Lesson 08 Demo 03

Creating a Serverless Web App

Objective: To create a serverless web application on the Amazon Web Services (AWS) platform

Tools required: AWS WorkSpaces

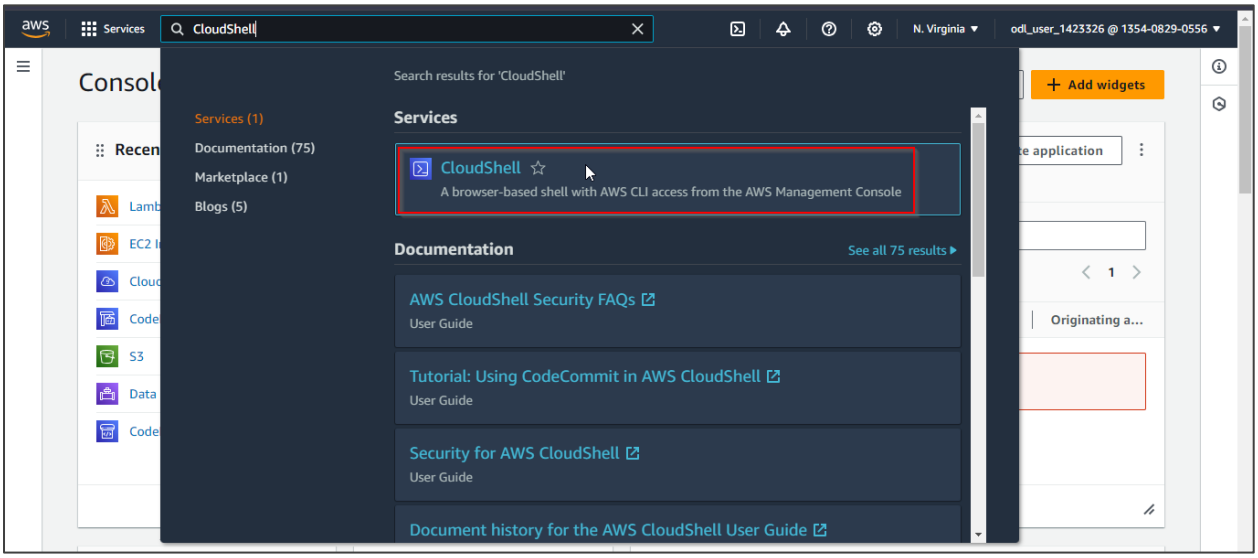
Prerequisites: None

Steps to be followed:

