

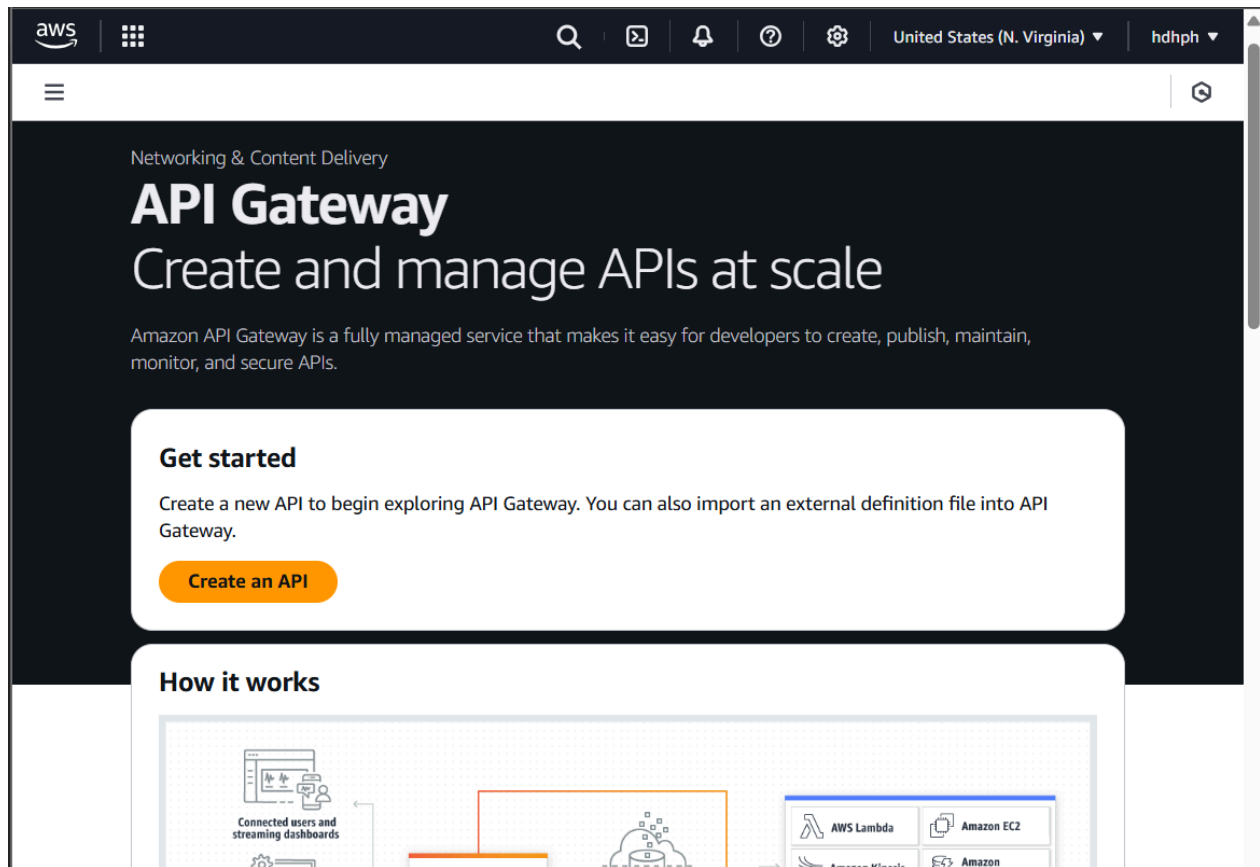


## Practical 7(a)

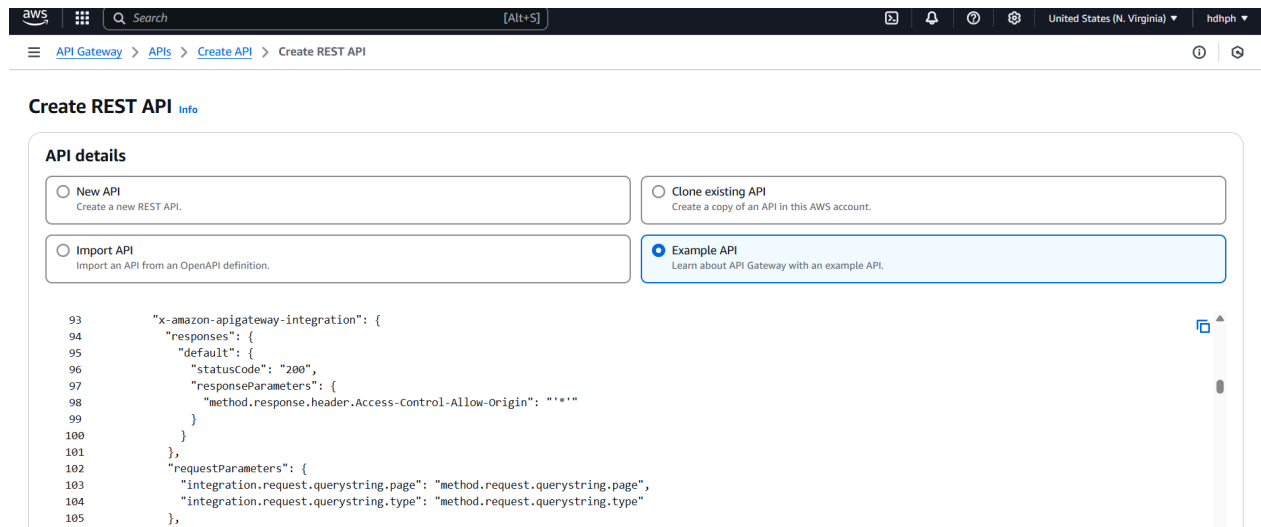
**(Create a REST API by importing an example - Amazon