

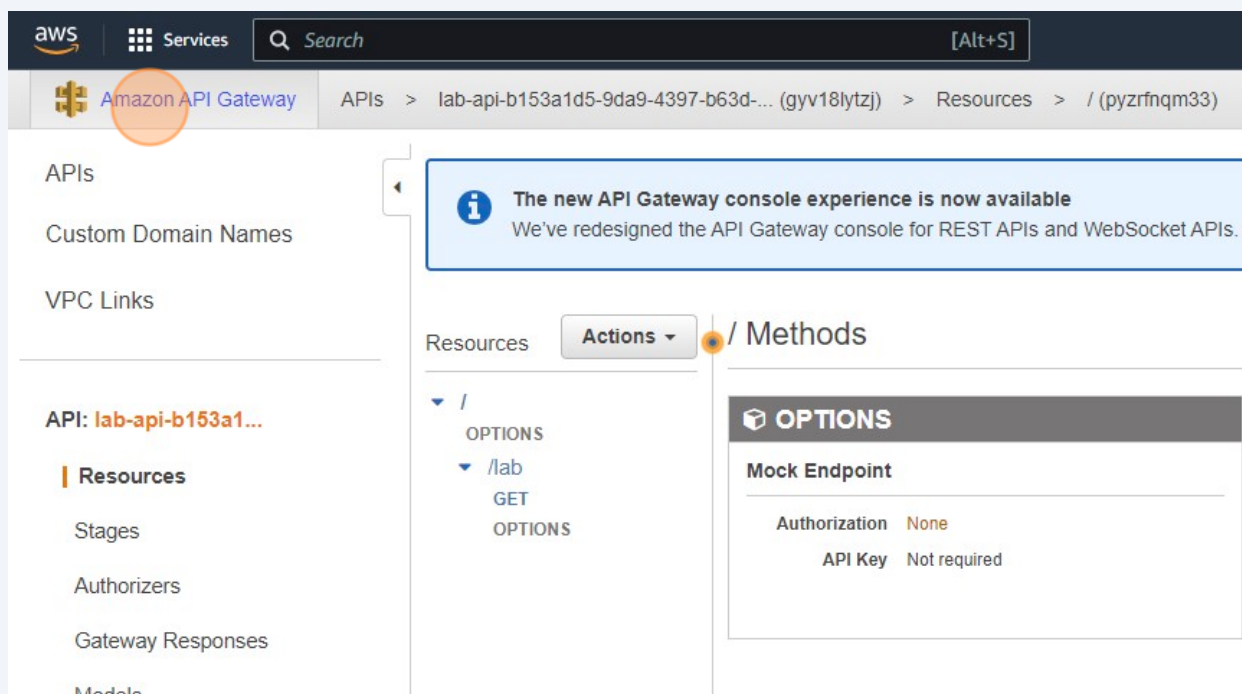
Deploying and Testing an API in Amazon API Gateway

1

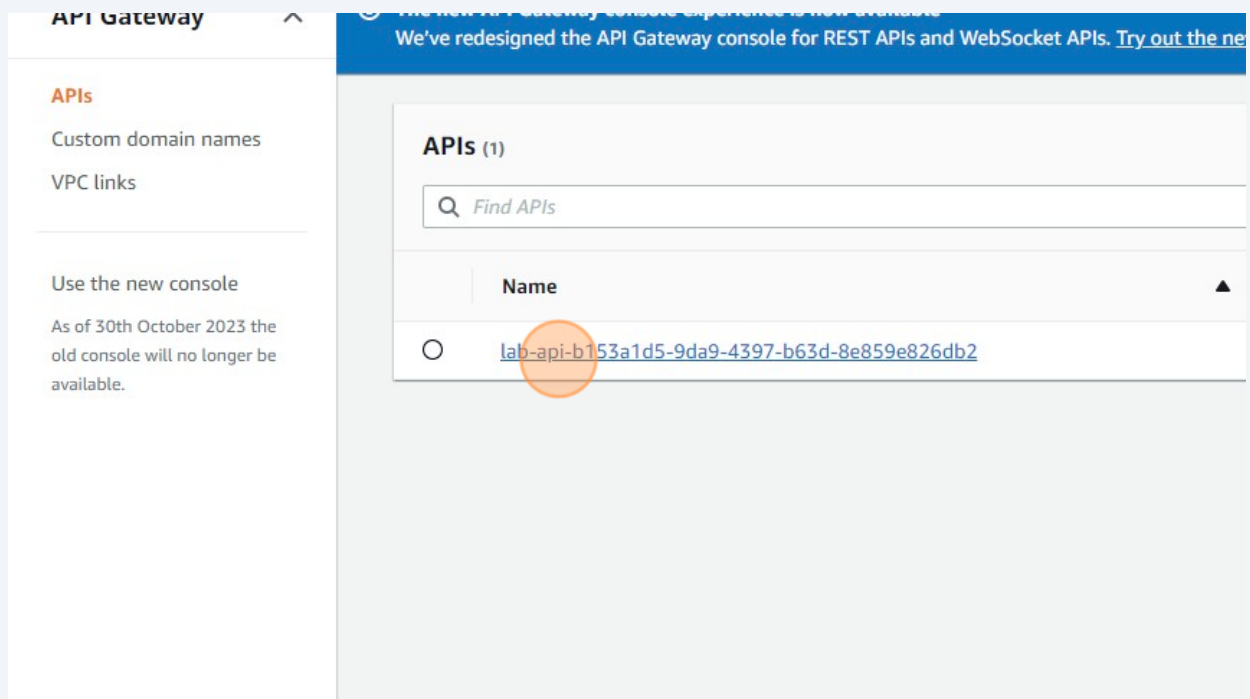
Navigate to <https://us-east-1.console.aws.amazon.com/apigateway/home?region=us-east-1#/apis/gyv18lytzj/resources/pyzrfnqm33>

