**Spring Boot Backend Deployment Manual**

Note: This document only provides instructions on how to deploy the spring boot backend using AWS Elastic Beanstalk with a Free Tier account.

**AWS Beanstalk**

Click the Get Started with AWS Elastic Beanstalk button.

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Click on Create a new environment.

Graphical user interface

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Select Web Server Environment.

Graphical user interface, application, Teams

Description automatically generated

Specify an Application name under the application information section

Graphical user interface, text, application, email, Teams

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Set the required Environment Name. A Domain name could be provided if you have one, or else it could be left blank.

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Set the platform to Java and set Platform branch to Corretto 11 (since we use Java 11 in the backend)

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Select ‘Upload your code’ and select ‘Local file’ thereafter

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Run the “ ./gradlew clean bootJar ” command in the project directory of the terminal window.

Graphical user interface, text

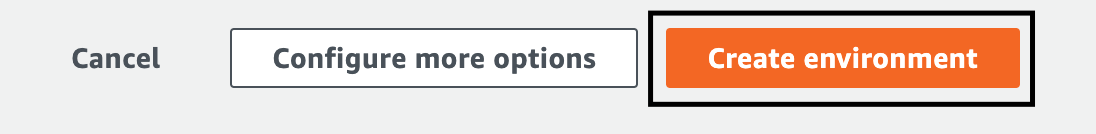
Description automatically generated

Click on Choose file and locate the userprojectservicebackend-\*.jar file thereafter in the userprojectservice-backend/build/libs/directory

Graphical user interface, application

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Finally, click on create environment



Give it a few minutes for it to complete the health check. Once it has completed the health check, you will be presented with this screen. This indicates that the new application has been deployed to the EC2 instances successfully.

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For subsequent deployments, Run the “ ./gradlew clean bootJar ” command in the project directory of the terminal window and upload the userprojectservicebackend-\*.jar file thereafter, as shown in the figures below.

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Graphical user interface, text, application

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