

Database support

When you upgrade to OpenLM version 21 and integrate it with OpenLM Identity Service, please keep in mind that you need individual databases for the following.

- OpenLM Server
- Identity Service
- Directory Synchronization Service

We have put tremendous effort into finding the most reliable and performant databases so you can rest assured that you always have access to your data. This is why we recommend the following databases:

- MS SQL Server
- MySQL Server
- Mariadb

You can choose any of the following, but before you get started with the upgrade check the version number of your database and make sure it is compatible with OpenLM.

MS SQL Server:

Versions 2012, 2014, 2016, 2017 and 2019 have been tested and are supported.

Check [here](#) for a list of best practices.

Additionally:

- Set the collation to **case-sensitive (CS)**
- It is recommended to connect using an SQL Server Authenticated user
- Make sure the user is permitted to read, write, and modify the database
(db_owner)

MySQL Server:

For new installations, we recommend using MySQL 8.

1. Use this creation script:

```
CREATE SCHEMA `database_name` DEFAULT CHARACTER SET utf8mb4;  
COLLATE utf8mb4_bin ;
```

2. Run the script on the blank database.

```
SET SQL_SAFE_UPDATES = 0
```

Check [here](#) for a list of best practices.

MariaDB:

MariaDB Server 10.5 (a current stable version that we used for testing). All new versions should be tested separately.