2

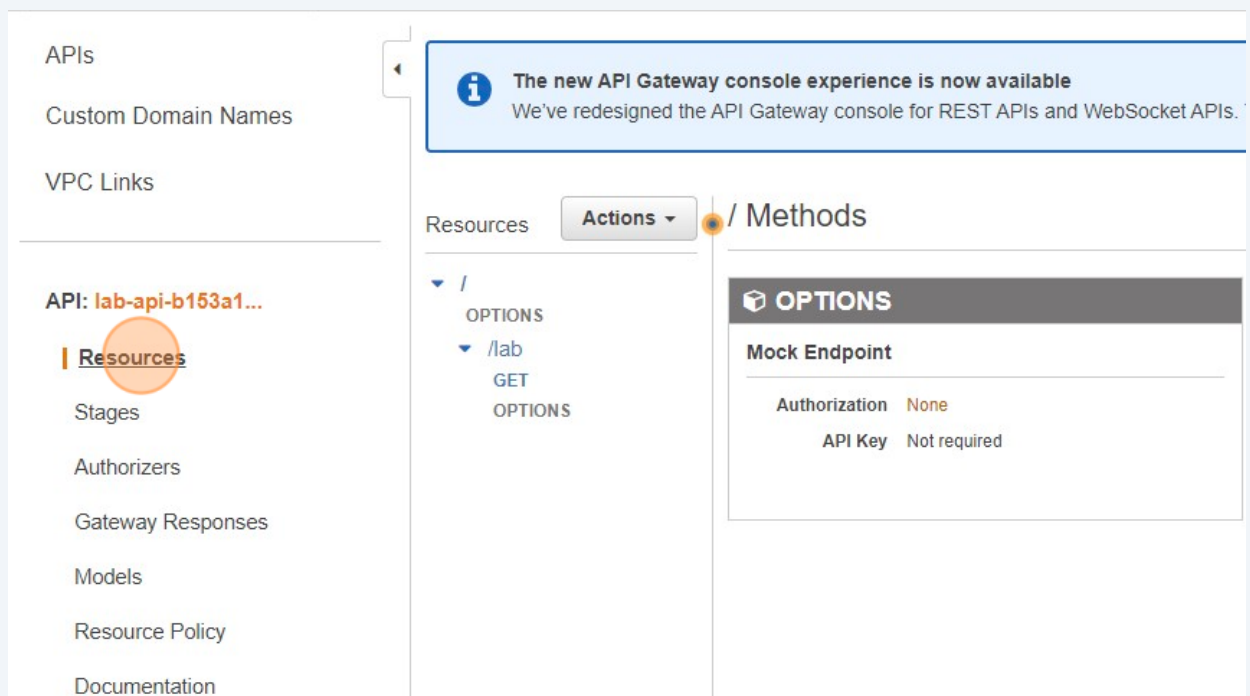
Click "Amazon API Gateway"



3 Click "lab-api-b153a1d5-9da9-4397-b63d-8e859e826db2"



4 Click "Resources"



5 Click "GET"

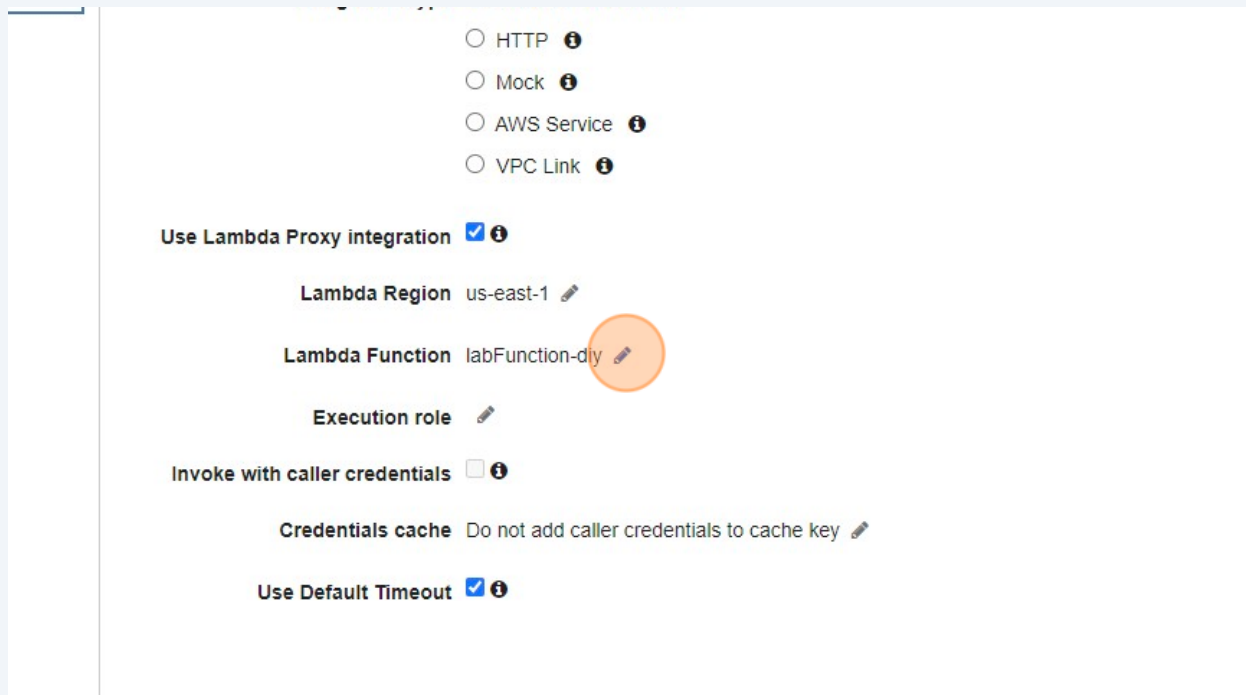
The screenshot shows the AWS API Gateway console. On the left, a sidebar lists navigation options: APIs, Custom Domain Names, VPC Links, and a section for the API 'lab-api-b153a1...'. Under this API, 'Resources' is selected, showing a tree with '/' and '/lab'. The 'GET' method under '/lab' is highlighted with an orange circle. The main panel shows the 'Methods' tab for the selected resource, with an 'OPTIONS' dropdown. To the right, the 'OPTIONS' panel displays 'Mock Endpoint' settings: 'Authorization' is 'None' and 'API Key' is 'Not required'. A blue banner at the top states: 'The new API Gateway console experience is now available. We've redesigned the API Gateway console for REST APIs and WebSocket APIs.'