API Gateway)**

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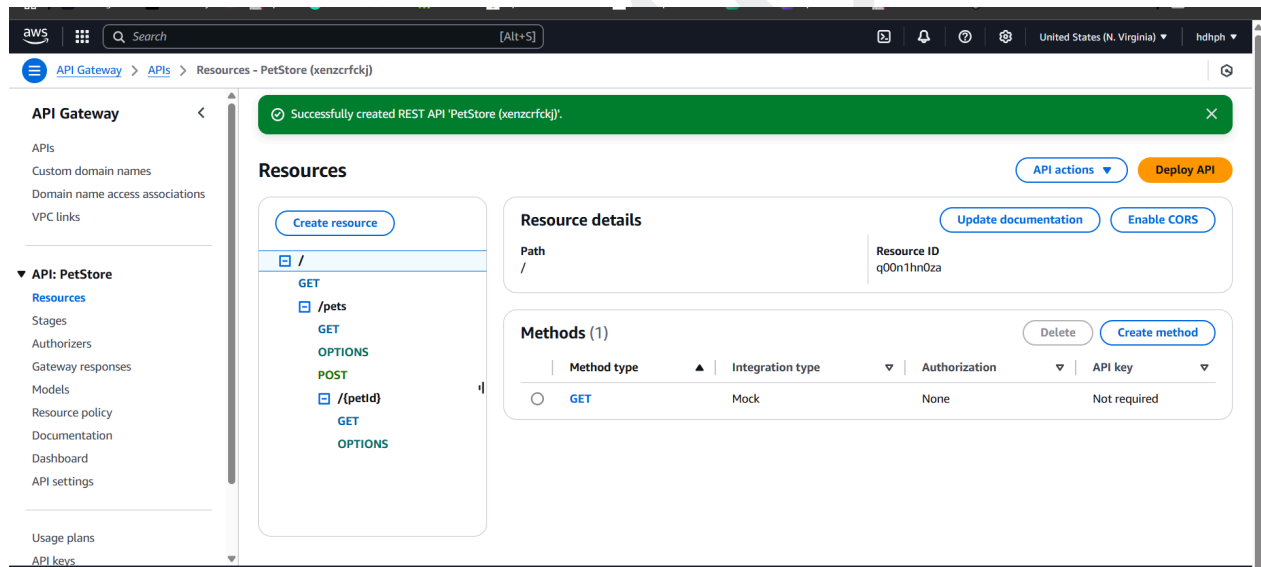
## Step 1 : Sign in to the API Gateway console