1. Develop a serverless web application

Step 1: Develop a serverless web application

1.1 On the AWS portal home screen, search for and select **CloudShell**

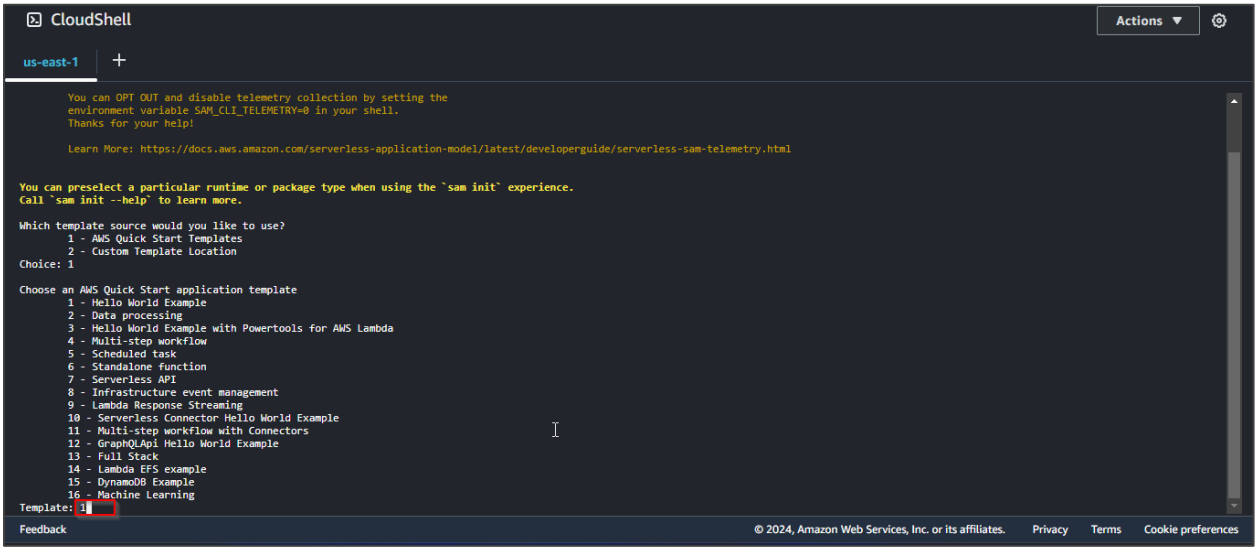


1.2 In the CloudShell, use the following command:

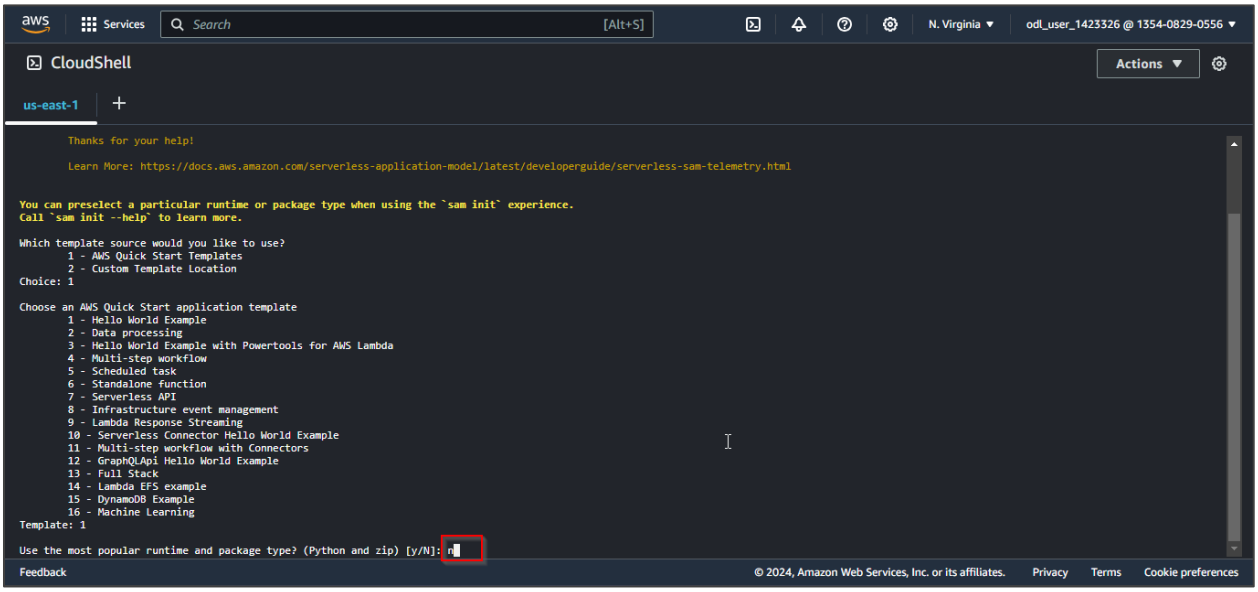
sam init