6 Click "Integration Request"

The screenshot shows the 'Integration Request' configuration page for the 'GET' method. The breadcrumb at the top is '> GET'. A blue banner states: 'Please try out the new console. As of 30th October 2023 the old console will no longer be available.' The main area shows a visual integration diagram. On the left, a box represents the API endpoint: 'lab-api.us-east-3.amazonaws.com/lab'. An arrow points to a central box titled 'Integration Request' with 'Type: LAMBDA_PROXY', which is highlighted with an orange circle. Another arrow points from this box to a final box on the right labeled 'Lambda labFun'.

7

Click here.




☐ HTTP ⓘ


☐ Mock ⓘ


☐ AWS Service ⓘ

☐ VPC Link ⓘ


Use Lambda Proxy integration ☒ ⓘ

Lambda Region us-east-1 

Lambda Function labFunction-diy 

Execution role 

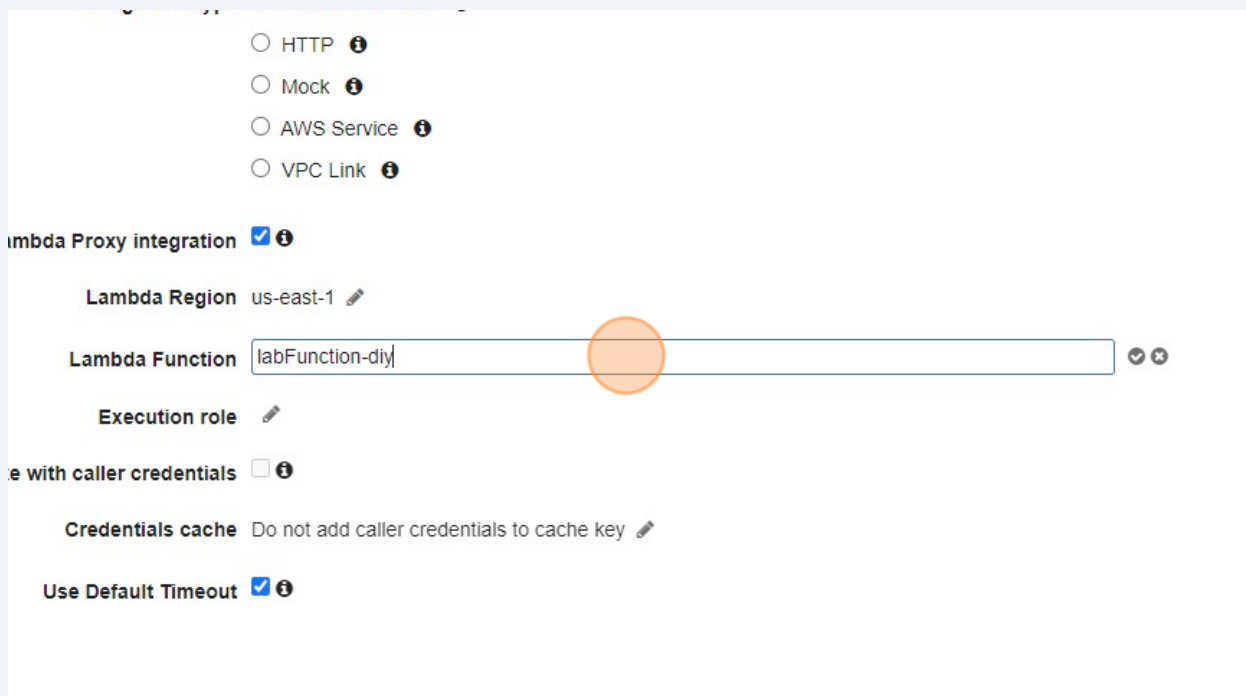
Invoke with caller credentials ☐ ⓘ

Credentials cache Do not add caller credentials to cache key 

Use Default Timeout ☒ ⓘ

8

Click this text field.




