AWS API GATEWAY:

Login to AWS Console

- Go to https://aws.amazon.com/console/ and sign in.

2 Open Amazon API Gateway

- Search for **API Gateway** in the AWS Console and open it.

3 Click “Create API”

4 Choose API Type

- Select the API type you need:
  - **HTTP API** (simpler, low-cost).
  - **REST API** (more features like usage plans, API keys).
  - **WebSocket API** (real-time communication).

5 Configure API Details

- **API Name:** Enter a name.
- **Description:** Optional.
- **Endpoint Type:** (for REST API):
  - **Regional** (default).
  - **Edge-optimized** (global clients).
  - **Private** (inside your VPC).

6 Create Routes or Resources

- For **HTTP APIs**:
    - Define routes like /users, /orders.
    - Assign HTTP methods (GET, POST, etc.).
- For **REST APIs**:
    - Define resources and methods.

7 Set Integration Target

- Link your API to a backend:
    - **AWS Lambda function**
    - **HTTP endpoint**
    - **AWS service (like SQS, SNS, etc.)**

8 Configure Authorization (Optional)

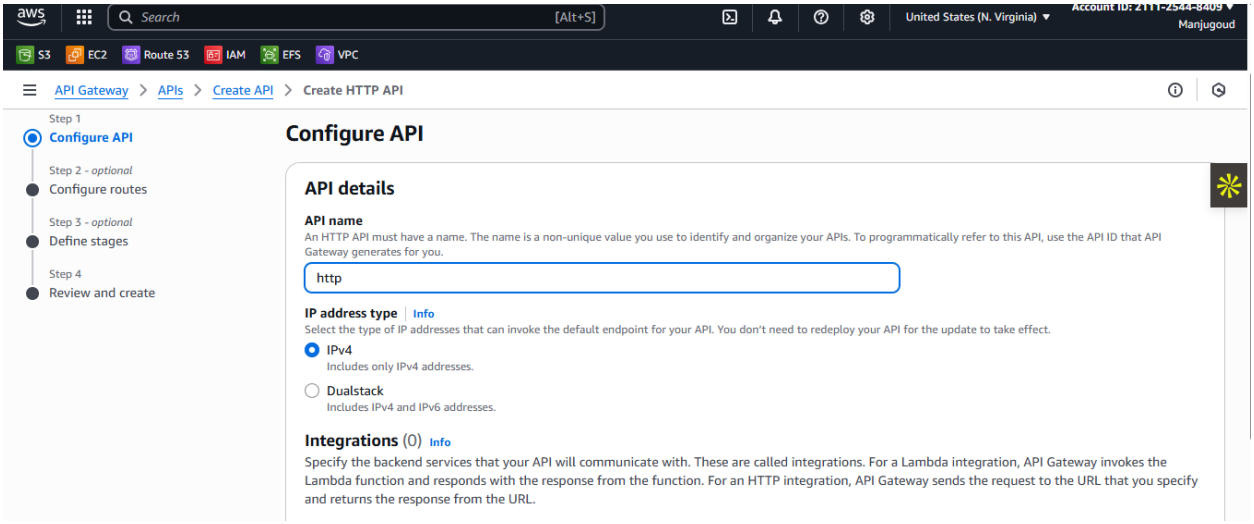
- You can protect your API using:
    - **IAM roles**
    - **Cognito user pools**
    - **Lambda authorizers**