1.3 Choose option **1** for the **AWS Quick Start Templates**

1.4 Select option **1** for the **Hello World Example** template

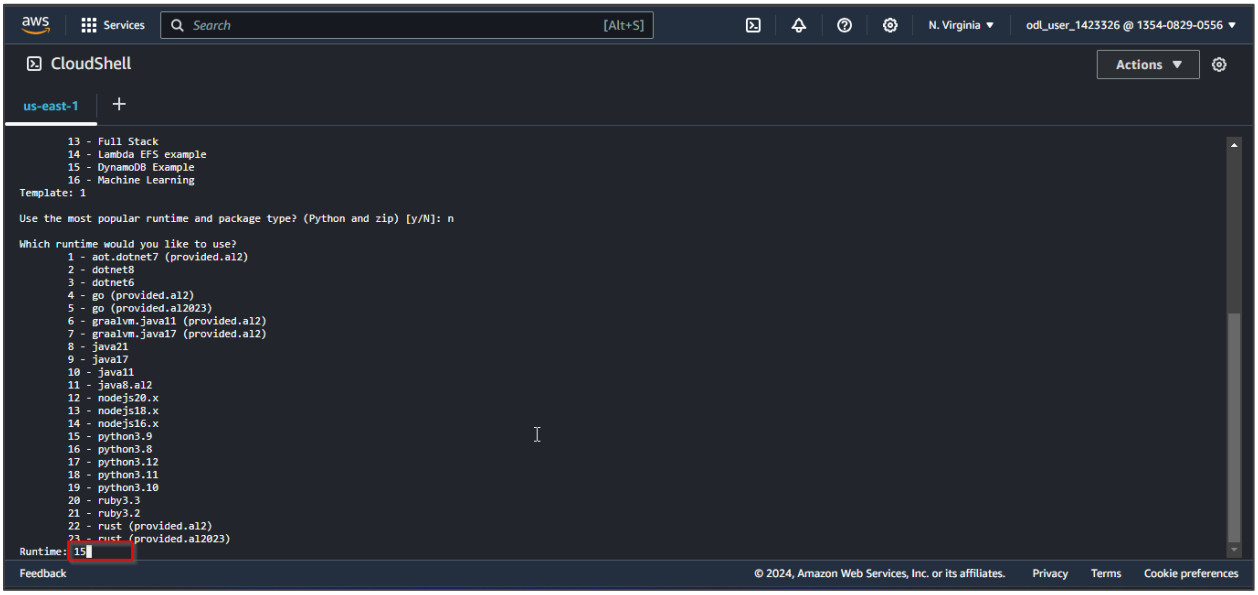


1.5 Enter **n** for Python and the zip package

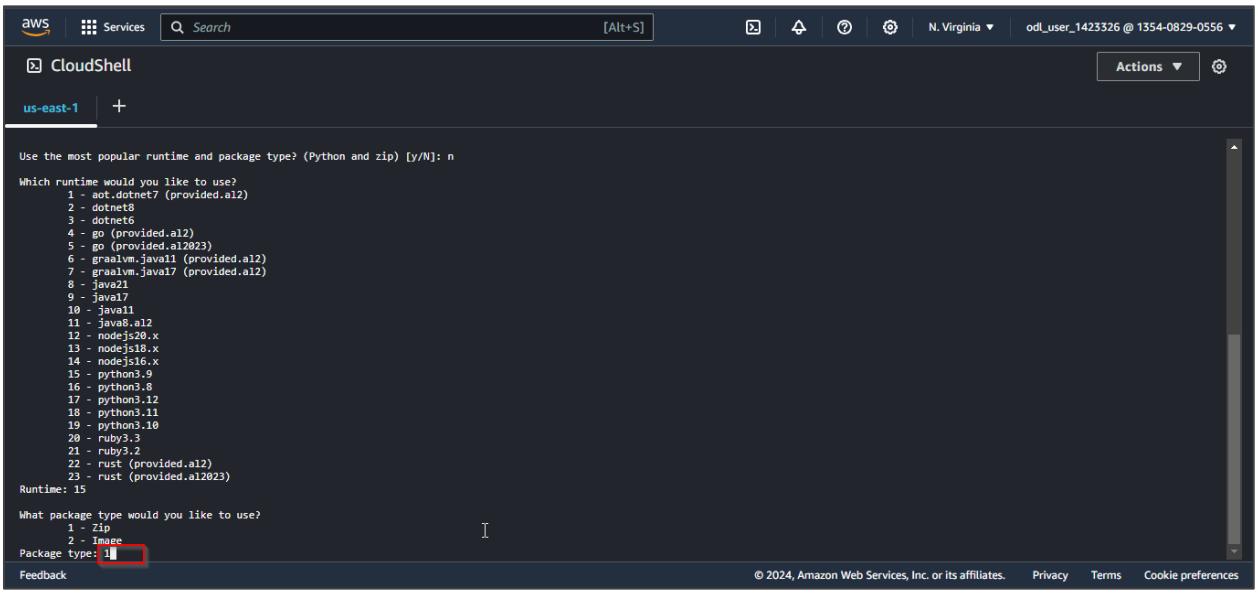


Opt for the non-zipped package and choose Python when prompted.