☐ HTTP ⓘ


☐ Mock ⓘ


☐ AWS Service ⓘ

☐ VPC Link ⓘ


Use Lambda Proxy integration ☒ ⓘ

Lambda Region us-east-1 

Lambda Function labFunction-diy 

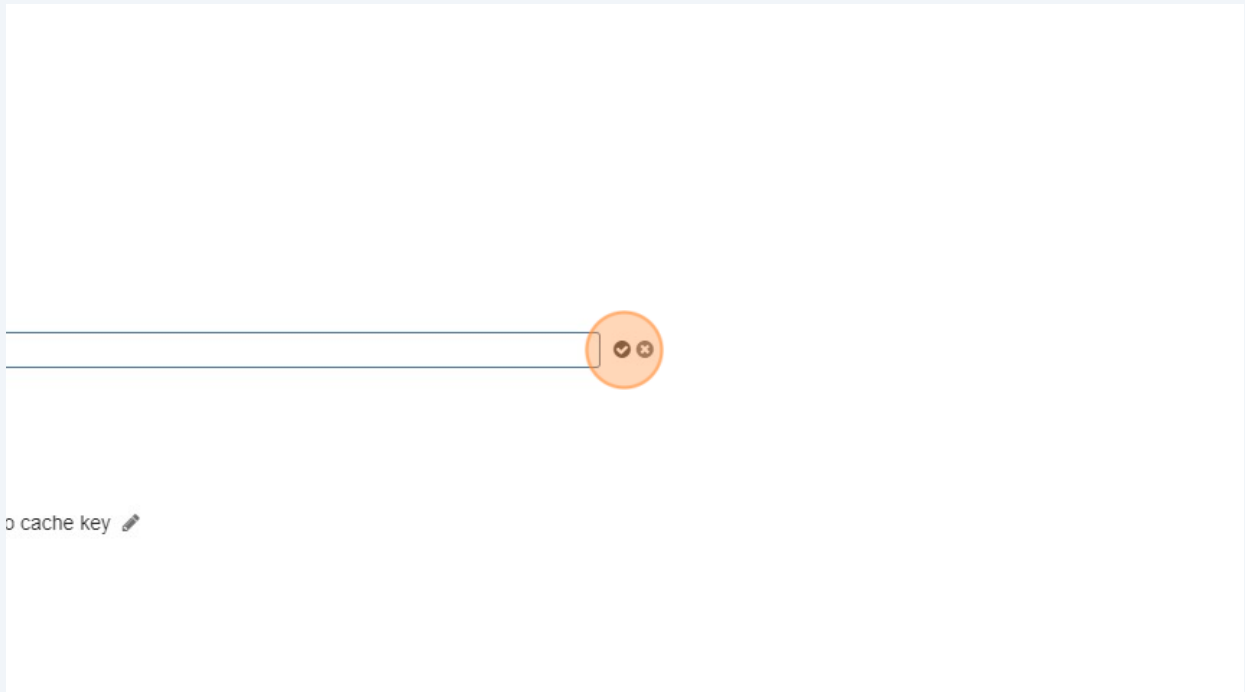
Execution role 

Invoke with caller credentials ☐ ⓘ

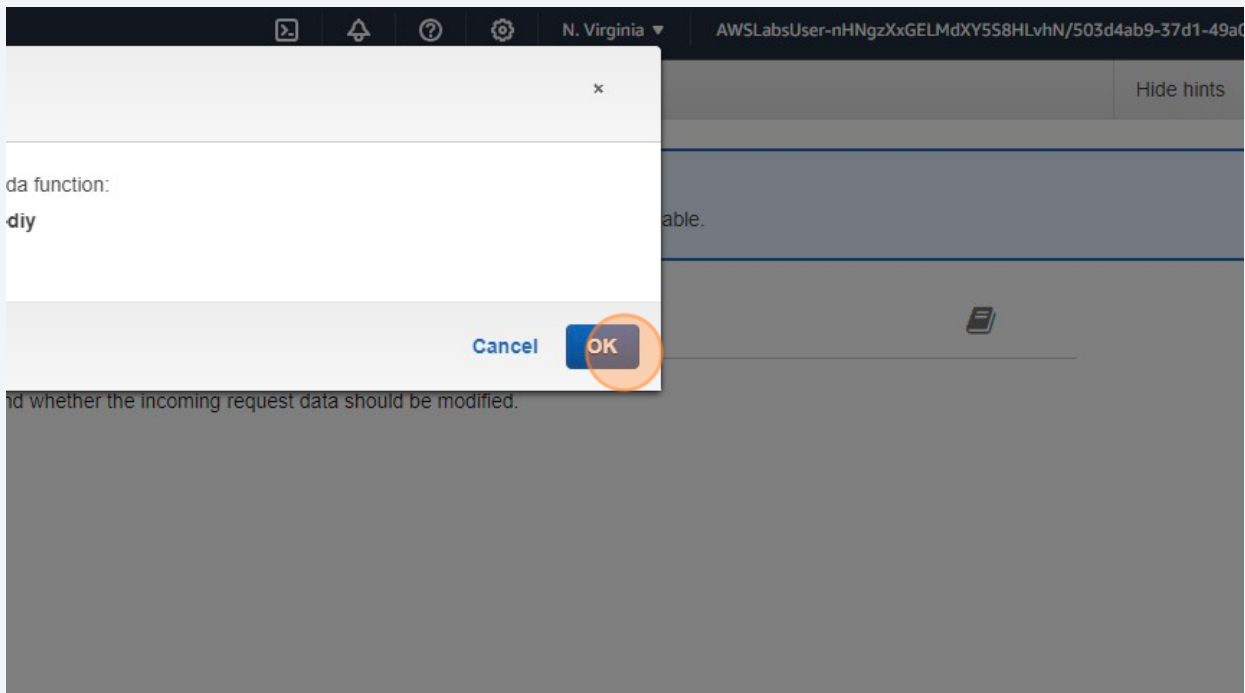
Credentials cache Do not add caller credentials to cache key 

