

LAB- Externalizing properties

- 1)) Import 02-externalising-start.jar as a project into anypoint studio.
Open externalization.xml and observe the database select component.

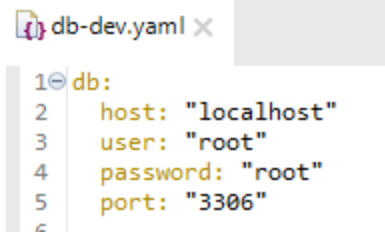
update database connector configuration for mysql as shown below :

The screenshot shows the 'General' tab of a database connector configuration in Anypoint Studio. The 'Required Libraries' section lists 'MySQL JDBC Driver (mysql:mysql-connector-java:8.0.24)' with a green checkmark and a 'Modify...' button. The 'Connection' section contains the following fields:

Field	Value
Host:	<input type="text" value="\${db.host}"/>
Port:	<input type="text" value="\${db.port}"/>
User:	<input type="text" value="\${db.user}"/>
Password:	<input type="password" value="....."/> <input type="checkbox"/> Show password
Database:	<input type="text" value="muletrainingdb"/>

- 3)
Instead of passing multiple environment variables, we can externalize all the properties to a .yaml files.

Create db-dev.yaml as shown below :




```
db-dev.yaml x
1 db:
2   host: "localhost"
3   user: "root"
4   password: "root"
5   port: "3306"
```

Here indentation is very important.. Please copy the same file from the solution project if u face indentation problems

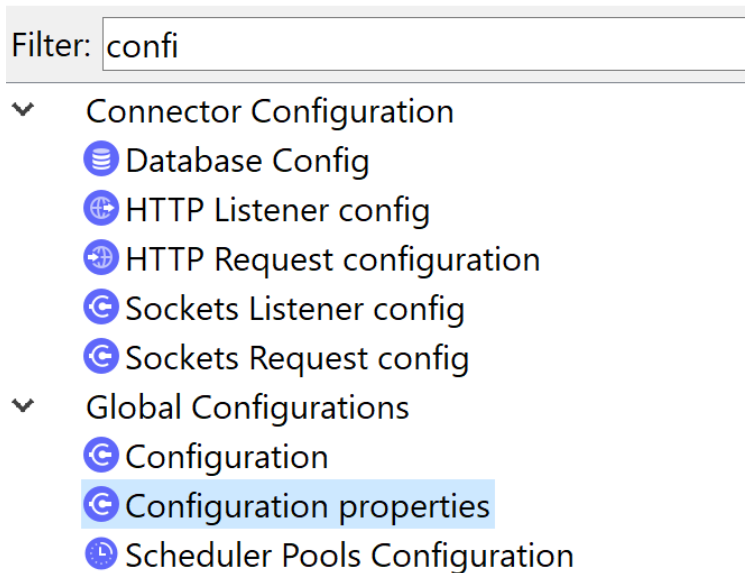
5) similarly create db-prod.yaml with different values

4) Click on "Global Elements" and Click on Create button. Type Property and select "configuration properties" as shown below :

 Choose Global Type

Choose Global Type

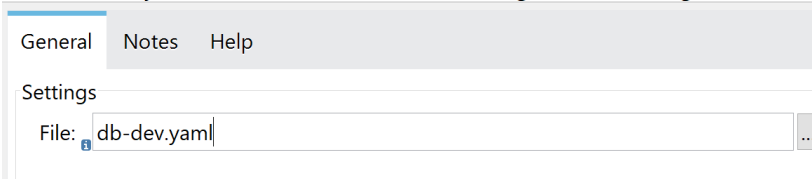
Choose the type of global element to create.



