

API Gateway REST API Setup – Documentation

1. Introduction

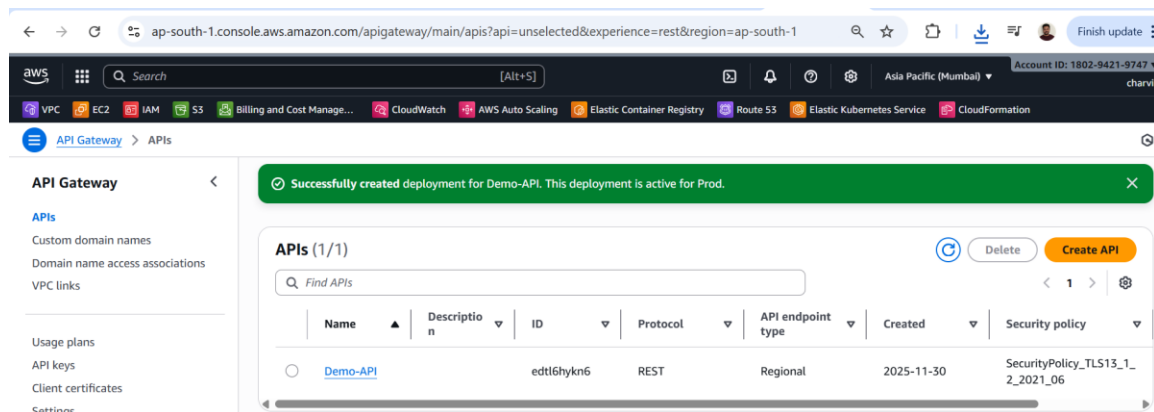
This document provides the step-by-step procedure for creating a REST API using Amazon API Gateway.

2. API Creation Steps

Follow the below steps to create the API and test it successfully.

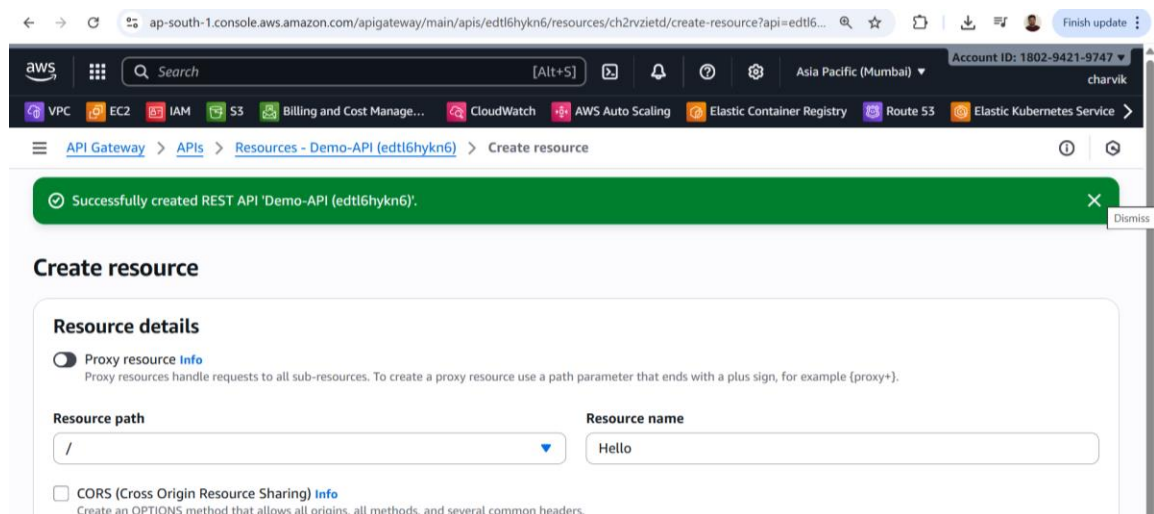
Step 1: Open API Gateway

Navigate to AWS Console → API Gateway → Create API.



Step 2: Create REST API

Choose REST API → Build → Name: Demo-API → Create API.

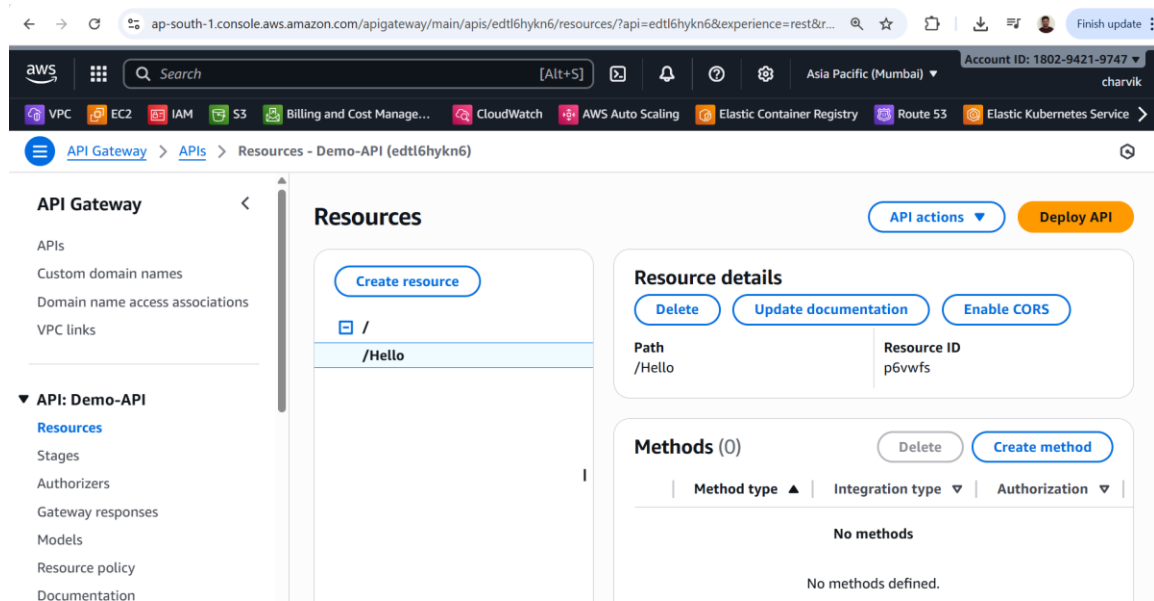


Step 3: Create Resource

Click Resources → Actions → Create Resource.

