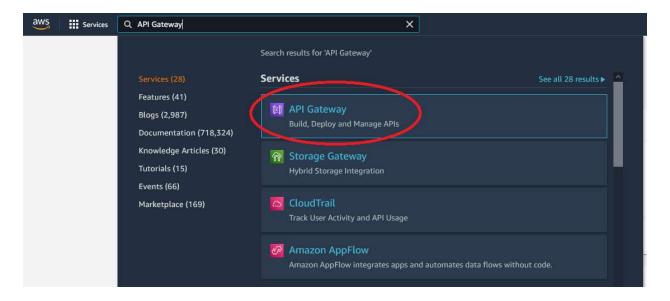
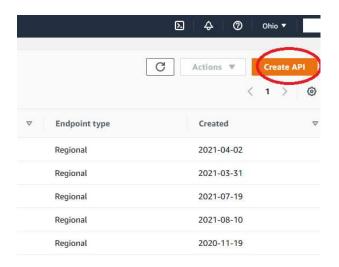
Steps to create HTTP endpoint for a cloud function using API Gateway in AWS

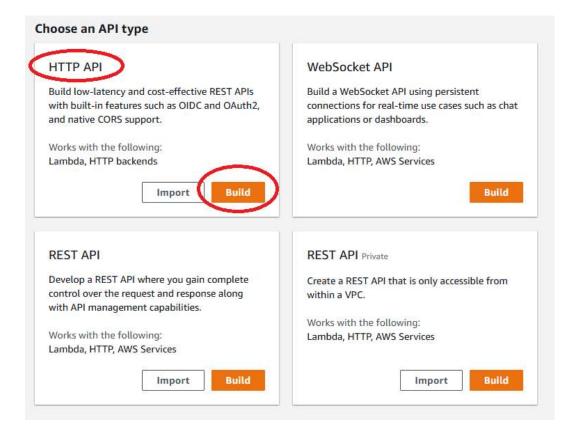
- 1. Navigate to AWS Console at: https://aws.amazon.com/console/
- 2. Sign in using your credentials
- 3. Once in the AWS Console, search for "API Gateway" and select.



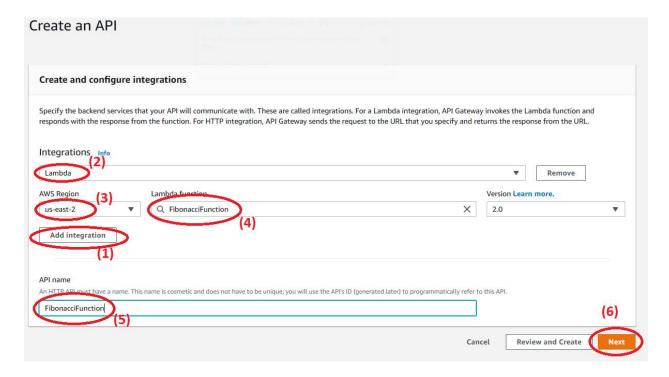
4. In the API Gateway window, select "Create API"



5. Select "HTTP API" - Build in the next window

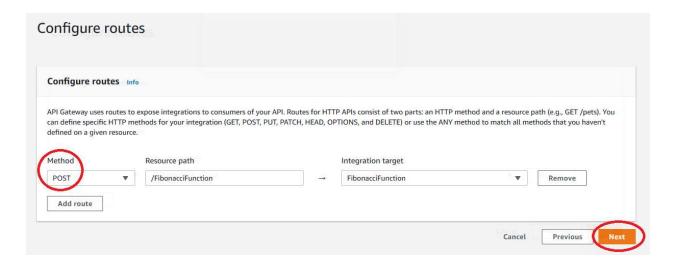


6. In the next window, select and enter the details as follow:



- 1) Click "Add integration"
- 2) Select "Lambda"
- 3) Check the region that your Lambda function was created
- 4) Choose the Lambda function name from the dropdown list
- 5) Give the API a meaningful name
- 6) Select "Next"

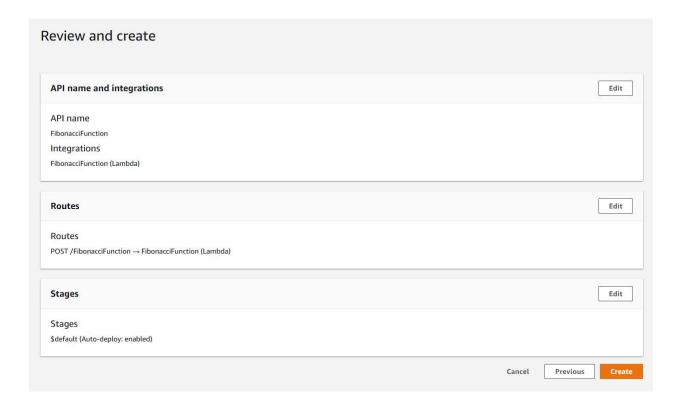
7. In the "Configure routes" window, select the right method (POST) and click "Next"



8. In the "Define Stages", leave everything intact and click "Next"



9. In the next window "Review and create", check the details again and click "Create"



10. The newly created API Gateway will have a field called "Invoke URL", it has the following format:

https://<APP ID>.execute-api.us-east-2.amazonaws.com

11. Copy this URL and append it with the path you have entered in Step (6), the URL to invoke the function is:

https://<APP ID>.execute-api.us-east-2.amazonaws.com/FibonacciFunction

12. Copy this whole URL and paste it in the file:

/aws.client/src/main/java/util/Constant.java

The client program will invoke the Fibonacci cloud function you have created via the newly created API Gateway

```
public class Constant { | public static final long ONE MINUTE INTERVAL = 60000L; | public static final String FIBONACCI_URI = "https://<APP_ID>.execute-api.us-east-2.amazonaws.com/FibonacciFunction"; | public static final String CONTENT_TYPE = "Content-Type"; | public static final String APPLICATION_JSON = "application/json"; | public static final int COLD_START_NUM_ITERATION = 38; | public static final long ZERO_DELAY = 0L; | private Constant() {}
```