AWS API Gatewayeane Cognito

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API Gateway

- Service for creating, publishing, maintaining, monitoring, and securing REST and WebSocket APIs at any scale. Assignment Project Exam Help
- API Gateway handles all the tasks involved in accepting and https://powcoder.com/processing up to hundreds of thousands of concurrent API calls, including traffic management, CORS support, authorization and access control, throttling, monitoring, and API version management.
- Create APIs that adhere to REST protocol. Allows methods such as GET, PUT, POST, DELETE, ANY on the resources.

Steps to set up API Gateway

- 1. Go to the API Gateway service on console.
- 2. Create API -> **Aresighment Trojecte Xam Fletp** the API name. Keep endpoint as region. Click on Create API.
- 3. Go to Actions, and dreates allowed on the new resource.
- 4. Deploy and test the Ardd We Chat powcoder
- 5. Detailed steps can be found here link

<u>Demo</u>

Let's create a service which accepts GET and POST requests.

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- In the POST request, we send a JSON request payload as following,
 - {"username": "John"https://powcoder.com
- The output of this REST POST cellwill be "Hello John."
- Note that if we make a GET request instead, we redirect to Google.com and the response body will be the html content of https://www.google.com

See in Action!

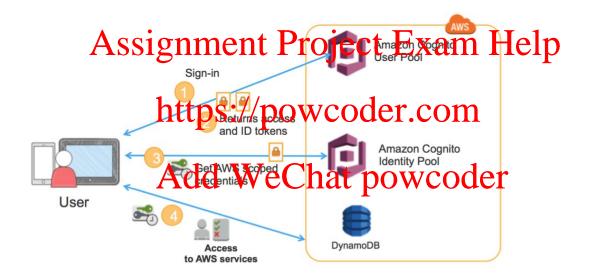
- Can be tested using a frontend, or a client such as Postman, or through cURL commarassignment Project Exam Help
- On Unix based machittes://potweterleinaterl type in the following,
 curl -X POST 'https://{api-id}.execute-api.{region}.amazonaws.com/test/helloworld' -d '{
 - curl -X POST 'https://{api-id}.execute-api.{region}.amazonaws.com/test/helloworld' -d '{ "name": "John" }'
 - "name": "John" }'

 ["statusCode".20d,dowy.eChat.powcoder."}
 - curl -X GET 'https://{api-id}.execute-api.{region}.amazonaws.com/Test/welcome
 - "statusCode": 200, "body": "\"Welcome to AWS!\""}

Cognito

- Amazon Cognito provides authentication, authorization, and user management Assignment Profile and Pr
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Cognito



<u>Demo</u>

Sign in into our app using Google + - Authentication

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• Once authenticated, fetch the id-token from the response. Authorize your app user to achttps://powcoden.complication service using the temporary credentials as follows -

Add WeChat powcoder

```
function signinCallback (authResult) {
 if (authResult['status']['signed in']) {
    // Add the Google access token to the Amazon Cognito credentials login
map.
    AWS.config.credentials = new AWS.CognitoIdentityCredentials( {
       Logins: { Assignment Project Exam Help
          'accounts.google.com': authResult['id token']
                      https://powcoder.com
    });
    // Obtain AWS credeAdds WeChat powcoder
    AWS.config.credentials.get(function(){
       // Access AWS resources here.
    });
```