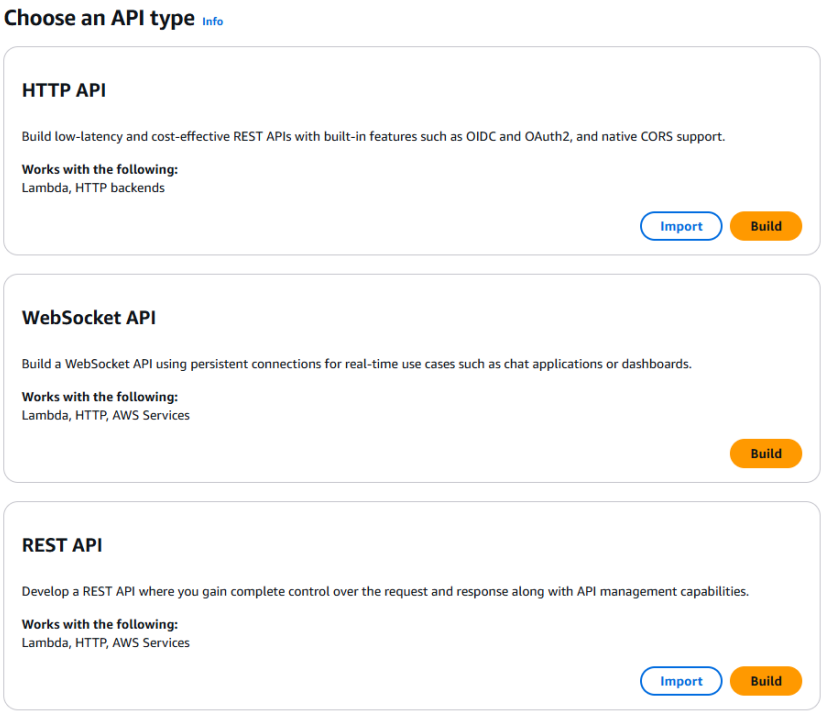
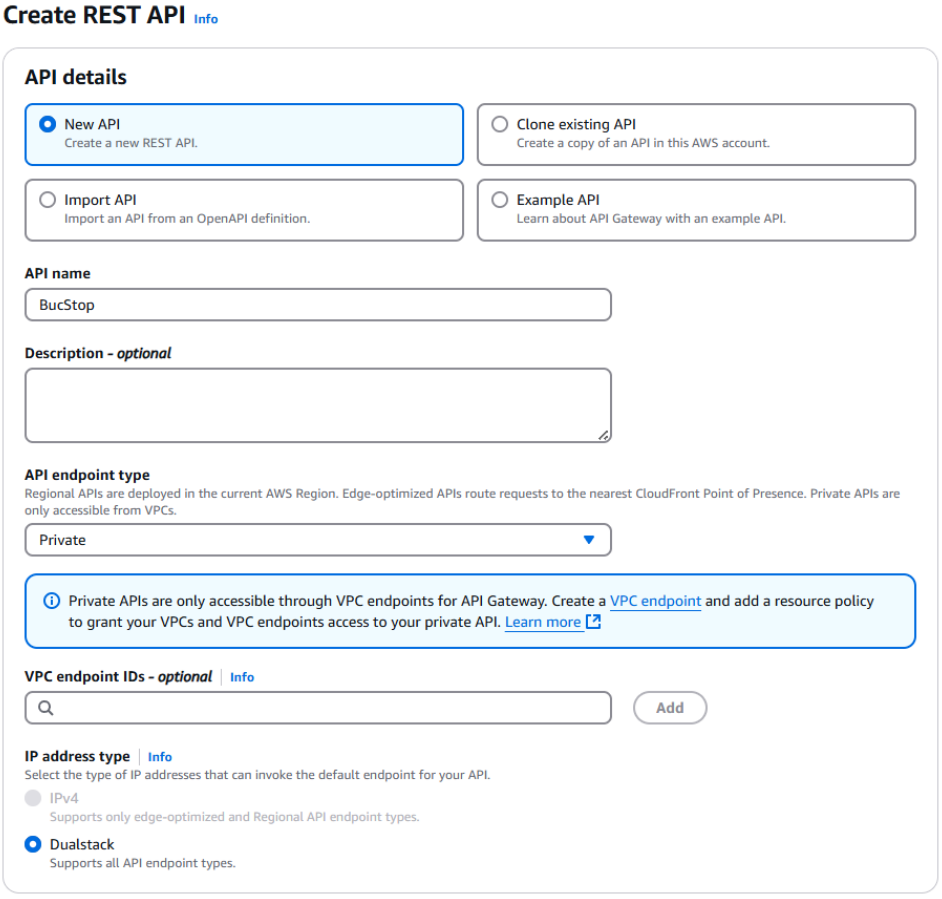
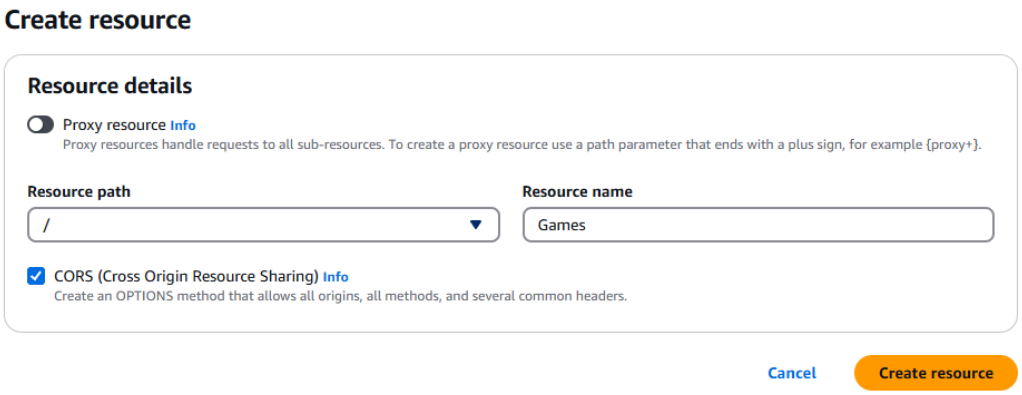
# Create a REST API