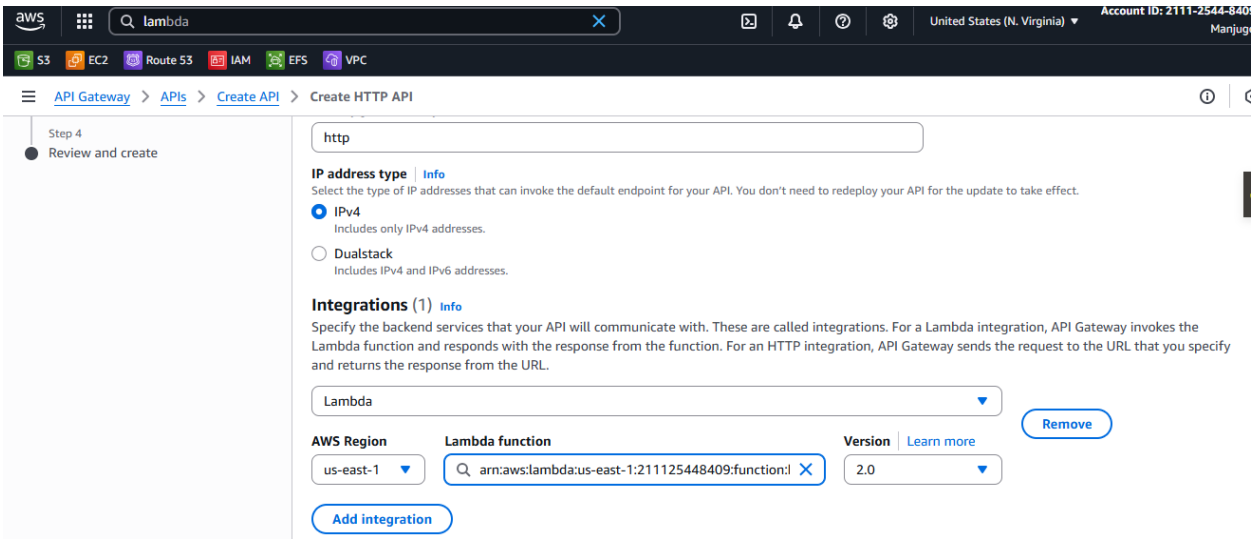
9 Deploy the API

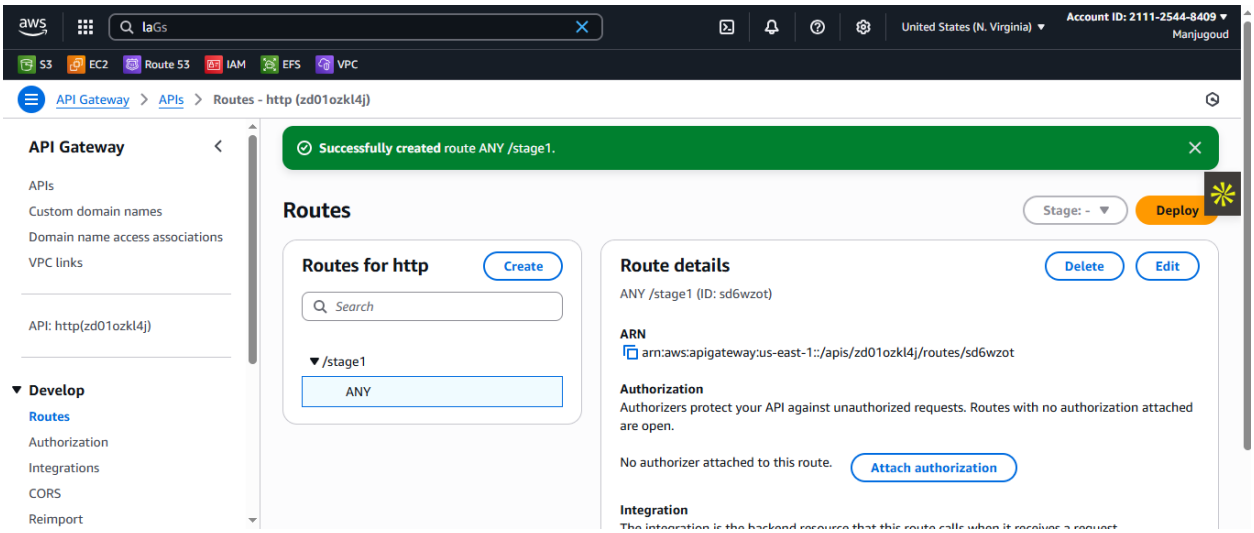
- **Create a stage** (e.g., dev, test, prod).
- Deploy your API to the selected stage.
- This generates a **public invoke URL** for your API.

