

IST 615 – CLOUD MANAGEMENT

LAB #7 – AZURE SERVERLESS FUNCTIONS

JOVITA ANDREWS

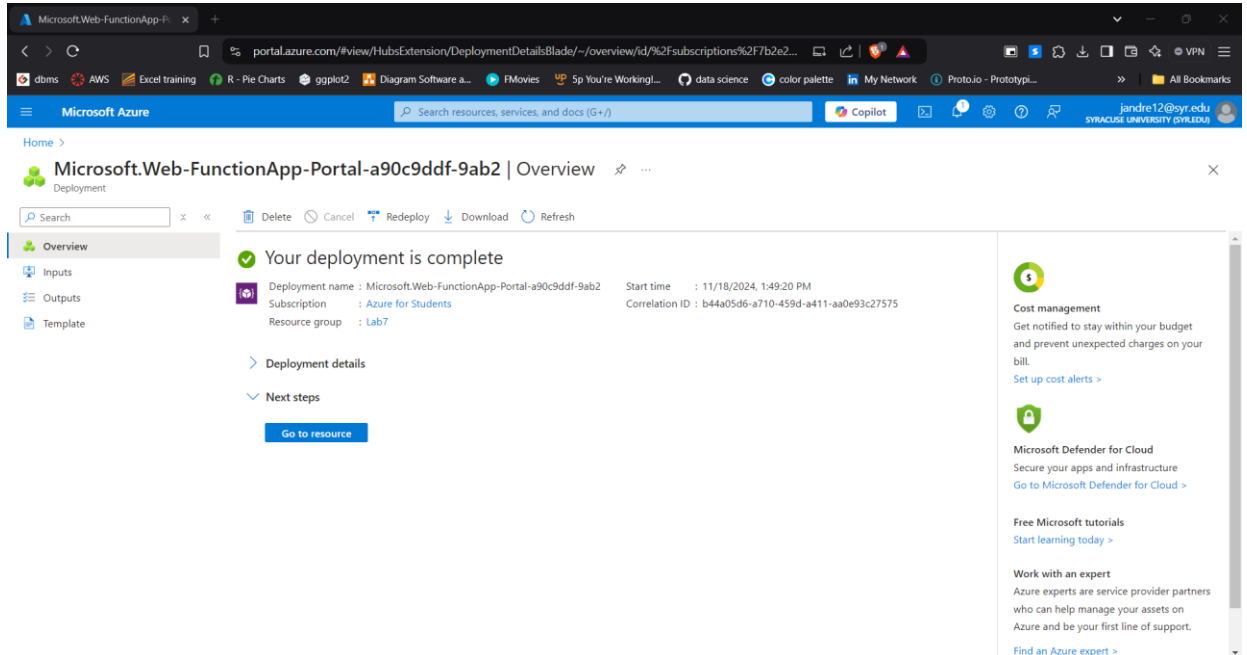
Lab Report

Submit all requested screenshots mentioned in the *Tasks* section. Each screenshot should have a brief description of what is being shown/displayed in it.

Solution:

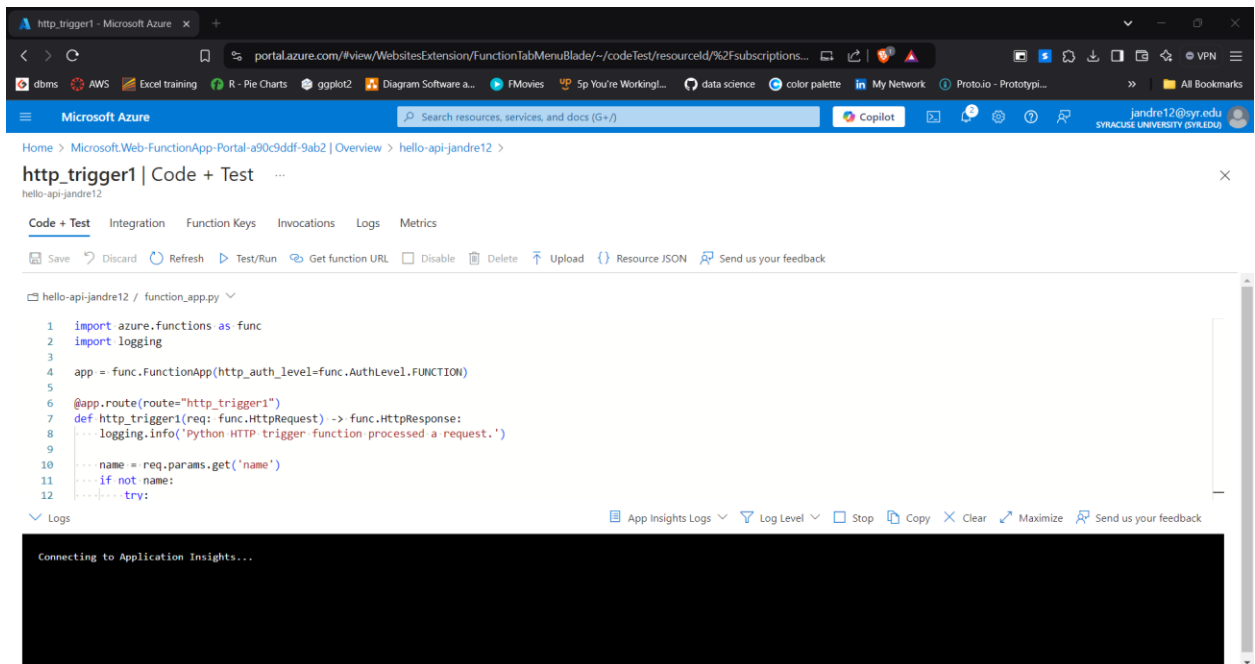
SS01: Function App Creation

This screenshot shows the successful creation of the Function App in the Azure Portal