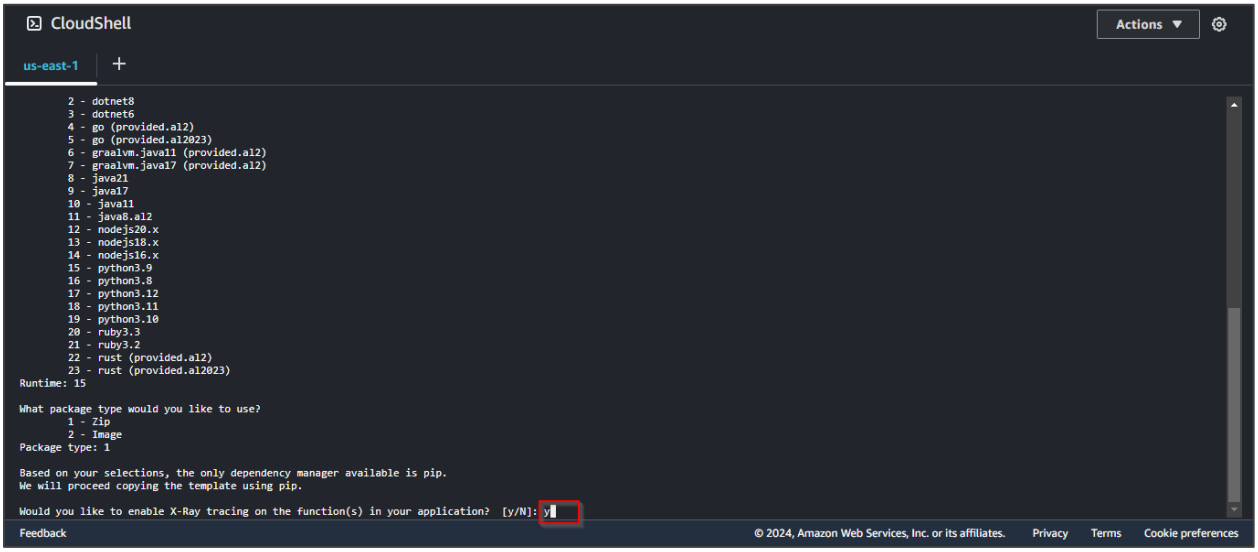
1.6 Set the runtime to **Python 3.9 (Choose 15)**



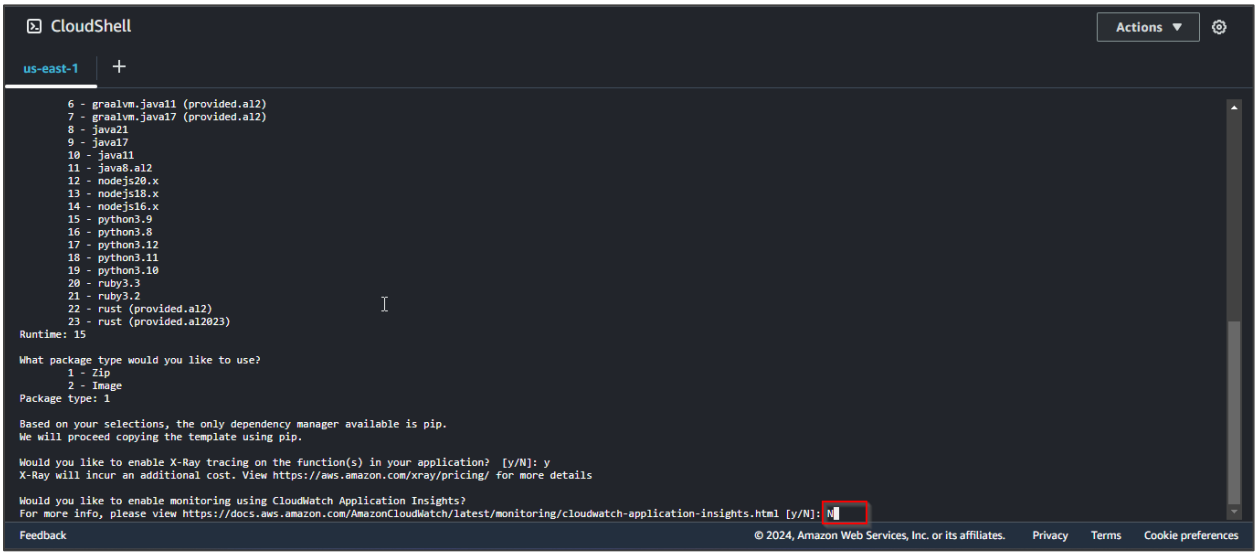
1.7 Choose package type **1**, which is **Zip**



