

# DB2W: Steps to connect SSL Database from DBeaver

Follow below steps to connect to the MAS Environment Database.

- Import DB2W certificate (Provided by MAS team) into a truststore jks file using keytool command line.
  - Open your terminal on laptop.
  - Navigate to the folder where you have saved database certificate.
  - Run - **keytool -importcert -alias testdb2w -file db2-ssl.cert -keystore mydb2wstore.jks -trustcacerts**
  - Where:
    - db2-ssl.cert is the file provided by the MAS MS team along with your database details.
    - mydb2wstore.jks is the name of the file where the certificate will be imported to (it will be created if it does not exist). You can choose any name.
    - After you run the above command on your local terminal, keytool will ask for you to create a password. Choose the password / enter it and Make a note of it.
- In DBeaver, create a new connection for DB2 and fill it up as follows:
  - Host - Hostname provided by MAS MS team.
  - Port - 443
  - Database - BLUDB
  - User Name - Provided by MAS MS team.
  - Password - Provided by MAS MS team.

DB2 Connection Settings

Database connection settings.

Trace settings Driver properties SSH Proxy

Database

Host: [Redacted] Port: 443

Database: [Redacted]

Security

User name: [Redacted]

Password: [Redacted]  Save password locally

You can use variables in connection parameters. Connection details (name, type, ...)

Driver name: DB2 LUW Edit Driver Settings

Test Connection ... < Back Next > Cancel Finish

- Click on Driver Properties Tab and ,Include below 3 properties. This is needed to make the SSL connection to the database as follows (use the password used in keytool command line above for sslTrustStorePassword property):
  - sslConnection - true
  - sslTrustStoreLocation - Location of the jks file created in the previous steps. (**mydb2wstore.jks**)
  - sslTrustStorePassword - Password you have enter while creating **mydb2wstore.jks** file in the previous steps.

Connection settings

Database connection settings.



Connection settings

- Initialization
- Shell Commands
- Client identification
- Transactions
- General
- Metadata
- Error handle
- Result Sets
- Editors
  - Data Formatting
  - Presentation
- SQL Editor
  - SQL Processing

Main Trace settings SSH Proxy

Name	Value
connectionTimeout	20
loginTimeout	20
maxStatements	50
progressiveStreaming	2
retrieveMessagesFromServerOnGetMessage	true
sslConnection	true
sslTrustStoreLocation	/Users/...db2wstore.jks
sslTrustStorePassword	*****

Advanced driver properties [Driver documentation](#)

- Test the connection and it should be working.

**NOTE - All the above steps are for the database tool DBeaver, if you are using another tool you will have to determine the similar process/setup for that tool. Above steps are just an example of how to make SSL connection to the database. We don't support troubleshooting database connection setup issue.**