Use Default Timeout ☒ ⓘ

9 Click here.



10 Click "OK"



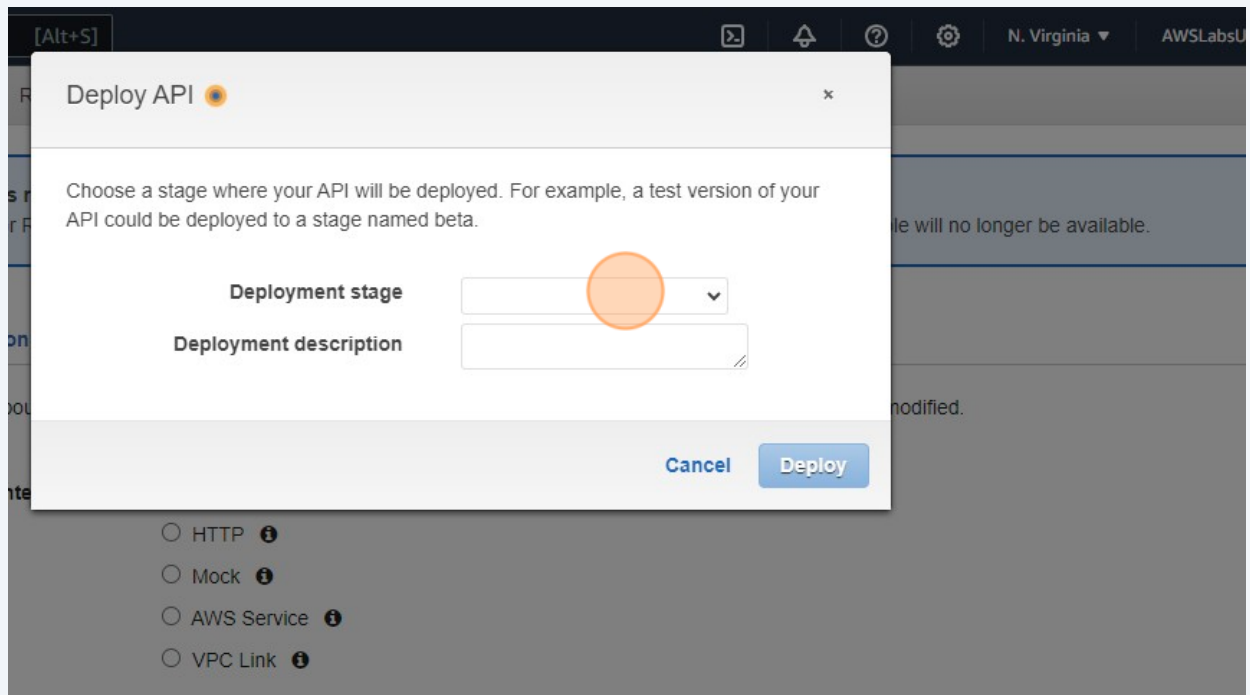
11 Click "Actions"

The screenshot shows the AWS API Gateway console. The breadcrumb navigation at the top reads: Amazon API Gateway > APIs > lab-api-b153a1d5-9da9-4397-b63d-... (gyv18lytzj) > Resources > /lab (5wyoqd) >. On the left sidebar, under the 'APIs' section, the 'Resources' link is highlighted. The main content area shows the 'Resources' tab with a tree view containing '/' and '/lab'. The '/lab' resource is expanded, showing a 'GET' method. An orange circle highlights the 'Actions' dropdown button next to the 'GET' method. To the right of the dropdown, the 'Method Execution' tab is visible, showing the 'Integration type' as 'Lambda Function' (selected) with other options like HTTP, Mock, AWS Service, and VPC Link.

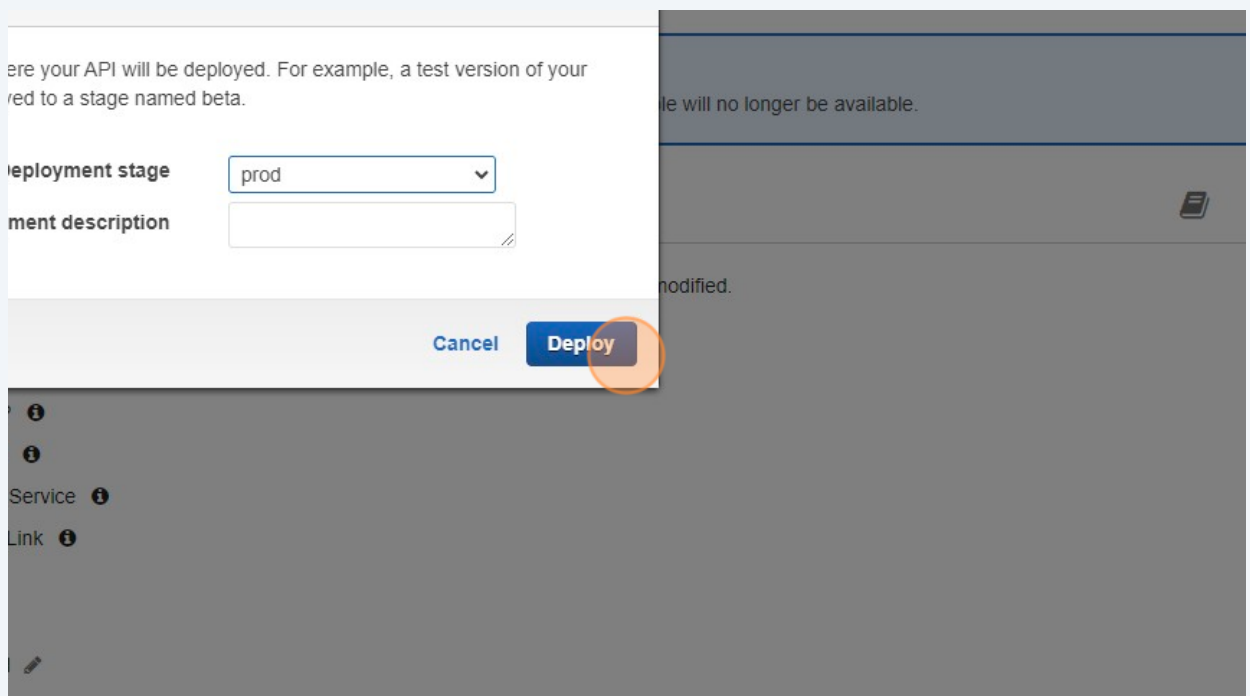
12 Click "Deploy API"

This screenshot shows the 'Deploy API' option highlighted in the 'API ACTIONS' menu. The breadcrumb navigation is the same as in the previous screenshot. The 'Resources' tab is active, and the '/lab' resource is expanded with the 'GET' method selected. An orange circle highlights the 'Deploy API' option in the 'API ACTIONS' dropdown menu. The right-hand side of the console shows the 'Integration type' as 'Lambda Function' and other configuration details like 'Lambda Region' (us-east-1) and 'Lambda Function' (labFunction-diy).