1.8 Enable X-ray tracing by entering **y**

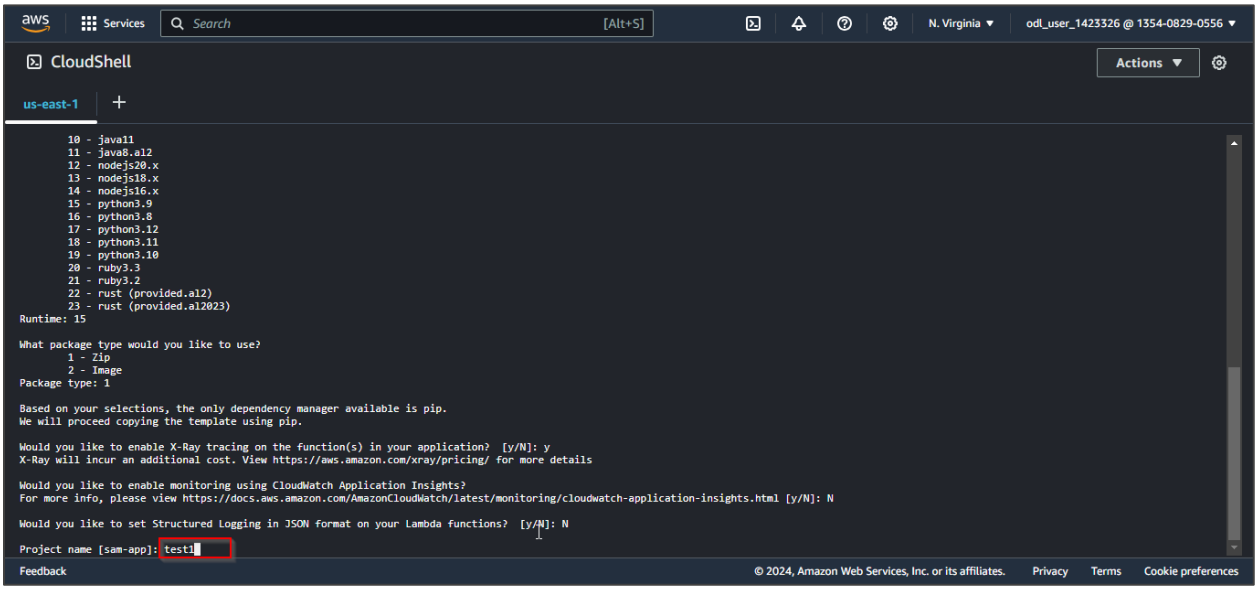


1.9 Disable CloudWatch monitoring by entering **N**



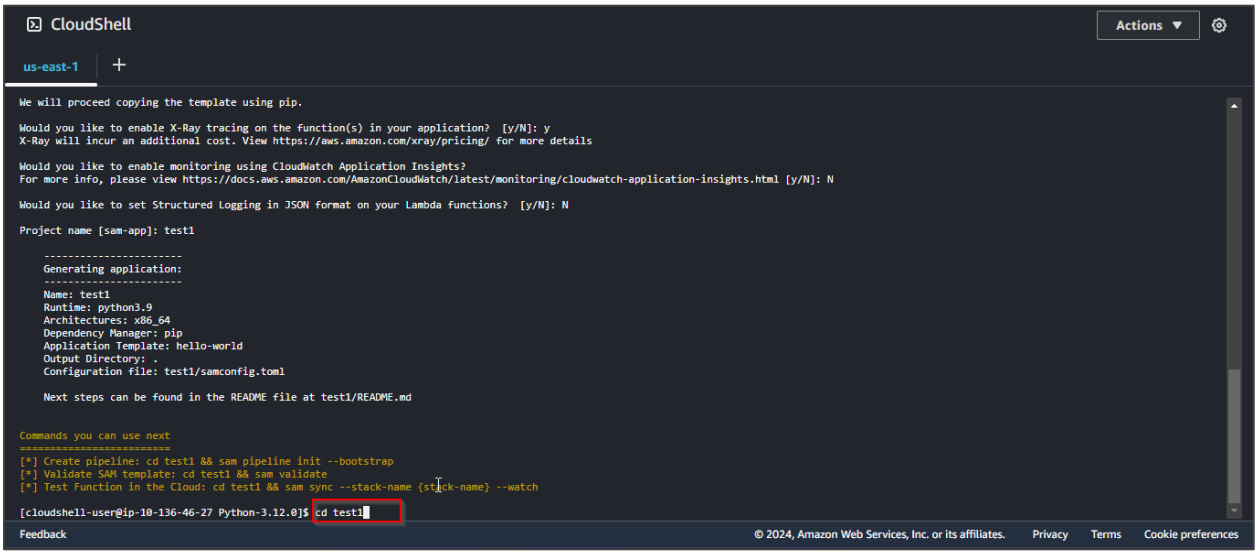
1.10 Disable Structured Logging by entering **N**

