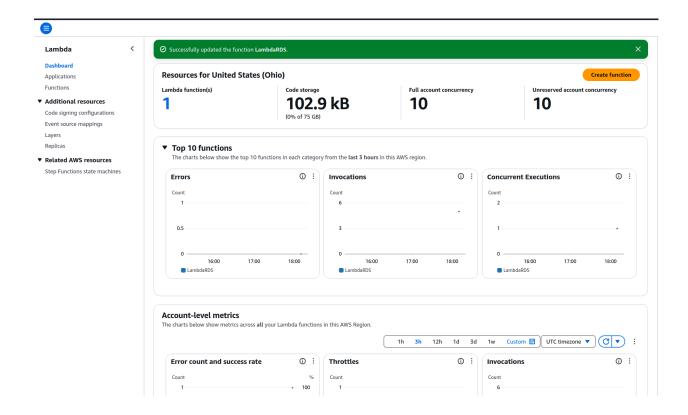
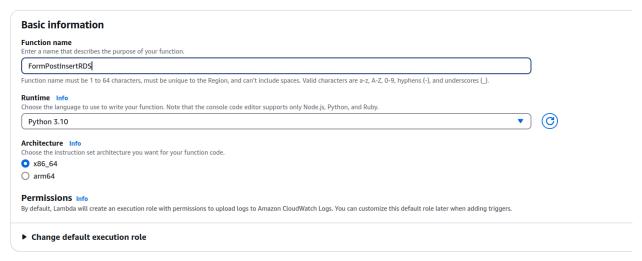
Create Lambda Function

Go to dashboard and create the function



Name your function something descriptive. We'll be using Python 3.10 (because I said so)

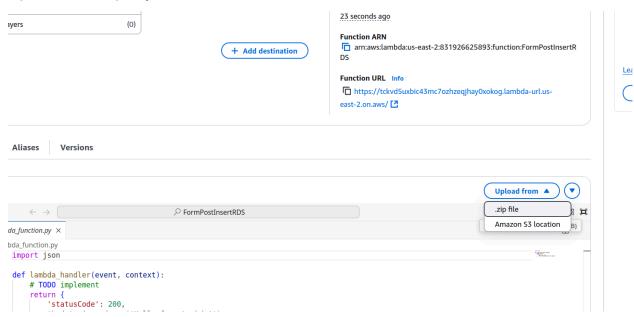


For additional configurations, enable function url for the function to get a public url. Disable authentication for it.



Create the function

Upload the zip layer attached

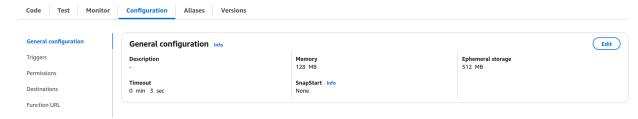


Changing configurations

We need to change several configurations to make it work with our database

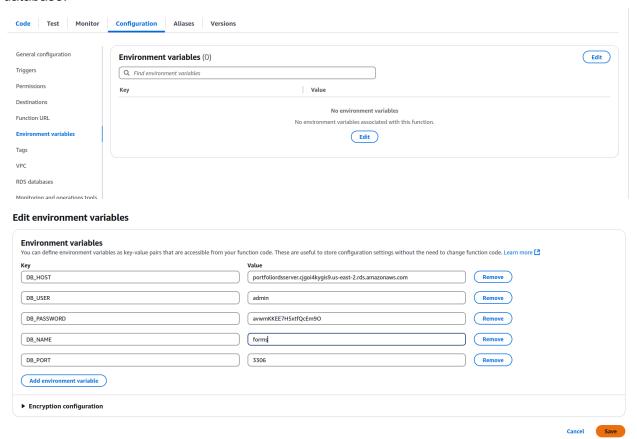
Timeout

Change the timeout to 30 seconds, so that the function has time to make a connection



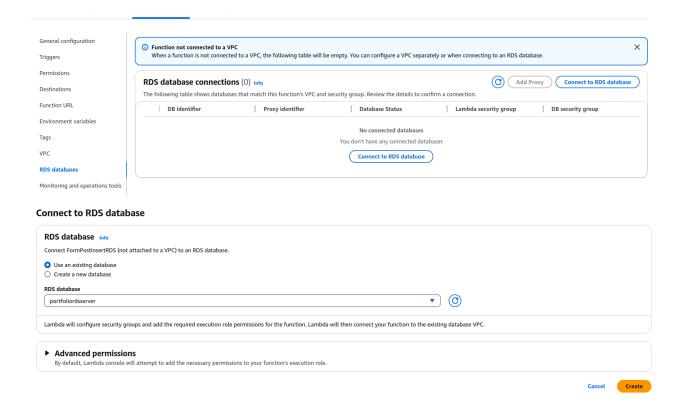
Environment Variables

This is the same as your .env file that you created. This will store the credentials to access the database.



