**MySQL Database Deployment Manual**

**NOTE:** It is to be noted that the AWS RDS instance was created using a free tier account.

**AWS RDS**

Click on create new database

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Click on Standard Create and select MySQL database

Graphical user interface, application

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Choose the default version, and select free tier if you don’t want to incur any costs

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Specify an identifier in the DB instance identifier field.

Add a username for the DB instance and also set up a password for it.

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Set the DB instance size and Storage settings to default settings

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Under the Additional Connectivity Configuration Settings, Set Public Access to Yes, and leave the other settings to default settings.

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Finally click create Database

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Give it a few minutes for the newly created instance to be made available. Once the status is set to Available, click the DB identifier.

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Click the VPC group thereafter to modify the inbound and outbound rules.

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Set the inbound rules to the following rules as shown in the figure below:

Graphical user interface, application, Teams

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Set the outbound rules to the following rules as shown in the figure below:

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Go back to the Connectivity & Security tab, and copy the Endpoint details:

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Open MySQL Workbench and Click on the “+” sign link the AWS DB instance.

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Paste the endpoint string into the Hostname Field and enter the username that was provided on AWS thereafter.

Click on Store in Keychain to then enter the password as shown below.

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Enter the Password and click Ok

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Click on Test Connection to test if the connection is valid.

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Finally, click the Ok button

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The instance is now added to the MySQL Workbench

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Finally update the applications.properties file in the backend spring boot application with the DB URL, username and password

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