1.11 Enter **test1** as the **Project name** (the default is **sam-app**)



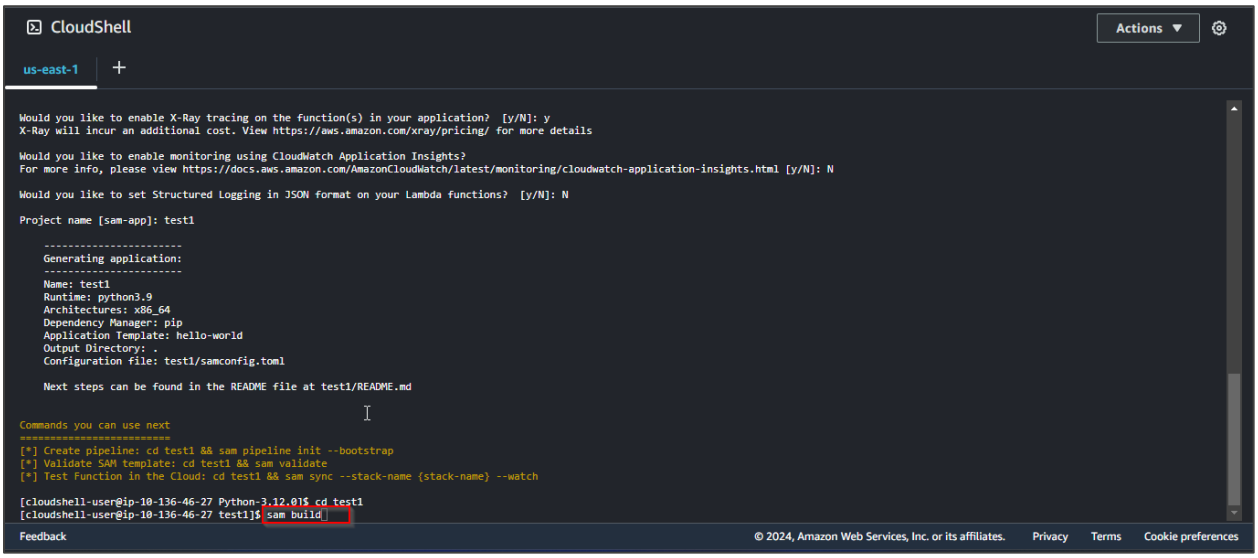
1.12 Run the below command:

