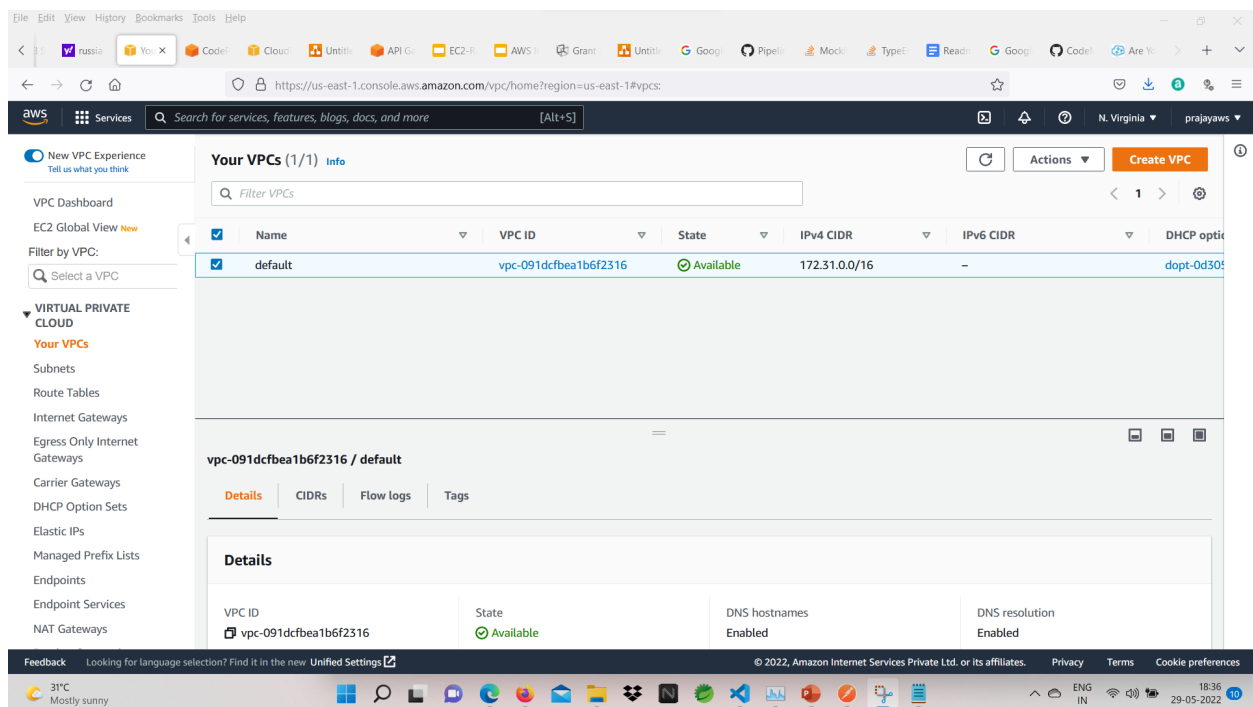


## EC2-Report-Deployment Steps

Following steps need to be followed for setting up the pipeline. We have used python3.9

1. Please setup aws cli and perform aws configure.
2. Install npm
3. `npm install -g aws-cdk@2.25.0`
4. `cdk bootstrap aws://{account_no}/{region} --trust {account_no} --cloudformation-execution-policies arn:aws:iam::aws:policy/AdministratorAccess`
5. `SET CDK_DEFAULT_ACCOUNT={account_no}`
6. `SET CDK_DEFAULT_REGION={region}`
7. `git clone https://github.com/CodeMaster001/aws-ec2-apigw.git`
8. If you need to setup the vpc generally it's not recommended to use AWS default vpc because it does not allow many features such as vpc\_flow\_logs and neither it provides proper NACL facility. If so, please refer to VPC deployment steps.
9. `cd aws-ec2-apigw/ec2_report`
10. `pip install -r.txt`