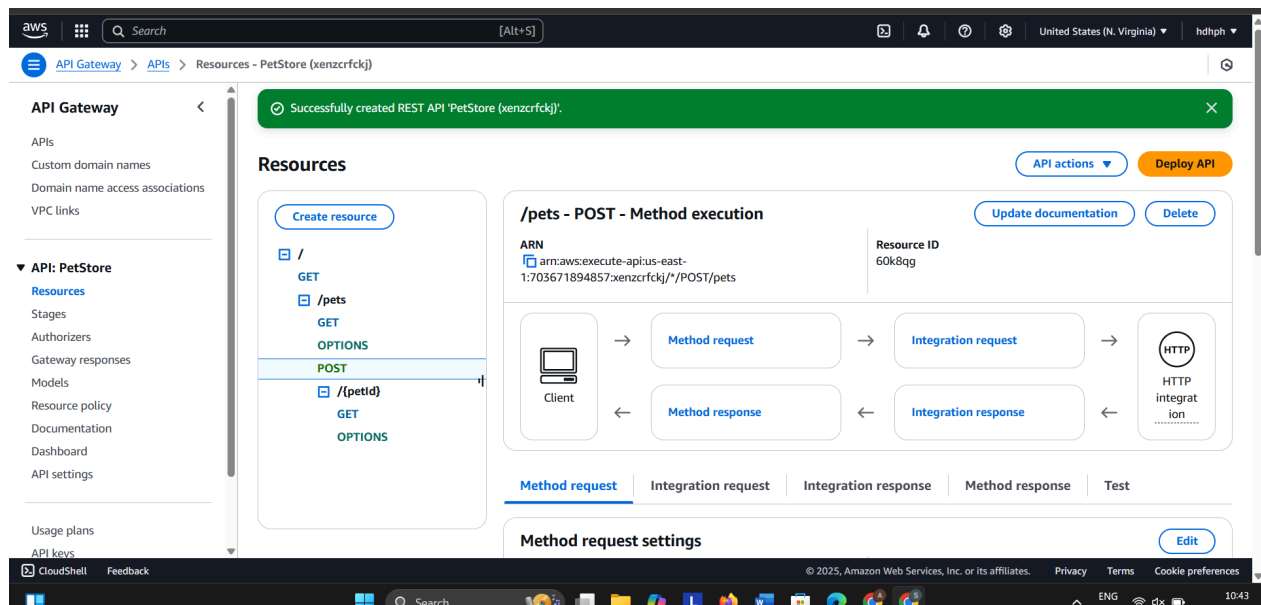
**Step 2 : REST API, choose Build , Under Create REST API, choose Example API and then choose Create API to create the example API.**



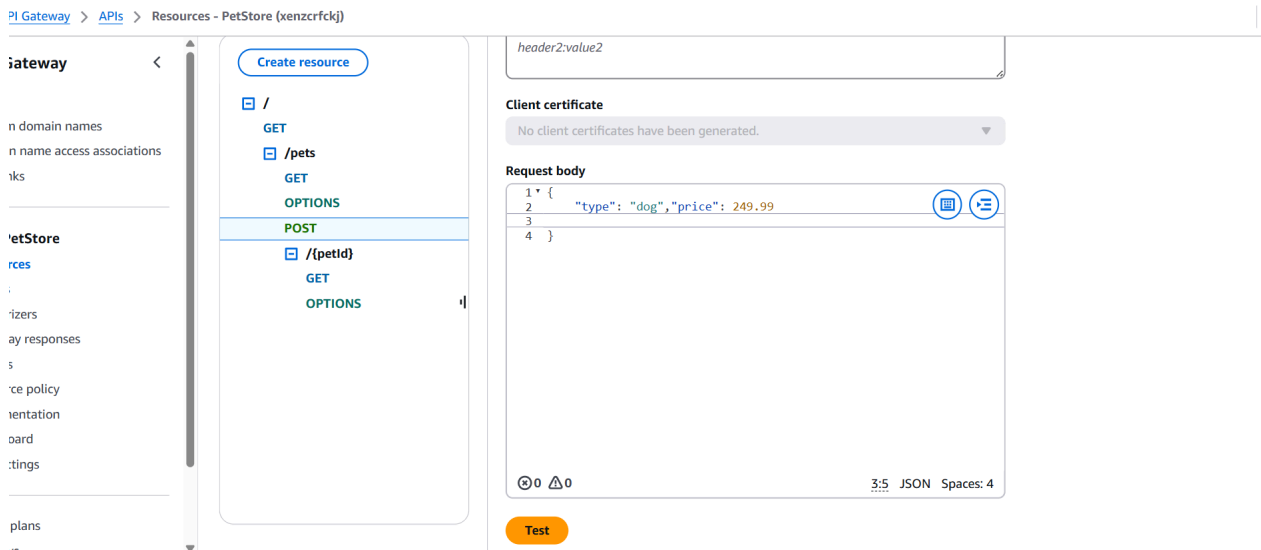
**Step 3 :** In the main navigation pane, choose **Resources**.



