password-verification` parameter, the auto-created metadata user was created using the `mysql_native_password` plugin. This plugin was deprecated in MySQL Server 8.1 and is subject to removal in a future release.

As of this release, the metadata user is created using the default authorization plugin defined on the InnoDB Cluster. (Bug #35737357)

- In the Docker image for MySQL Router 8.2.0, the read-write splitting port, 6450, was not exposed by default. (Bug #112900, Bug #35964936)