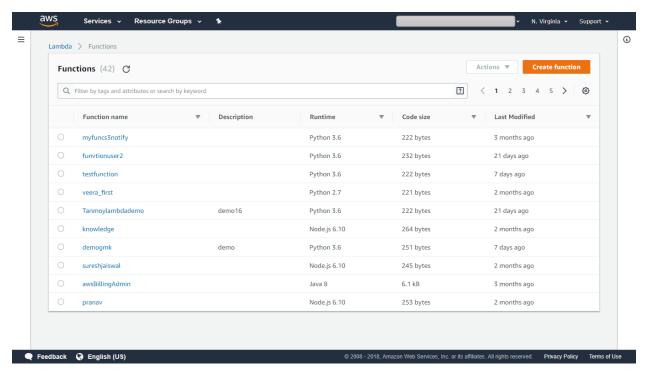


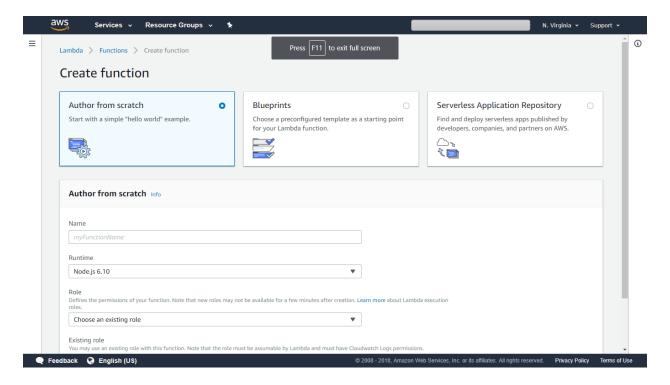
In this document we will discuss with serverless computing model from Amazon called Lambda. AWS lambda allows you to write your application or a small snippet of code to run on a scheduled time or as a background service on behalf of your application.

Let's take a scenario to understand the working principle of AWS Lambda. Create a function to get the objects of the S3 (Simple Storage Service) once the function is triggered it should list the Objects of the S3.

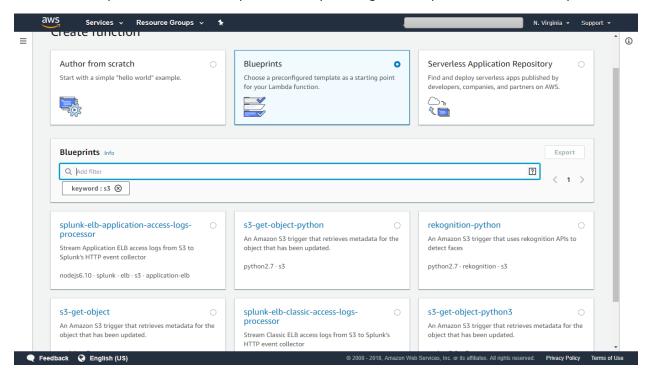
Step1: Lets Proceed with sample blueprint available in the AWS to list the objects of the bucket in S3 using the Python Programming.



Create a function for the implementation of the scenario.



In this scenario proceed with the Blueprint i.e., the preconfigured template available in the options.

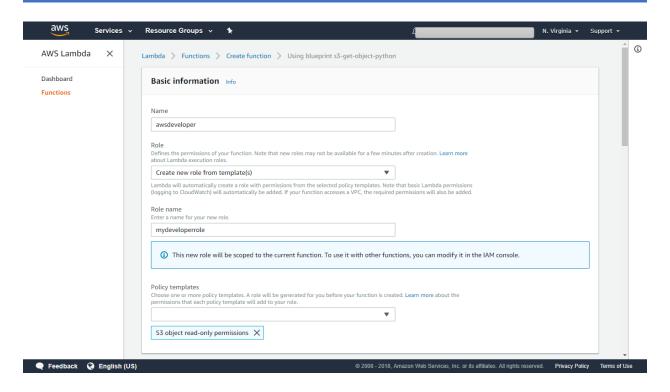


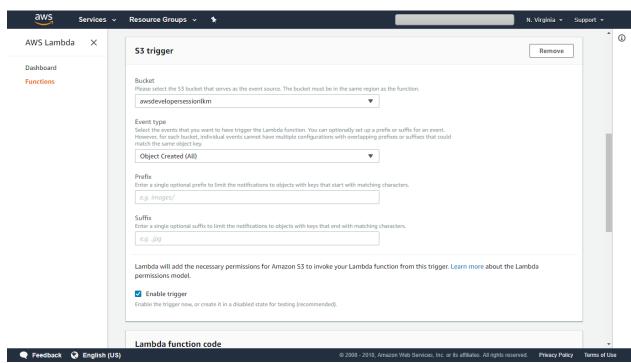
Select S3-get-object-python preconfigured template, once this function is triggered we will get the metadata information of the objects in the bucket.