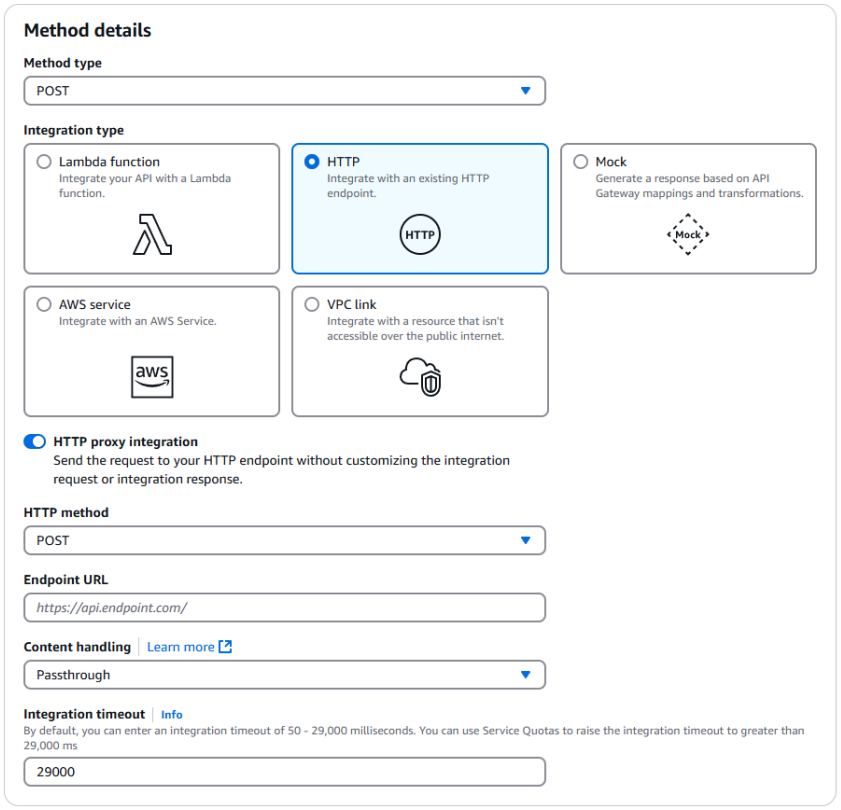


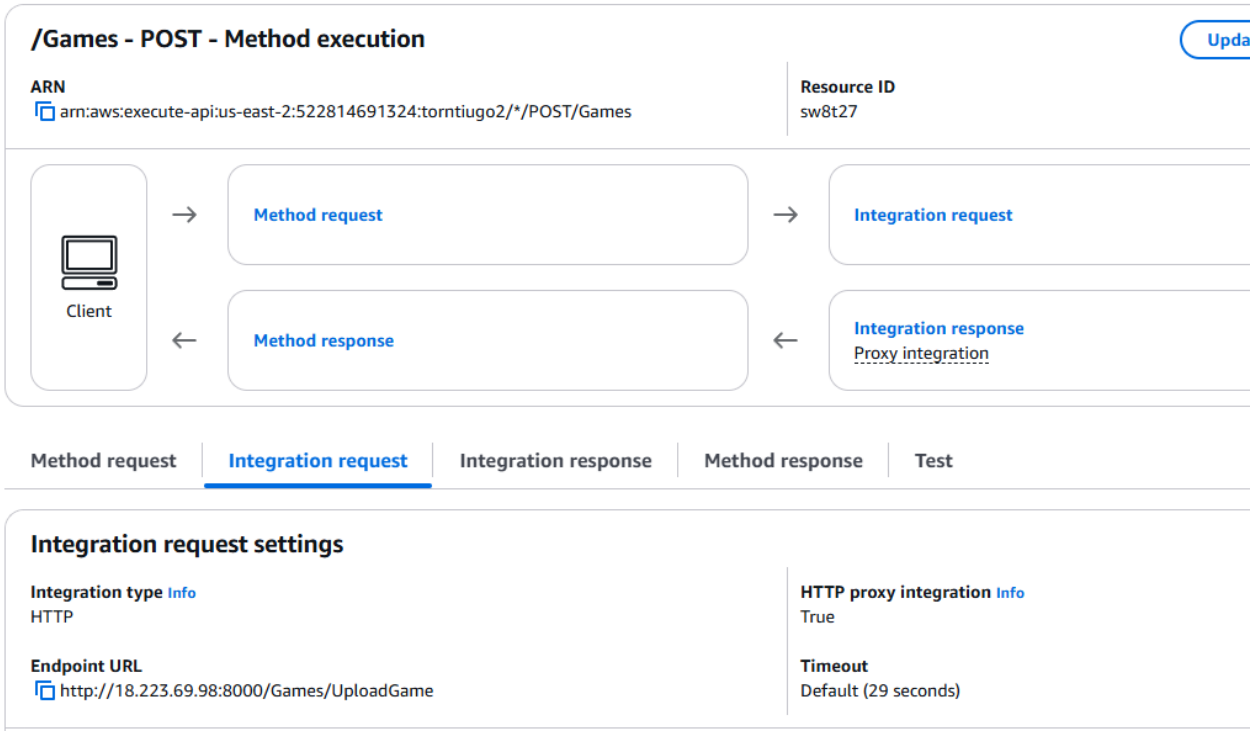
## Create a resource



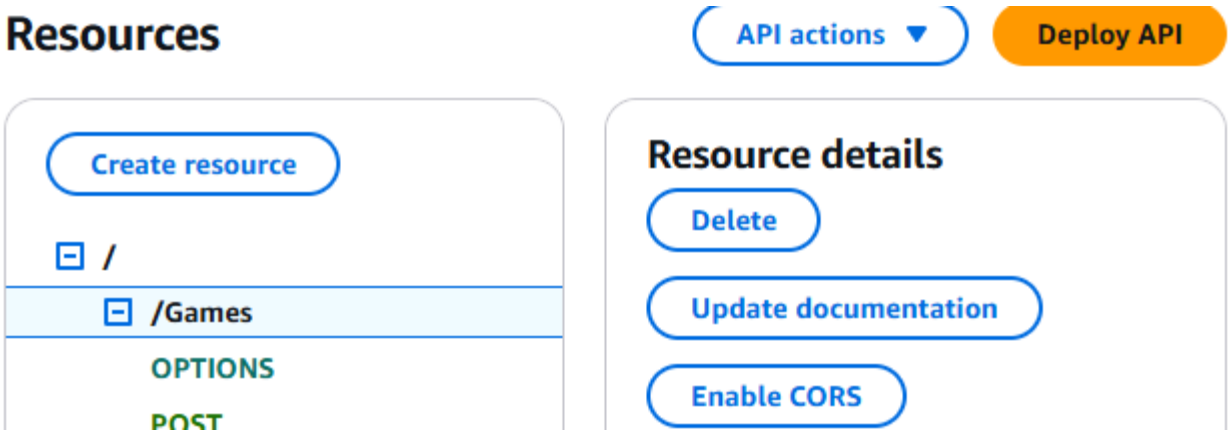

## Create POST method



**Configure integration (Select Integration Request in the POST RESOURCE)**




**Enable CORS**



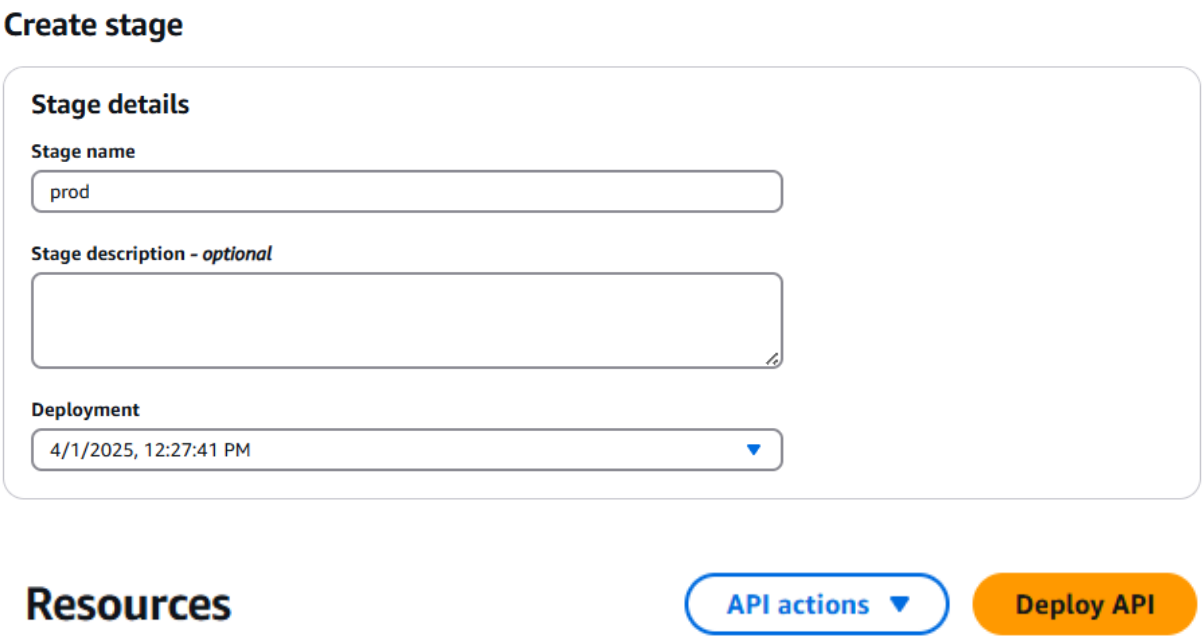

Allow

Origin: *

Methods: POST, OPTIONS

**Then Deploy API**

**Create a stage**




**Get invoke url**

https://torntiugo2.execute-api.us-east-2.amazonaws.com/prod

**Ensure code is up to date with the newest changes (Changes to Program.CS and GameController.cs)**

**Start the EC2 instance and run the webapp.**

**Run this command to test if the invoke URL works.