Name - Mikil. Lalwani D15B/37 Advance Dev Ops Lab Experiment 11 Aim-To understand AWS lambda, its workflow, various bunctions and create your first lambda function veing Python/ Java/Node JS. Theory-Jambola

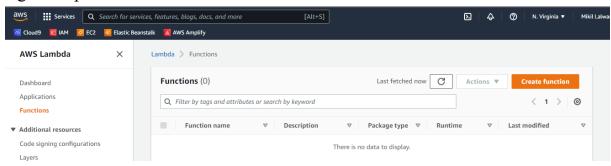
Ahls nis a serverless computing service provided by

Ahls Nser of lambda creates functions self-contained applications written in one of the supported languages in an efficient and flexible manner. The lambda function an perform any kind of computing task, from serving web pages and procusing streams of data to ralling API's and integrating with other Ahls services. The concept of serverless computing reflexs to not needing to maintain your own servers to non those functions. Lambda takes core of all the infrastructure for you. But serverless doesn't mean there are no servers involved, it just means that the servers os and networking is already taken care of. FOR EDUCATIONAL USE

Sundaram

Steps-

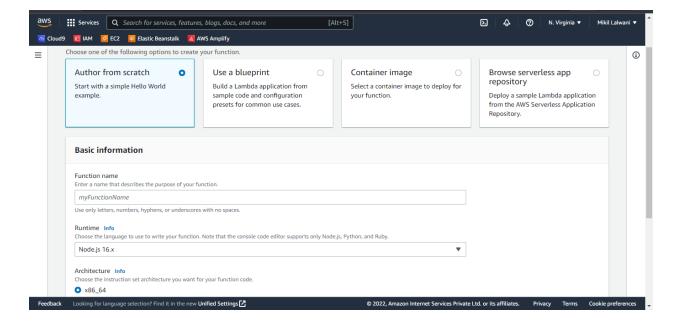
1. Open up the Lambda Console and click on the Create button. Be mindful of where you create your functions since Lambda is region-dependent.

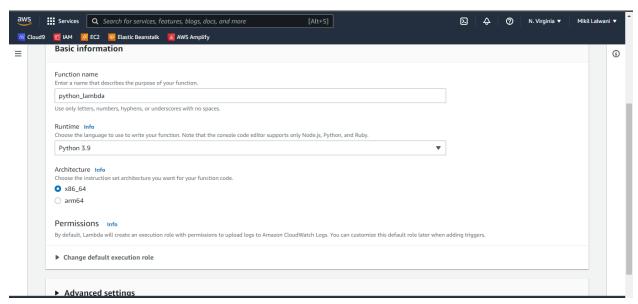


2. Choose to create a function from scratch or use a blueprint, i.e templates defined by AWS for you with all configuration presets required for the most common use cases.

Then, choose a runtime env for your function, under the dropdown, you can see all the options AWS supports, Python, Nodejs, .NET and Java being the most popular ones.

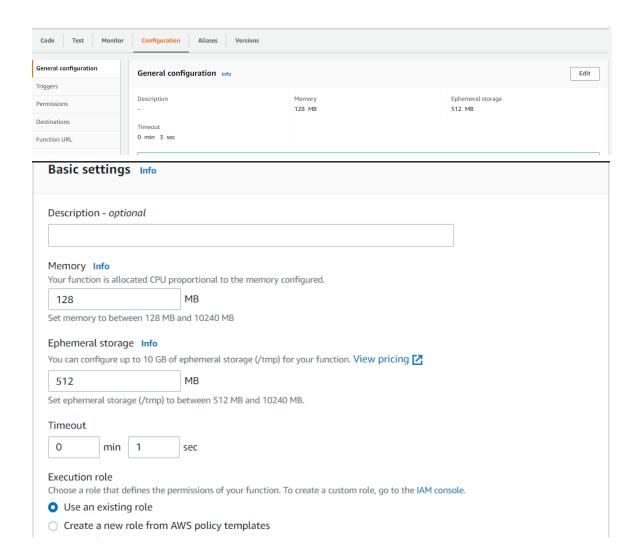
After that, choose to create a new role with basic Lambda permissions if you don't have an existing one.





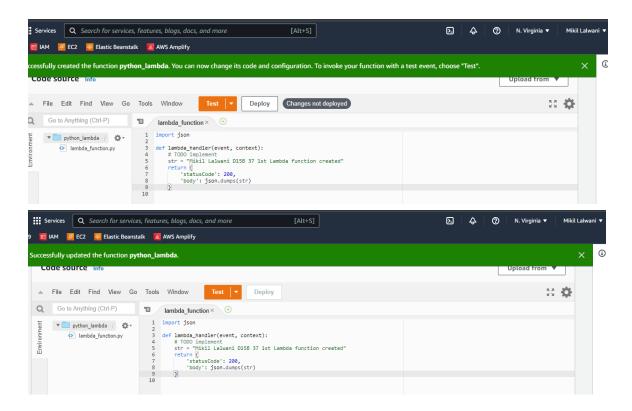
Click on the Create button.

- 3. This process will take a while to finish and after that, you'll get a message that your function was successfully created.
- 4. To change the configuration, open up the Configuration tab, and under General Configuration, choose Edit.
 - Here, you can enter a description and change Memory and Timeout. I've changed the Timeout period to 1 sec since that is sufficient for now.

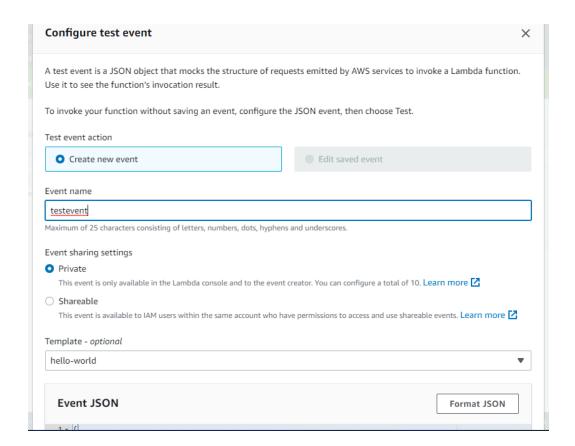


5. You can make changes to your function inside the code editor. You can also upload a zip file of your function or upload one from an S3 bucket if needed.

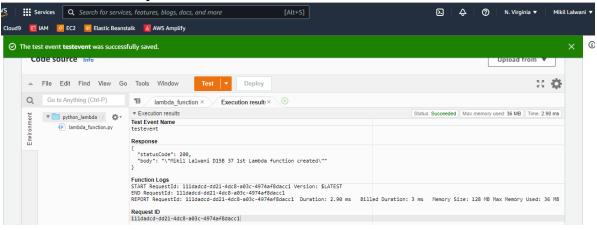
Press Ctrl + S to save the file and click Deploy to deploy the changes.



6. Click on Test and you can change the configuration, like so. If you do not have anything in the request body, it is important to specify two curly braces as valid JSON, so make sure they are there.



7. Now click on Test and you should be able to see the results.



Condosion-We learned to create, deploy and test serveless functions on AHS lambda. FOR EDUCATIONAL USE Sundaram)