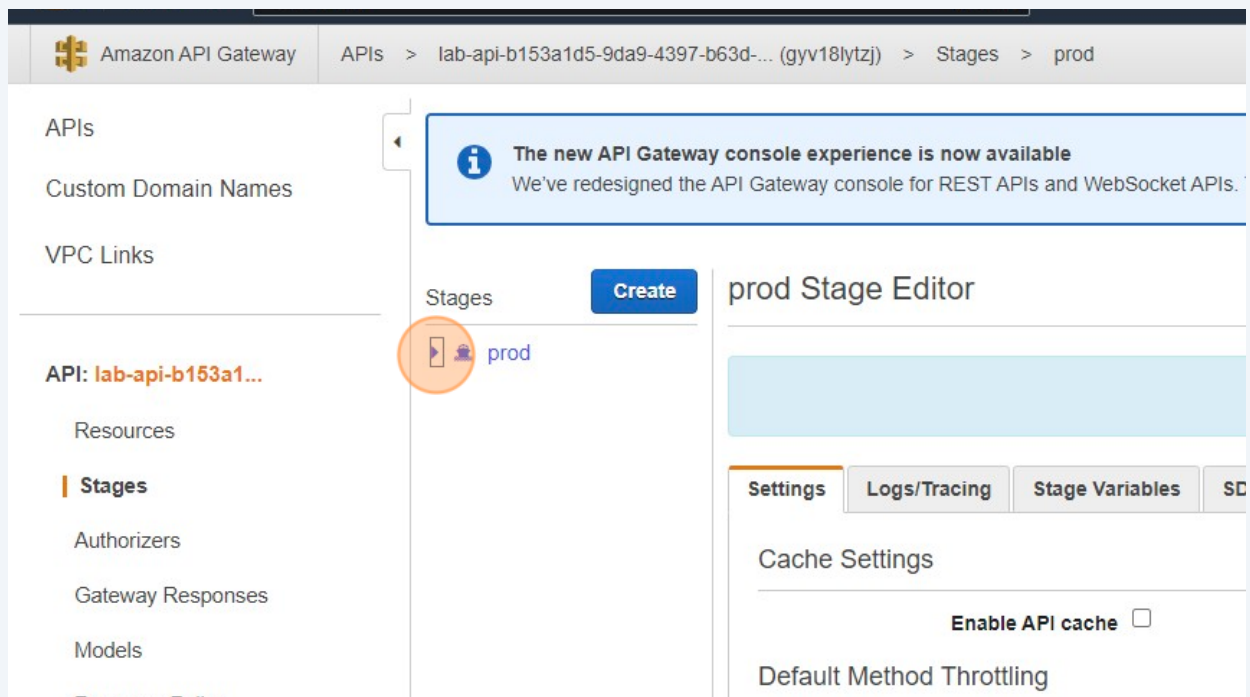
13 Click this dropdown.



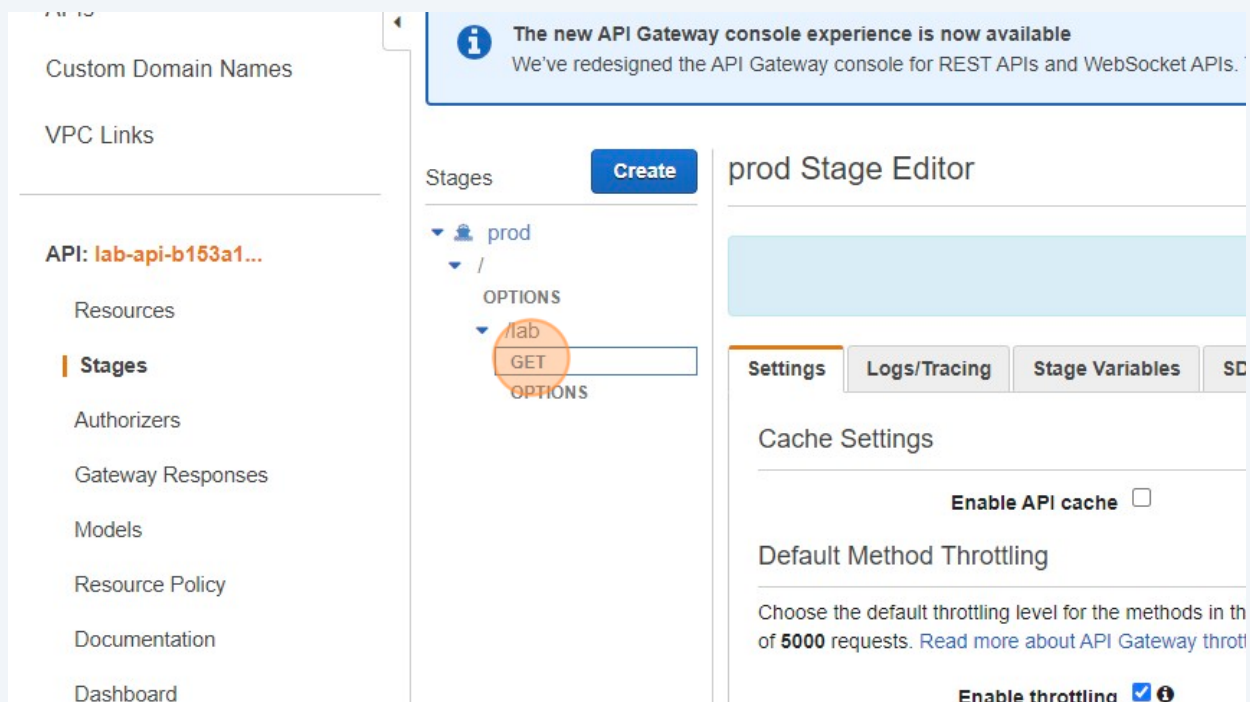
14 Click "Deploy"