**

You will insert your invoke URL in place of https://torntiugo2.execute-api.us-east-2.amazonaws.com/prod/Games

curl.exe -X POST https://torntiugo2.execute-api.us-east-2.amazonaws.com/prod/Games -F gameFile=@file.js

**In terminal you should see: “{"message":"File uploaded successfully!"}”**

**ls /mnt/ebs-storage to check that the file is there.**

| Test Case | Input | Expected Output |
|---|---|---|
| Create the API GW | Follow the steps above to create the AWS API gateway | Make sure you hit Deploy API at the end. |
| Start EC2 instance. | SSH into the EC2 instance and dotnet run | Web app starts |
| Create test.js file | Create a test.js file to use in the curl command | Test.js file created. |
| Test POST file command | THIS COMMAND NEEDS TO BE RUN IN THE TERMINAL OF YOUR COMPUTER, NOT THE EC2 INSTANCE.<br>curl -X POST https://torntiugo2.execute-api.us-east-2.amazonaws.com/prod/Games -F "gameFile=@test.js" | “{"message":"File uploaded successfully!"}” |
| Verifying file is there | ls /mnt/ebs-storage | You should see the name of the test file you submitted. |

CODE CHANGES

Change Program.cs

Lines 9-10

Lines 34-38

Comment out 52

Lines 54-58

Comment out 76

Change GameController.cs

Add POST method

Lines 100-131

Test:

curl -X POST https://torntiugo2.execute-api.us-east-2.amazonaws.com/prod/Games -F "gameFile=@test.js"