**Step 4 :** choose the **POST /pets** method as an illustration.



**Step 5 : Select the Test tab and Enter this `{"type": "dog", "price": 249.99}`**



## Step 6 : choose Test and the result is shown below .

The first screenshot shows the 'Test' tab for the `/pets` endpoint. The 'POST' method is selected. The 'Test results' section displays the following information:

Request	Latency ms	Status
<code>/pets</code>	6	200

The 'Response body' is shown as a JSON object:

```
{
  "pet": {
    "type": "dog",
    "price": 249.99
  },
  "message": "success"
}
```

The 'Response headers' are:

```
{
  "Access-Control-Allow-Origin": "*",
  "Content-Type": "application/json",
  "X-Amzn-Trace-Id": "Root=1-67e23c84-650e092206bfb6b7ff8934e9"
}
```

The 'Logs' section shows the execution log for the request:

```
Execution log for request c17a555e-d25c-417a-829b-509799c9a389
Tue Mar 25 05:17:56 UTC 2025 : Starting execution for request: c17a555e-d25c-417a-829b-509799c9a389
Tue Mar 25 05:17:56 UTC 2025 : HTTP Method: POST, Resource Path: /pets
Tue Mar 25 05:17:56 UTC 2025 : Method request path: {}
```

The second screenshot shows the 'Test results' section with a detailed log of the request and response:

```
Tue Mar 25 05:17:56 UTC 2025 : Method request query string: {}
Tue Mar 25 05:17:56 UTC 2025 : Method request headers: {}
Tue Mar 25 05:17:56 UTC 2025 : Method request body before transformations: {
  "type": "dog", "price": 249.99
}
Tue Mar 25 05:17:56 UTC 2025 : Endpoint request URI: http://petstore.execute-api.us-east-1.amazonaws.com/petstore/pets
Tue Mar 25 05:17:56 UTC 2025 : Endpoint request headers: {x-amzn-apigateway-api-id=xenzcrfckj,
Accept=application/json, User-Agent=AmazonAPIGateway_xenzcrfckj, X-Amzn-Trace-Id=Root=1-67e23c84-650e092206bfb6b7ff8934e9, Content-Type=application/json}
Tue Mar 25 05:17:56 UTC 2025 : Endpoint request body after transformations: {
  "type": "dog", "price": 249.99
}
Tue Mar 25 05:17:56 UTC 2025 : Sending request to http://petstore.execute-api.us-east-1.amazonaws.com/petstore/pets
Tue Mar 25 05:17:56 UTC 2025 : Received response. Status: 200, Integration latency: 3 ms
Tue Mar 25 05:17:56 UTC 2025 : Endpoint response headers: {Date=Tue, 25 Mar 2025 05:17:56 GMT,
Content-Type=application/json; charset=utf-8, Content-Length=81, Connection=keep-alive, X-Powered-By=Express}
Tue Mar 25 05:17:56 UTC 2025 : Endpoint response body before transformations: {
  "pet": {
    "type": "dog",
    "price": 249.99
  },
  "message": "success"
}
Tue Mar 25 05:17:56 UTC 2025 : Method response body after transformations: {
  "pet": {
    "type": "dog",
    "price": 249.99
  },
  "message": "success"
}
```

## Step 7 : choose Deploy API and enter stage as New Stage and stage name as test.

## Deploy API



Create or select a stage where your API will be deployed. You can use the deployment history to revert or change the active deployment for a stage. [Learn more](#)