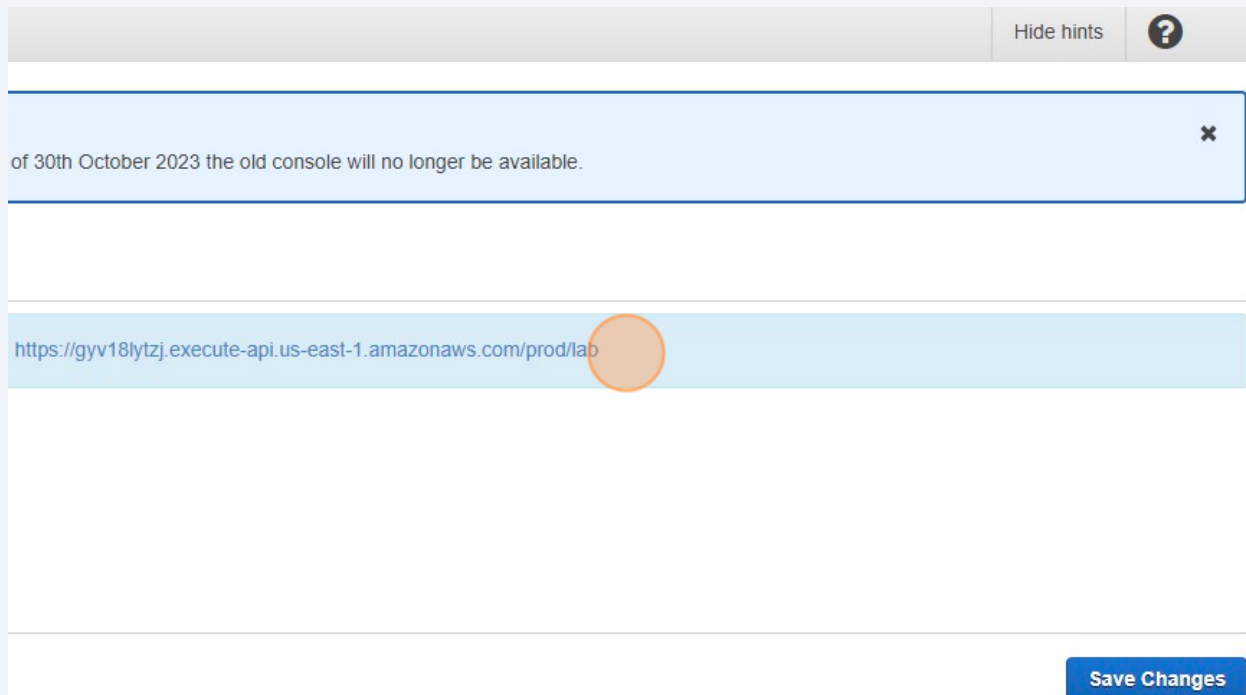
15 Click here.



16 Click "GET"



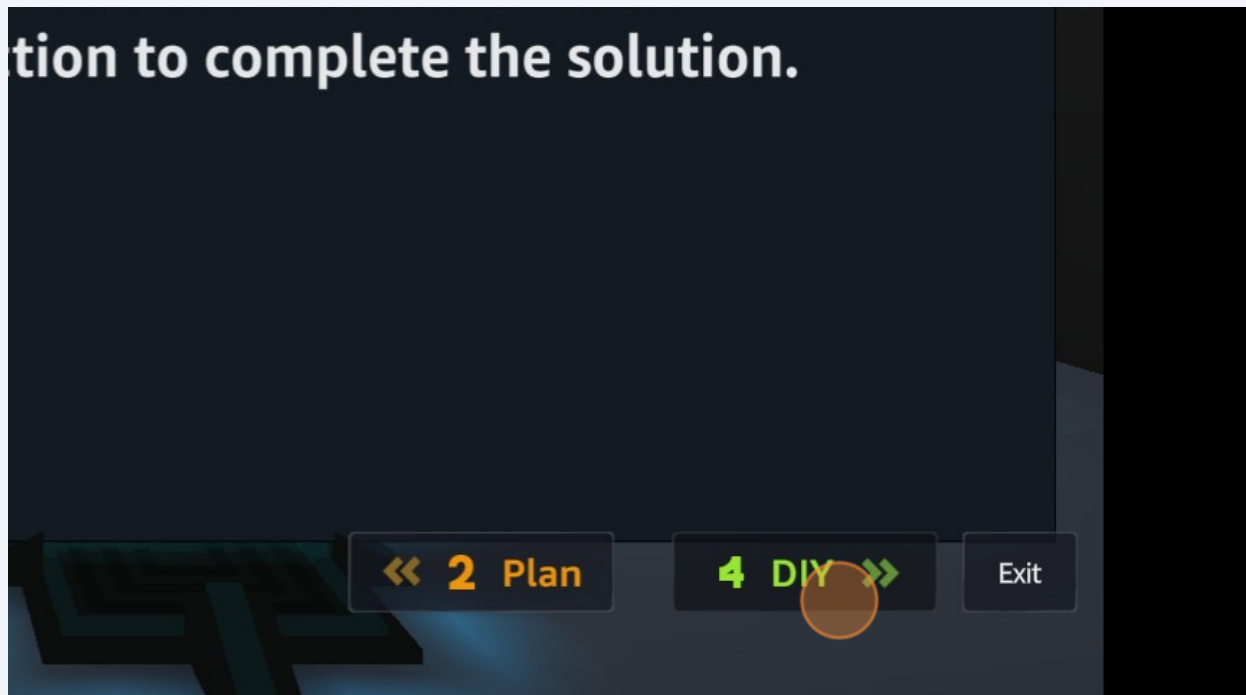
17 Click here.