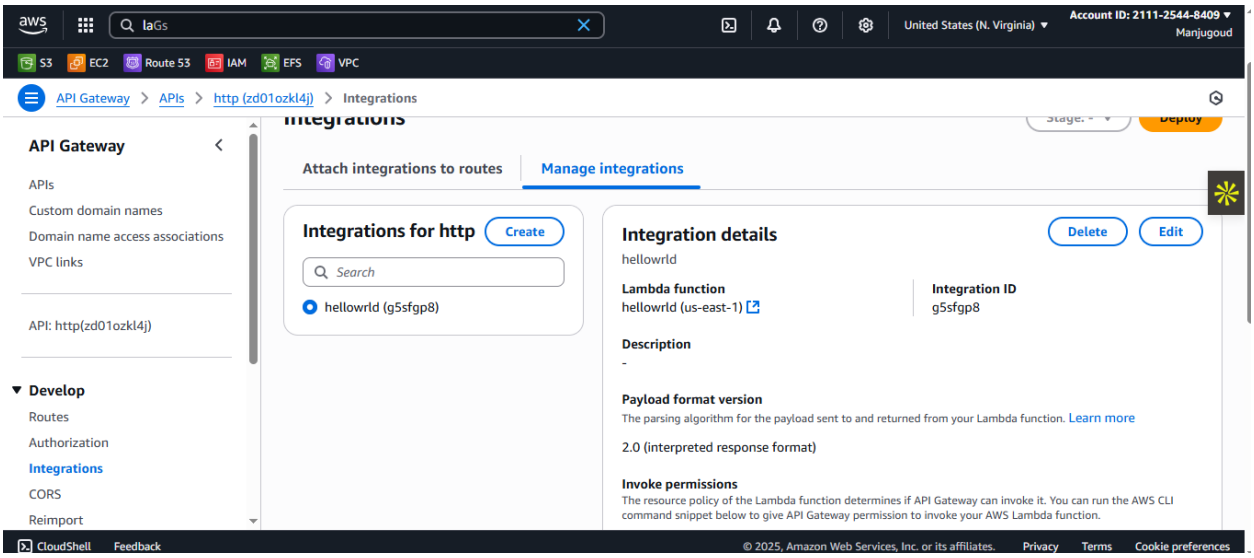
10 Test the API

- Use **Postman**, **browser**, or **CLI** to send HTTP requests and validate responses using your API's endpoint URL.






aws
laGs
United States (N. Virginia)
Account ID: 2111-2544-8409
Manjugoud
S3 EC2 Route 53 IAM EFS VPC
API Gateway > APIs > Routes - http (zd01ozkl4j)
API Gateway
APIs
Custom domain names
Domain name access associations
VPC links
API: http(zd01ozkl4j)
Develop
Routes
Authorization
Integrations
CORS
Reimport
Successfully created route ANY /stage1.
Routes
Stage: -
Deploy
Routes for http
Create
Search
/stage1
ANY
Route details
Delete
Edit
ANY /stage1 (ID: sd6wzot)
ARN
arn:aws:apigateway:us-east-1::/apis/zd01ozkl4j/routes/sd6wzot
Authorization
Authorizers protect your API against unauthorized requests. Routes with no authorization attached are open.
No authorizer attached to this route.
Attach authorization
Integration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API Gateway > APIs > http (zd01ozkl4j) > Integrations
API Gateway
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Custom domain names
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API: http(zd01ozkl4j)
Develop
Routes
Authorization
Integrations
CORS
Reimport
Attach integrations to routes
Manage integrations
Integrations for http
Create
Search
hellowrld (g5sfgp8)
Integration details
Delete
Edit
hellowrld
Lambda function
hellowrld (us-east-1)
Integration ID
g5sfgp8
Description
-
Payload format version
The parsing algorithm for the payload sent to and returned from your Lambda function. Learn more
2.0 (interpreted response format)
Invoke permissions
The resource policy of the Lambda function determines if API Gateway can invoke it. You can run the AWS CLI command snippet below to give API Gateway permission to invoke your AWS Lambda function.
CloudShell
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