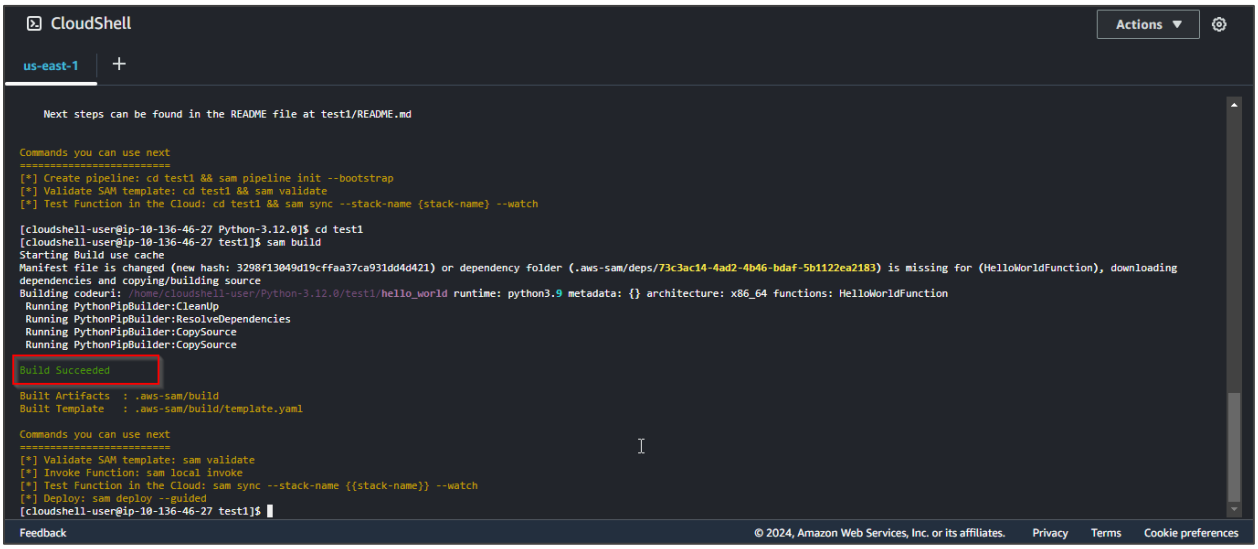
cd test1



1.13 Now, run the below command to build the project:

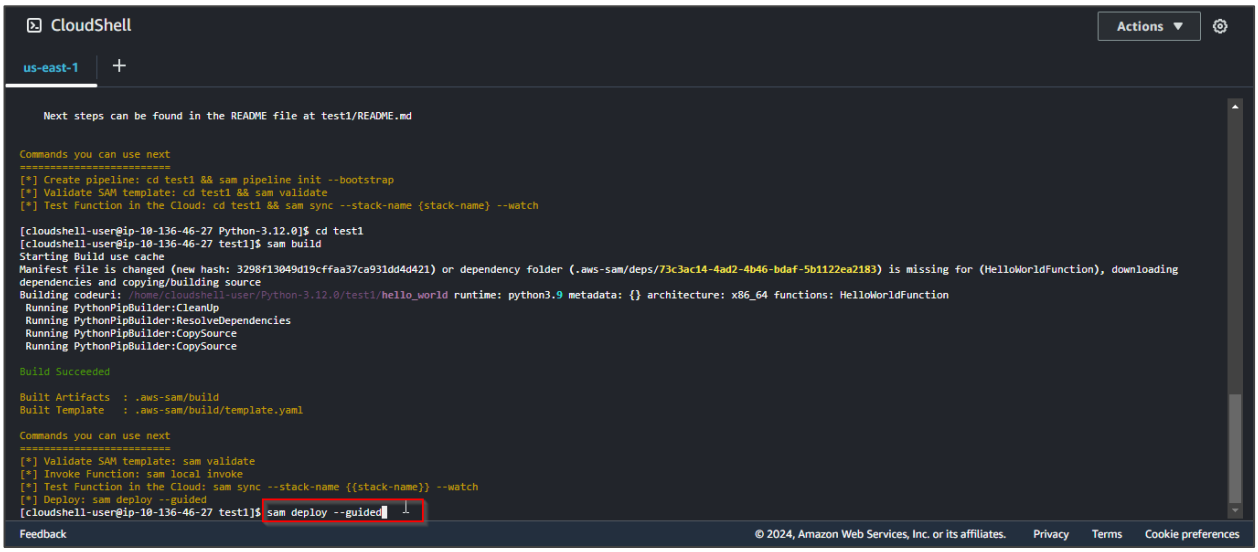
sam build



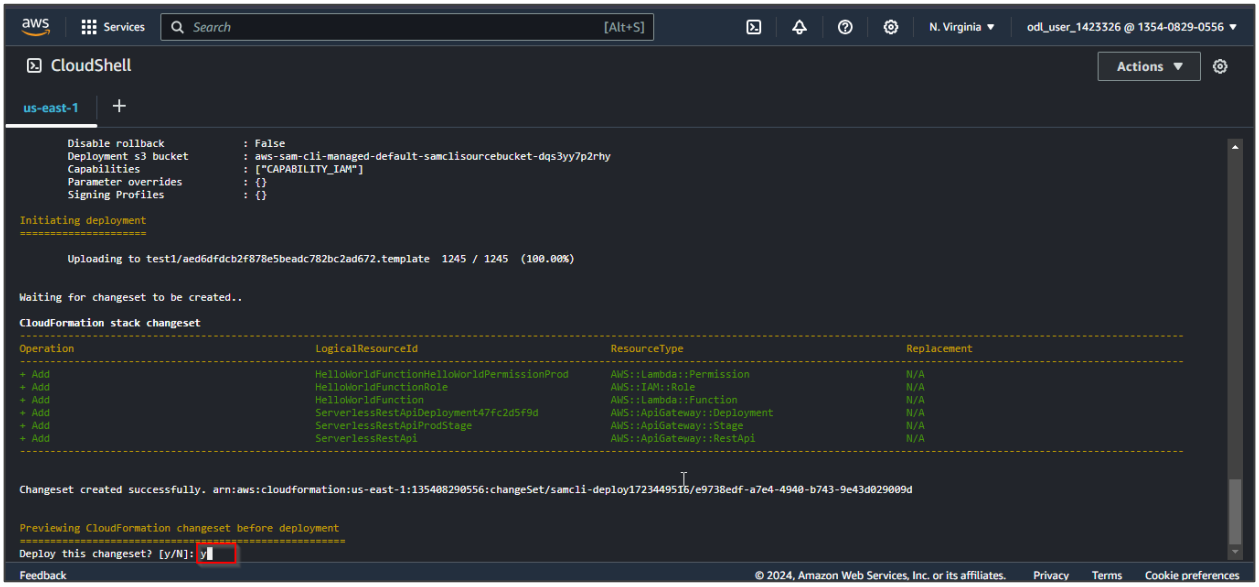


The build is successful.