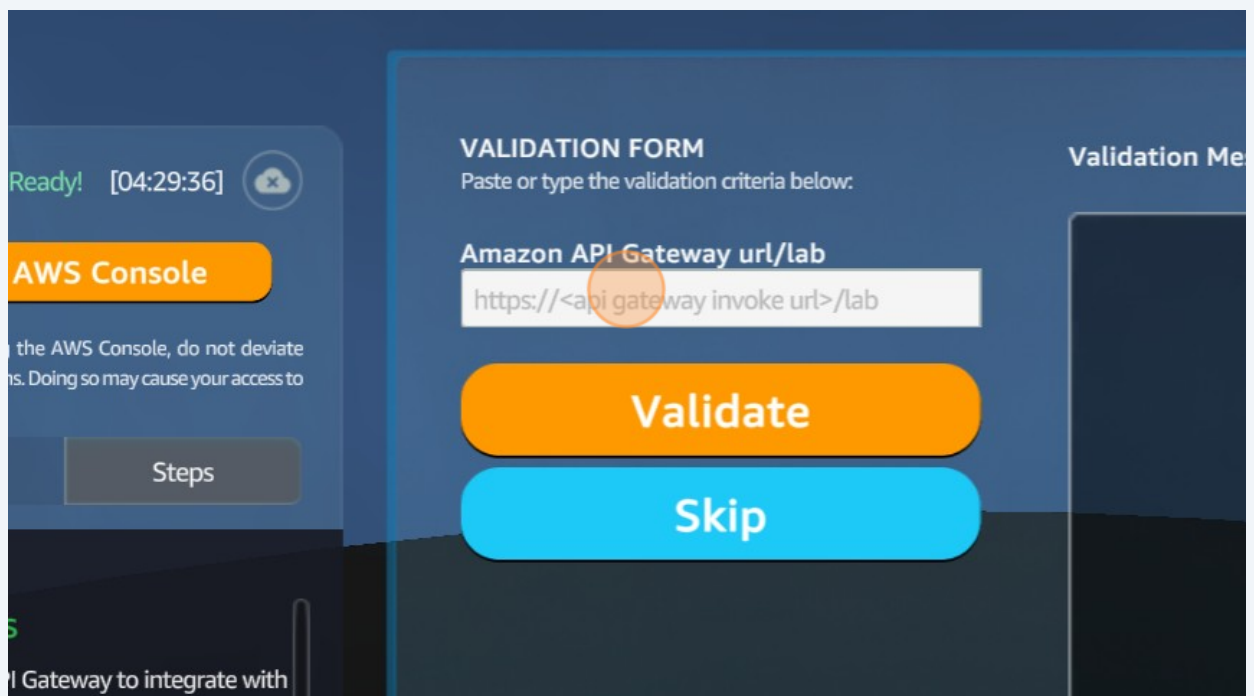
18 Press **ctrl + c**

19 Switch to tab "Cloud Quest"

20 Click here.

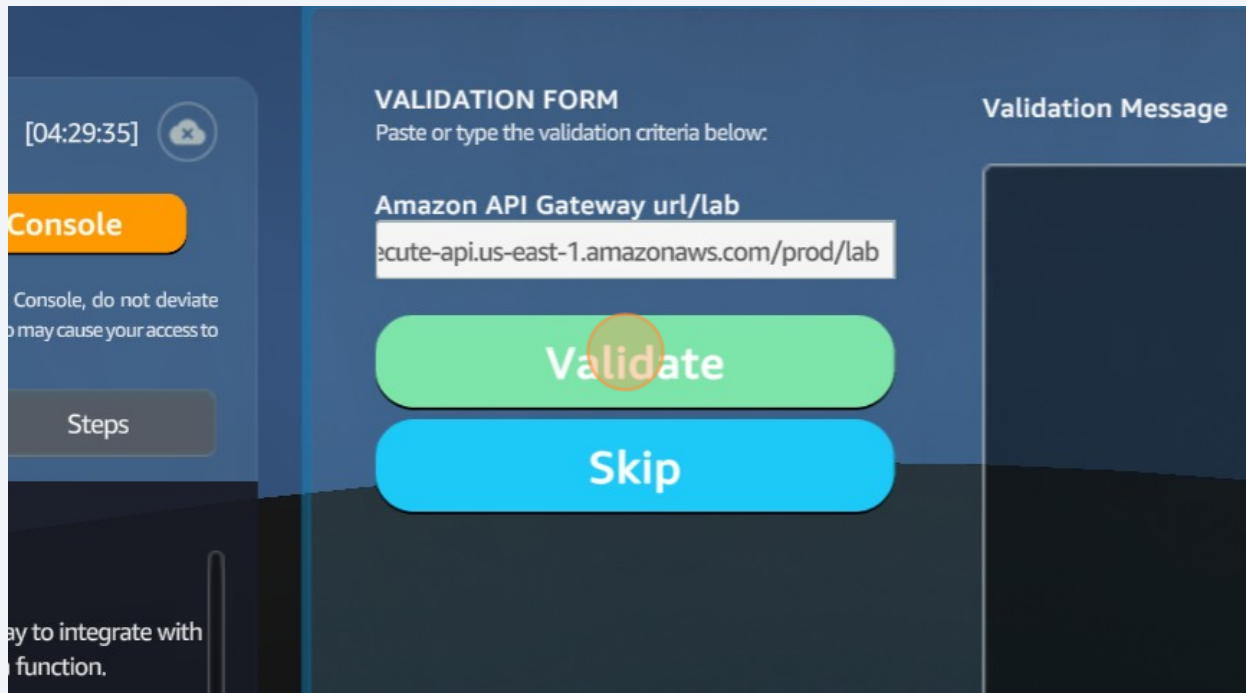


21 Click here.



22 Press **ctrl + v**

23 Click here.



The screenshot shows a dark-themed user interface. On the left, there is a sidebar with a timer at [04:29:35], a 'Console' button, and a 'Steps' button. The main area is titled 'VALIDATION FORM' and contains the instruction 'Paste or type the validation criteria below:'. Below this is a text input field with the value 'execute-api.us-east-1.amazonaws.com/prod/lab'. Two large buttons, 'Validate' (green) and 'Skip' (blue), are positioned below the input field. The 'Validate' button is highlighted with an orange circle. To the right of the form is a 'Validation Message' section, which is currently empty.

24

Double-click here.

