AWS Lab on Lambda Functions (Building Server less web applications)

Python Server less Microframework for AWS

The python server less microframework for AWS allows you to quickly create and deploy applications that use Amazon API Gateway and AWS Lambda. It provides:

- A command line tool for creating, deploying, and managing your app
- A familiar and easy to use API for declaring views in python code
- Automatic IAM policy generation

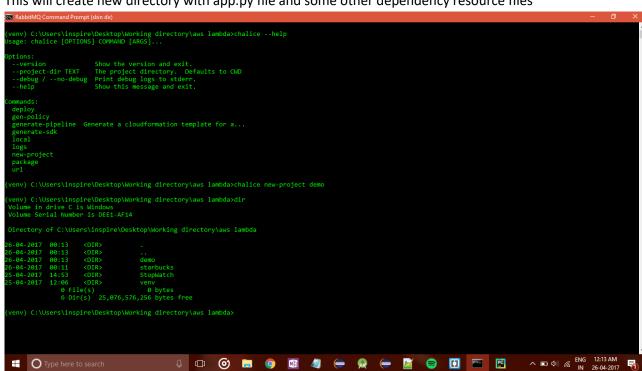
Installing Chalice → pip install chalice

Steps to deploy a simple application with custom Response and hello world

Create a directory for chalice and make a virtual environment for python and run chalice inside it.

 Create new project chalice new-project 'name '

This will create new directory with app.py file and some other dependency resource files



You can type chalice -help to get list of available commands

Creating new project with chalice

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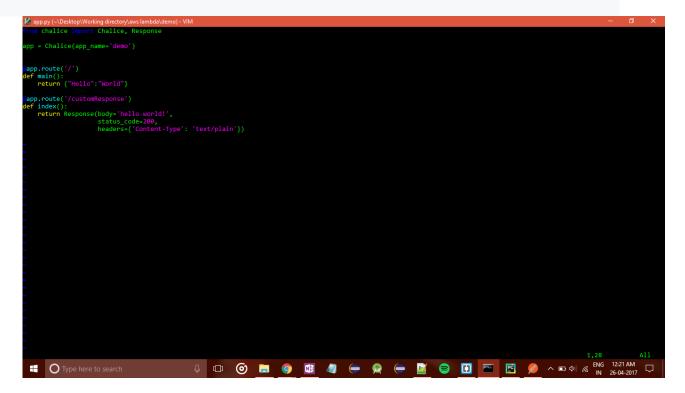
2. Writing app.py

By default, app.py will look something like this.

We are going to write a route that returns custom response as follows:

```
body='hello world!',
status_code=200,
headers={'Content-Type': 'text/plain'})
```

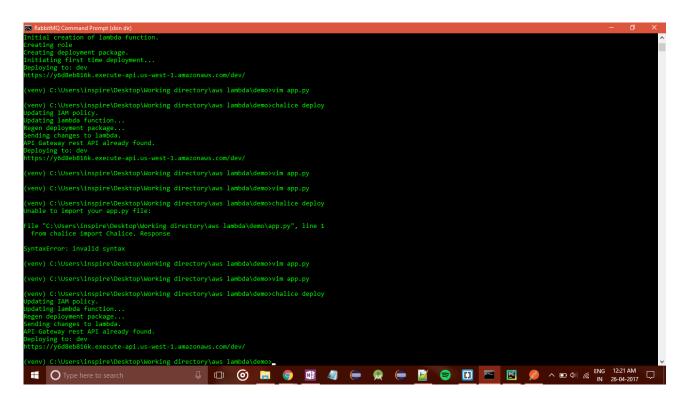
Here is a app.py file with route which will return custom response as specified.



3. Deploy

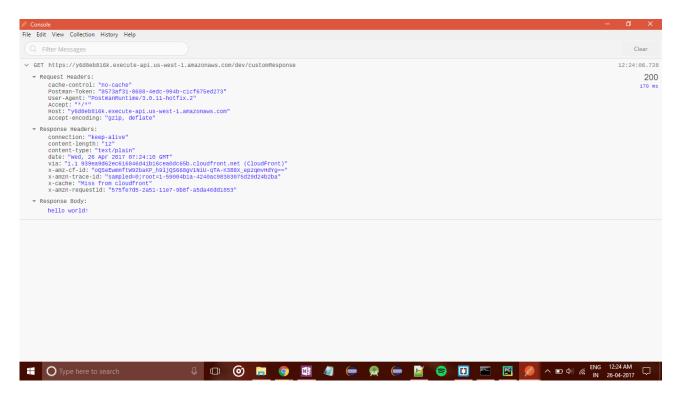
Run chalice deploy

This will package your application and respective dependencies and deploy it by using lambda and API gateway.



Final Output

Hello World



Customized http response.

- Specify the status code to return
- Specify custom headers to add to the response
- Specify response bodies that are not application/json