5) Configure Configuration Properties as shown below :

Configuration properties

References a file with configuration properties. Each property has a key and a value. The key can be referenced from the mule configuration files using the



General Notes Help

Settings

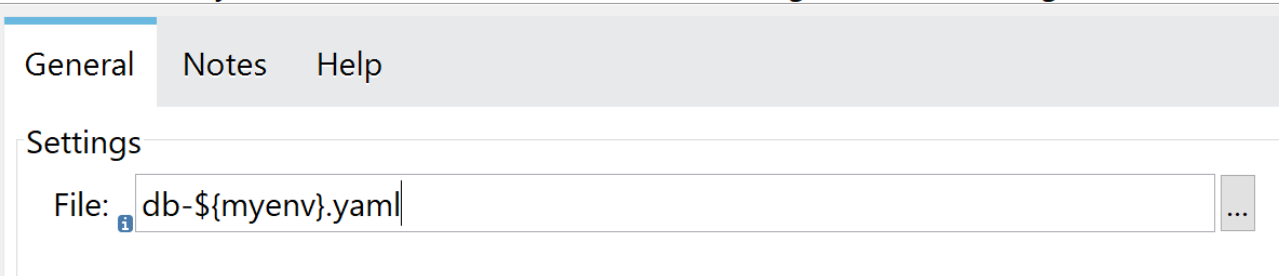
File: db-dev.yaml ...

6) Now deploy the application and test by giving request to `http://localhost:8081/db?brandname=Apple`

7) Now modify the property placeholder as below :

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General Notes Help

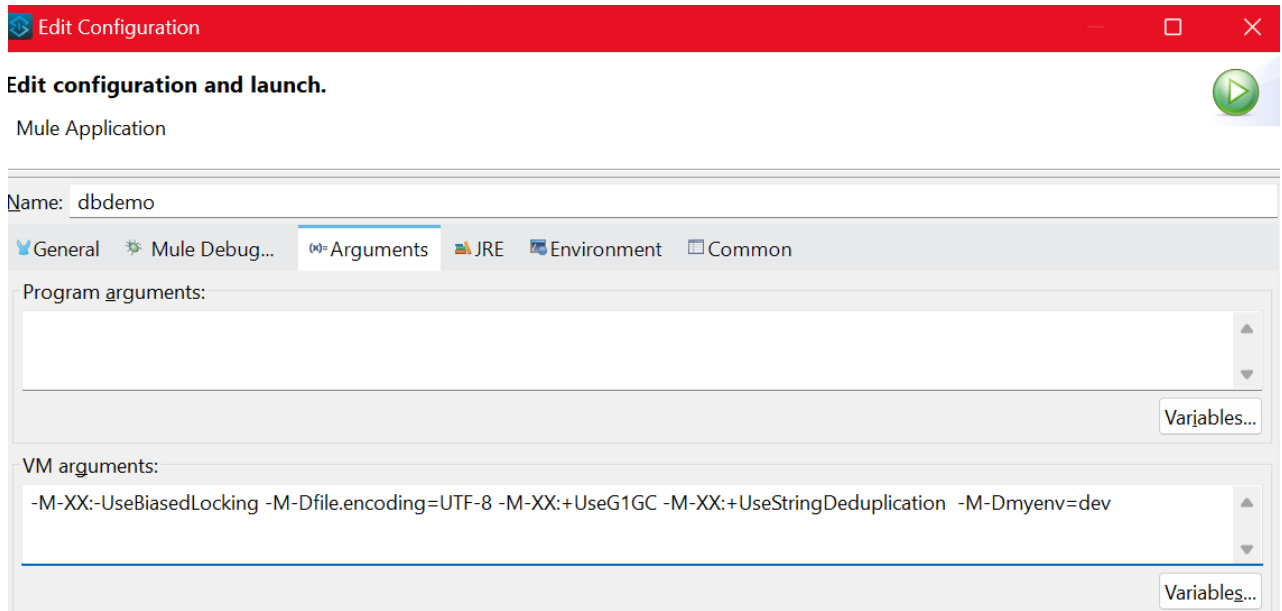
Settings

File: db-\${myenv}.yaml ...

8)

You can pass the value of myenv as Java environment variables while running mule application.

Right click on project -->Run as -> Run Configurations.. and configure as below and run



This is the end of the Exercise