RDS Database Network Connection

We need to connect the database and the function with a network connection.

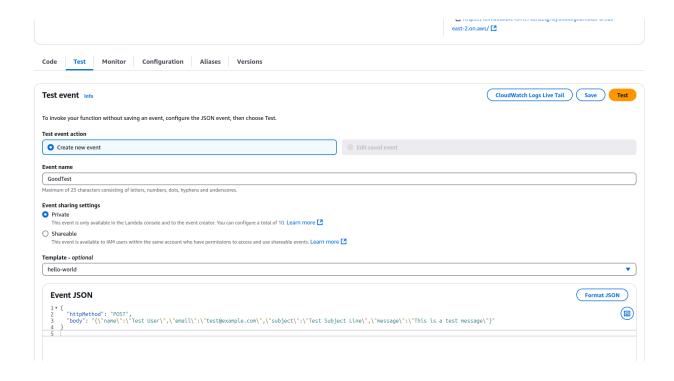


Add some test events

```
Create a successful test

{
    "httpMethod": "POST",
    "body": "{\"name\":\"Test User\",\"email\":\"test@example.com\",\"subject\":\"Test Subject
Line\",\"message\":\"This is a test message\"}"
}
```

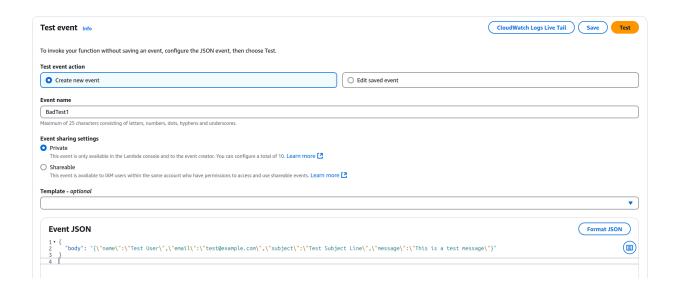
Put in JSON and then save



Create some bad tests

{
 "body": "{\"name\":\"Test User\",\"email\":\"test@example.com\",\"message\":\"This is a test
 message\"}"
}

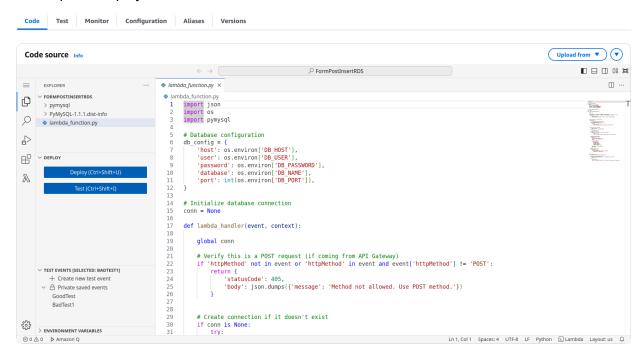
Put in JSON and then save



Run your function

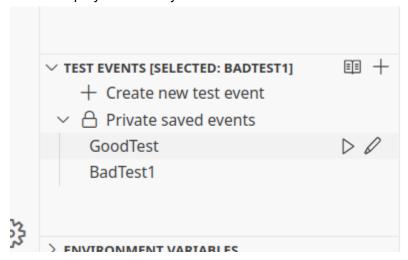
Deploy your code.

The function is not updated until you deploy your code to it. **Press ctrl+s on the py file to save** it, then press deploy



Run the tests

Press the play button on your saved tests



You should get outputs like this

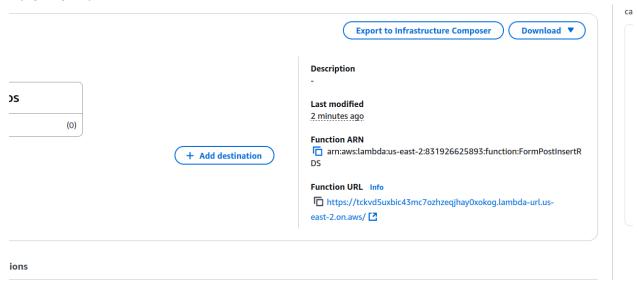
```
PROBLEMS OUTPUT CODE REFERENCE LOG TERMINAL
                                                                                                     Execution Results
                                                                                                                     Status: Succeeded
Test Event Name: GoodTest
Response:
 "statusCode": 200,
 "body": "{\"message\": \"Form data submitted successfully\", \"submissionId\": 4}"

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PROBLEMS OUTPUT CODE REFERENCE LOG TERMINAL
                                                                                                     Execution Results
Status: Succeeded
Test Event Name: BadTest1
Response:
  "statusCode": 405,
 "body": "{\"message\": \"Method not allowed. Use POST method.\"}"
Function Logs:
```

Try the public link

Try going to your public url now to test it



Because we're using a get request, it won't work.



Now add it to your website.