### Stage

\*New stage\*



### Stage name



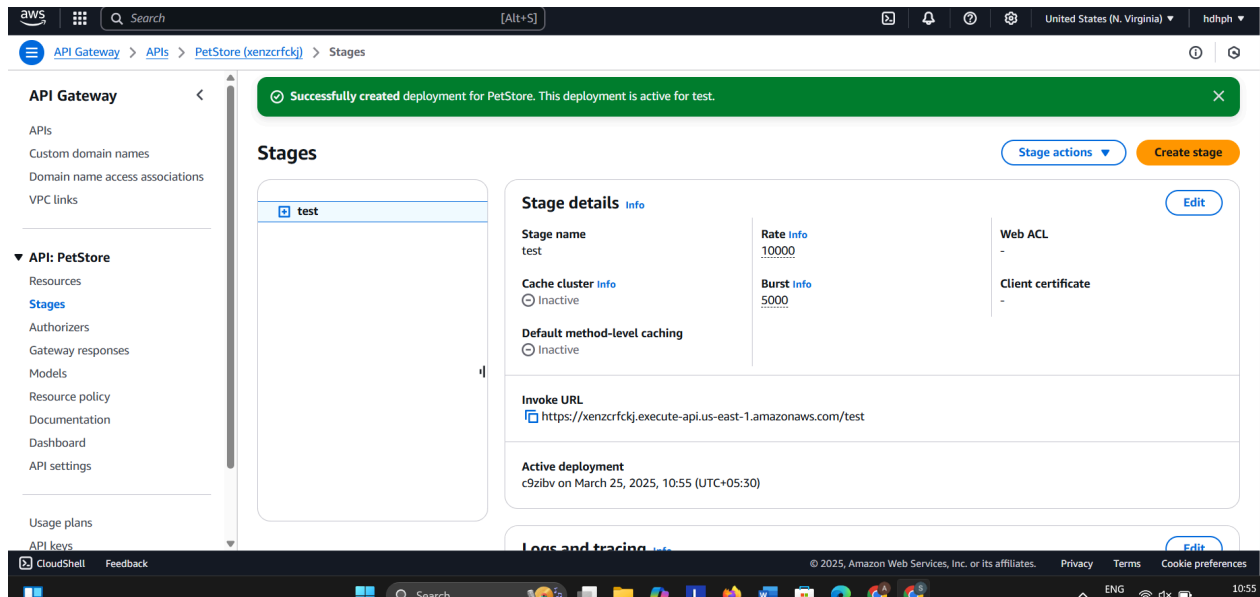
A new stage will be created with the default settings. Edit your stage settings on the **Stage** page.

### Deployment description

Cancel

Deploy

**Step 8 :** In the resulting Stages pane, under Stage details, the Invoke URL displays the URL to invoke the API's `GET /` method request.



**Step 9 :** Enter API's invoke URL in a web browser.

## Welcome to your Pet Store API

You have successfully deployed your first API. You are seeing this HTML page because the `GET` method to the root resource of your API returns this content as a Mock integration.

The Pet Store API contains the `/pets` and `/pets/{petId}` resources. By making a [GET request](#) to `/pets` you can retrieve a list of Pets in your API. If you are looking for a specific pet, for example the pet with ID 1, you can make a [GET request](#) to `/pets/1`.

You can use a REST client such as [Postman](#) to test the `POST` methods in your API to create a new pet. Use the sample body below to send the `POST` request:

```
{
  "type" : "cat",
  "price" : 123.11
}
```



**Step 10 :** In the Stages navigation pane, expand the test stage, select GET on /pets/{petId}, and then copy the Invoke URL value of `https://api-id.execute-api.region.amazonaws.com/test/pets/{petId}`. {petId} stands for a path variable.

```
[
  {
    "id": 1,
    "type": "dog",
    "price": 249.99
  },
  {
    "id": 2,
    "type": "cat",
    "price": 124.99
  },
  {
    "id": 3,
    "type": "fish",
    "price": 0.99
  }
]
```

Pretty-print ☐

```
{
  "id": 1,
  "type": "dog",
  "price": 249.99
}
```