### 11. Go to AWS Console VPC section

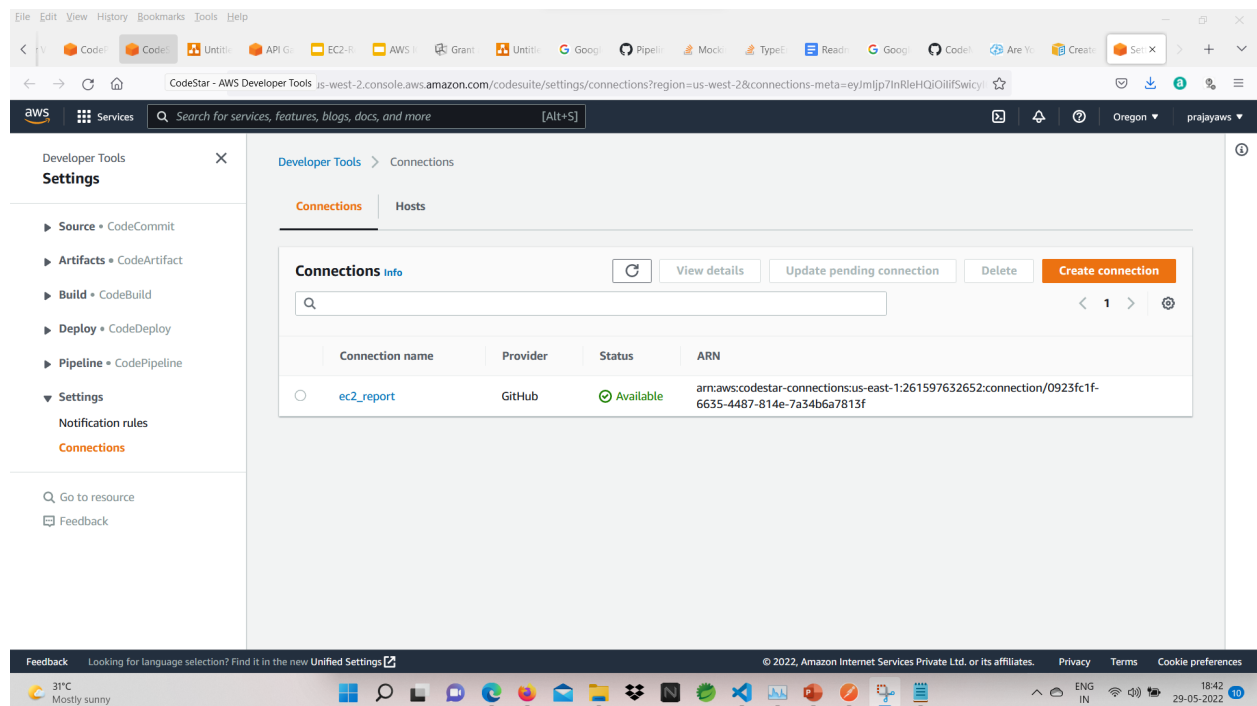


Copy the vpc id and set the 'vpc-id' key in cdk.context.json

### 12. Setup Codestar and connect it to the github repo aws-test. Please follow steps listed here

<https://docs.aws.amazon.com/dtconsole/latest/userguide/connections-create-github.html>

13. Please copy the Codestar ARN as provided below and set it to 'codestar\_connection' key in cdk.context.json.



14. Please setup api-key in cdk.context.json. Should be at least more than 20 characters. However if you prefer that API key should be randomly generated by AWS you can do so by not setting this key. If you don't set up it aws will randomly assign a API key for you.

15. `pytest -v .test\`

15. `cdk deploy`

16. Pipeline should automatically provide you cloudformation templates. Make sure you approve the API gateway deployment.

17. Go to cloudformation template and choose the copy the apiURL in postman

The screenshot shows the AWS CloudFormation console interface. The left sidebar contains navigation options: CloudFormation, Stacks, Stack details, Drifts, StackSets, Exports, Designer, Registry, Public extensions, Activated extensions, Publisher, and Feedback. The main content area displays the 'APIPipeLine-APILambdaStage' stack. The 'Outputs' tab is selected, showing a table with two outputs: 'ApiGWEndpointBE5359D4' and 'apiURL'. The 'apiURL' output is highlighted, showing its value as 'https://s3v3j3k3.execute-api.us-east-1.amazonaws.com/test/fetch\_report'.

Key	Value	Description	Export name
ApiGWEndpointBE5359D4	https://s3v3j3k3.execute-api.us-east-1.amazonaws.com/prod/	-	-
apiURL	https://s3v3j3k3.execute-api.us-east-1.amazonaws.com/test/fetch_report	-	-

18. set x-api-key and Content-type

Postman

File Edit View Help

Home Workspaces API Network Reports Explore

Search Postman

My Workspace

Overview [CONFLICT] GET jht GET https://m21tb43k POST https://wuwoj springboot [CONFLICT] POST LI No Environment

Save

https://wuwoj1m0fi.execute-api-us-east-1.amazonaws.com/test/fetch\_report

POST https://Srvn3jik3.execute-api-us-east-1.amazonaws.com/test/fetch\_report

Send

Params Authorization Headers (9) Body Pre-request Script Tests Settings

Headers 7 hidden

KEY	VALUE	DESCRIPTION	Bulk Edit	Presets
Content-Type	application/json			
x-api-key	1234567891012345678910			
Key	Value	Description		

Body Cookies Headers (11) Test Results

Status: 200 OK Time: 2.25 s Size: 526 B Save Response

Pretty Raw Preview Visualize JSON

```

1 1-05e5d2f235e57db05,running,us-east-1
2

```

Find and Replace Console

31°C Mostly sunny

## 19. You can also provide custom regions:

Postman

File Edit View Help

Home Workspaces API Network Reports Explore

Search Postman

My Workspace

Overview [CONFLICT] GET jht GET https://m21tb43k POST https://wuwoj springboot [CONFLICT] POST LI No Environment

Save

https://wuwoj1m0fi.execute-api-us-east-1.amazonaws.com/test/fetch\_report

POST https://Srvn3jik3.execute-api-us-east-1.amazonaws.com/test/fetch\_report

Send

Params Authorization Headers (10) Body Pre-request Script Tests Settings

none form-data x-www-form-urlencoded raw binary GraphQL JSON

Beautify

```

1 {
2   ... "regions": ["us-east-1"]
3 }
4

```

Body Cookies Headers (11) Test Results

Status: 200 OK Time: 1724 ms Size: 526 B Save Response

Pretty Raw Preview Visualize JSON

```

1 1-05e5d2f235e57db05,running,us-east-1
2

```

Find and Replace Console

31°C Mostly sunny

## **2.VPC Deployment Steps:**

Please follow the steps provided above from 1 to 8.

- 1.cd vpc\_deployment
- 2.pip install -r requirements.txt
- 3.cdk deploy