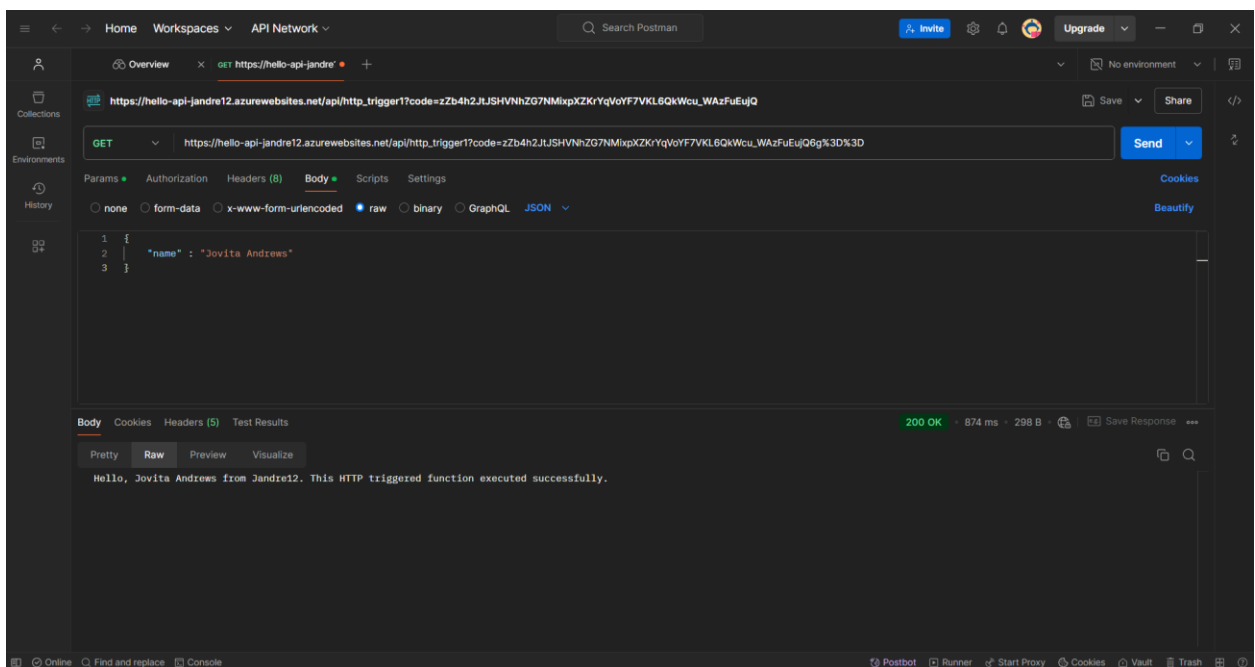
SS02: Function Creation

This screenshot demonstrates the successful creation of an HTTP-triggered function within the Function App.



SS03A: Testing with Postman

This screenshot shows the results of testing the HTTP-triggered function using Postman.



SS03B: Testing with Curl

This screenshot captures the terminal response when testing the HTTP-triggered function using the curl command

```
jovita06@Jovita: ~  
/home/jovita06/.hushlogin file.  
jovita06@Jovita:~$ curl --location --request GET 'THE-URL-OF-YOUR-FUNCTION' \  
der 'Content-Typ> --header 'Content-Type: application/json' \  
> --data '{  
> "name": "John Doe"  
> curl --location --request GET 'THE-URL-OF-YOUR-FUNCTION' --header 'Content-Type  
: application/json' --data '{  
"name": "Jovita Andrews"  
curl: (6) Could not resolve host: THE-URL-OF-YOUR-FUNCTION  
curl: (3) unmatched brace in URL position 25:  
application/json --data {  
^  
name:Jovita Andrews: command not found  
jovita06@Jovita:~$ curl --location --request GET 'FUNCTION_URL' \  
> --header 'Content-Type: application/json' \  
> --data '{  
> "name": "John Doe"  
> }'  
  
curl: (6) Could not resolve host: FUNCTION_URL  
jovita06@Jovita:~$  
jovita06@Jovita:~$ curl --location --request GET 'https://hello-api-jandre12.azurewebsites.net/api/http_trigger1?code=zZb4h2JtJSHVNhZG7NMixpXZKrYqVoYF7VKL6QkWcu_WAzFuEujQ6g%3D%3D' \  
> --header 'Content-Type: application/json' \  
> --data '{  
> "name": "John Doe"  
> }'  
Hello, John Doe from Jandre12. This HTTP triggered function executed successfully  
.jovita06@Jovita:~$ |
```

Provide a comment on what was the most difficult issue of this lab assignment or what was its most interesting issue/item for you.

Solution:

The most interesting part of the lab was learning how to create a serverless function in Azure and seeing how it respond dynamically to HTTP requests. It was fascinating to see how quickly and easily a functional API could be set up without worrying about the underlying infrastructure.