



Using AWS Lambda With CLI

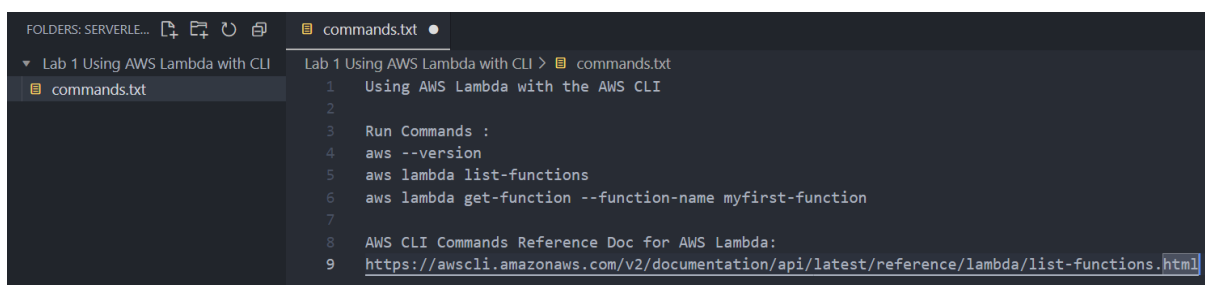
1. In this lab we will use AWS Lambda with CLI but first, we need to configure the access and secret access from our AWS account.
2. For that, you need to log into your AWS account, search for IAM in the console, go to Users, and create a new user by attaching the administrator policy. Afterward, go to Security credentials and scroll down to Access keys then, create an access key and secret access key.
3. Once your key is created then you should open Command Prompt on your local machine, and run this command **`aws configure`**. So, this command will ask you to enter the access key and the secret access key with that it will also ask you to enter a default region of your choice and the default output language should be YAML or JSON.

```
C:\Serverless>aws configure
AWS Access Key ID [*****NB6A]:
AWS Secret Access Key [*****1xjH]:
Default region name [us-east-1]:
Default output format [yaml]:
```

4. Once your user is configured now you can use the CLI command to get the information of your Cloud services.

```
C:\Serverless>aws --version
aws-cli/2.17.34 Python/3.11.9 Windows/10 exe/AMD64
```

5. Now you should create a folder in your system and open that folder in VS Code then here you need to create another folder and then create a text file in it. Now you need to run some commands which you can see in the text file.



```
FOLDERS: SERVERLE...  commands.txt
Lab 1 Using AWS Lambda with CLI > commands.txt
commands.txt
1 Using AWS Lambda with the AWS CLI
2
3 Run Commands :
4 aws --version
5 aws lambda list-functions
6 aws lambda get-function --function-name myfirst-function
7
8 AWS CLI Commands Reference Doc for AWS Lambda:
9 https://awscli.amazonaws.com/v2/documentation/api/latest/reference/lambda/list-functions.html
```

6. So, to run commands first you need to open the terminal in your VS Code then run this command to list all the lambda functions. Below you can see that I have zero functions running so it showed me a blank space.

```
▼ TERMINAL

● PS C:\Serverless> aws lambda list-functions
Functions: []

○ PS C:\Serverless> █
```

7. Now we are going to create a lambda function from the console. So, open lambda and click on the Create function.
8. Choose an author from scratch and then give your function a name and choose runtime as Node.js, click on create function.

☒ Author from scratch
Start with a simple Hello World example.

☐ Use a blueprint
Build a Lambda application from sample code and configuration presets for common use cases.

☐ Container image
Select a container image to deploy for your function.

Basic information

Function name

Enter a name that describes the purpose of your function.

Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (_).

Runtime [Info](#)

Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

▼

Architecture [Info](#)

Choose the instruction set architecture you want for your function code.

☒ x86_64

☐ arm64

9. So, your function has been created now you need to run the list function command again in the VS Code terminal.
10. This time you can see that when you list the function you get the whole information about your function.