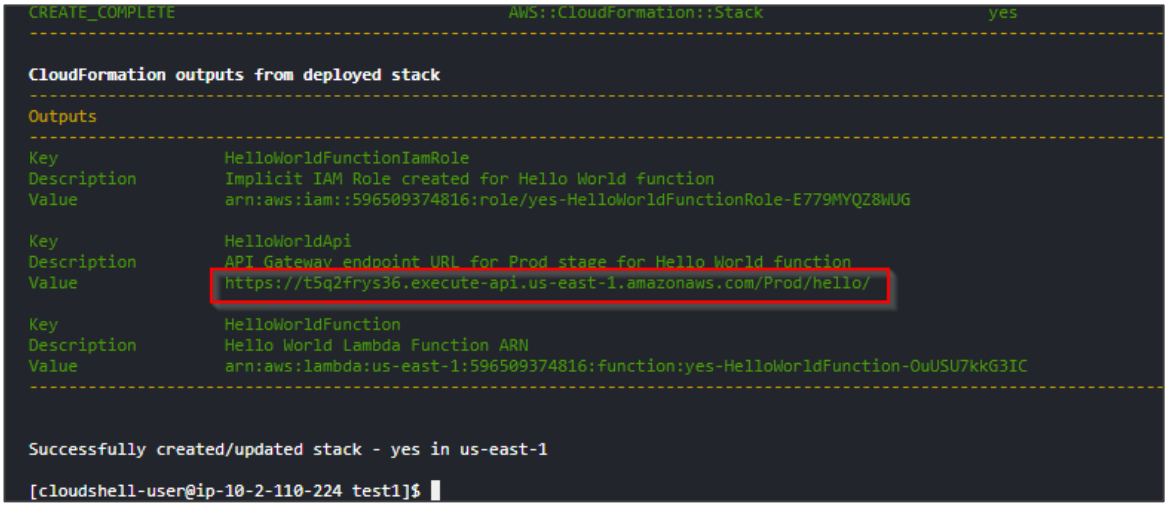
1.14 Execute the command below and provide the values as shown in the screenshot:
sam deploy --guided



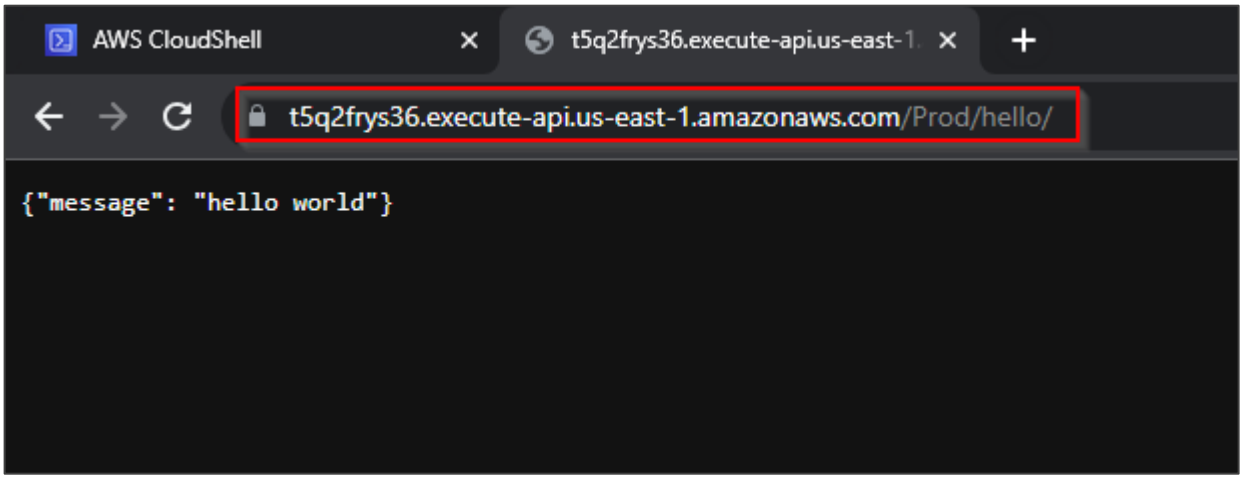
1.15 Confirm the deployment of the changeset by entering **y**



1.16 Copy the URL from the **Outputs** field, specifically the **Value** of **HelloWorldApi**



1.17 Open a new browser tab and paste the URL to access the output:
https://t5q2frys36.execute-api.us-east-1.amazonaws.com/Prod/hello/



By following these steps, you have successfully created a serverless web application on AWS.