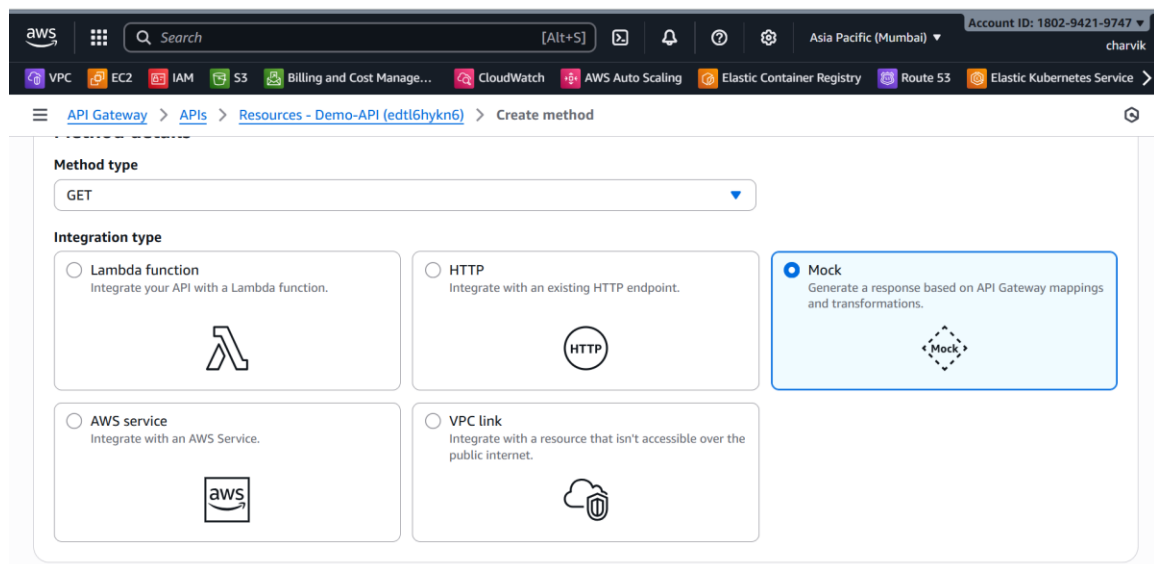
Resource Path: /hello

Resource Name: hello



Step 4: Create GET Method

Under /hello → Actions → Create Method → Choose GET → Integration type: Mock.



Step 5: Configure Mock Integration Response

Set response body:

```
{
  "message": "API working successfully!"
}
```

The screenshot shows the AWS API Gateway console interface. The breadcrumb navigation is: API Gateway > APIs > Resources - Demo-API (edtl6hykn6) > Edit integration response. The main configuration area includes:

- Method response status code:** A text input field containing '200'.
- Content handling:** A dropdown menu set to 'Passthrough'.
- Header mappings:** A section stating 'No headers for this status code'.
- Mapping templates:**
 - Content type:** A text input field containing 'application/json'.
 - Generate template:** A dropdown menu.
 - Remove:** A button to remove the template.
 - Template body:** A text area containing the JSON:

```
{
  "message": "API working successfully!"
}
```

Step 6: Deploy the API

Actions → Deploy API → New Stage: prod.

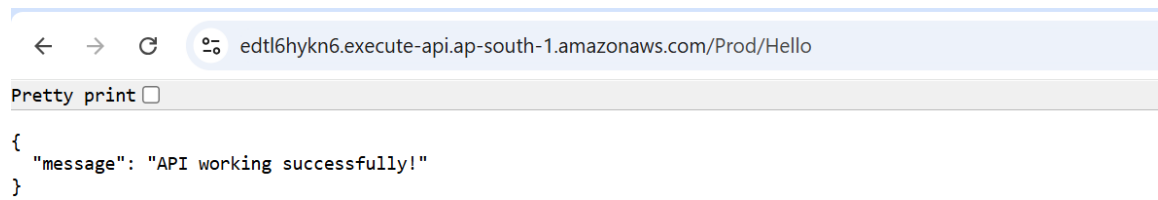
The screenshot shows the AWS API Gateway console interface. The breadcrumb navigation is: API Gateway > APIs > Demo-API (edtl6hykn6) > Stages. A green notification banner at the top states: 'Successfully created deployment for Demo-API. This deployment is active for Prod.' The main configuration area includes:

- Stages:** A list of stages with 'Prod' selected.
- Stage details:**
 - Stage name:** 'Prod'.
 - Cache cluster:** 'Inactive'.
 - Default method-level caching:** 'Inactive'.
 - Rate:** '10000'.
 - Burst:** '5000'.
 - Web ACL:** '-'.
 - Client certificate:** '-'.
 - Invoke URL:** <https://edtl6hykn6.execute-api.ap-south-1.amazonaws.com/Prod>.
 - Active deployment:** 'xrt8c on November 30, 2025, 08:57 (UTC+05:30)'.

Step 7: Test Invoke URL

Open browser and test:

<https://<api-id>.execute-api.<region>.amazonaws.com/prod/Hello>



Your API is now successfully created and returning the expected JSON response.