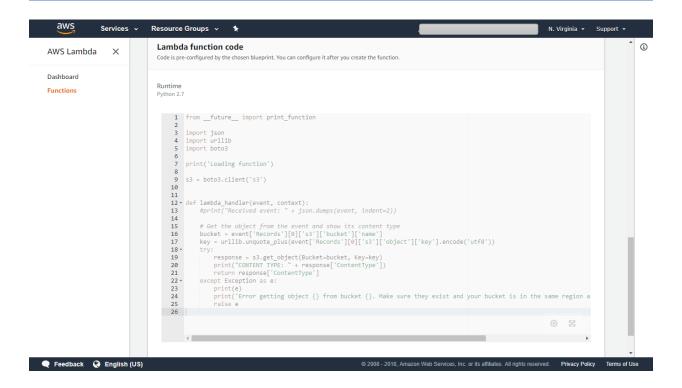
Provide the basic information for the Lambda function and assign the required role to the function to access the required services in AWS.

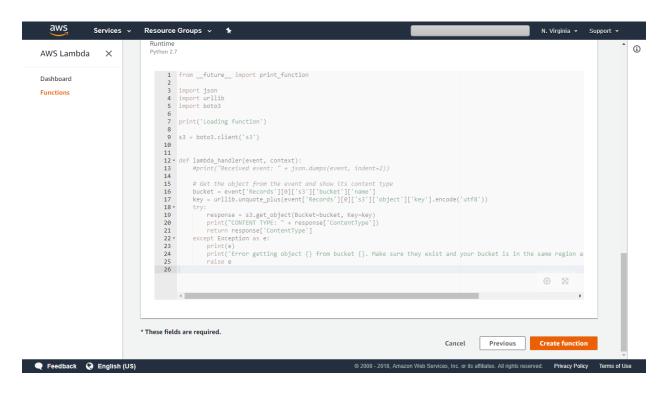
Then select the bucket in which it needs to find the objects metadata information. Since the platform we have chosen is python we can to inline editing of the code. We can also do inline code editing in case of NodeJS as well. If we choose any other platform like Java we need to package the code with the procedure given by AWS.

Also, in python if any external library is used other than the python system library and boto3 Module then also we need to create it as a package as per the procedure.

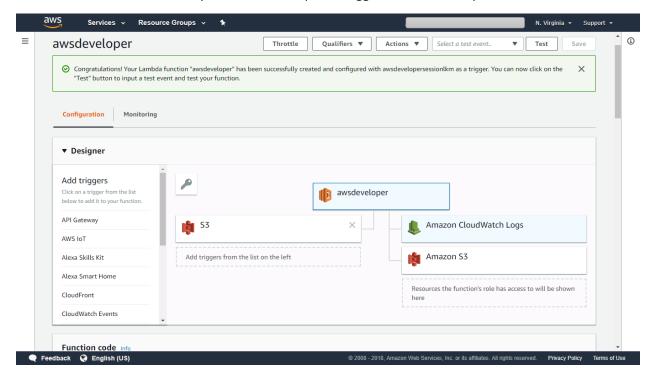


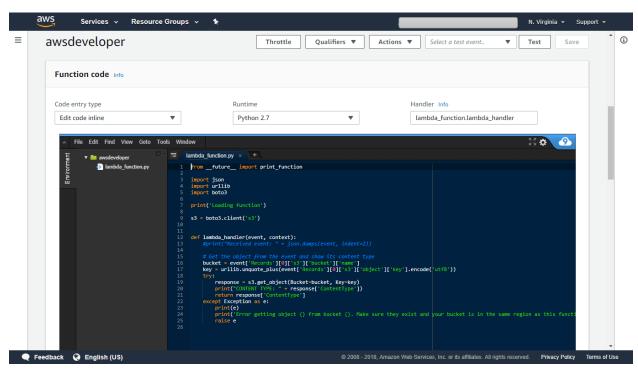


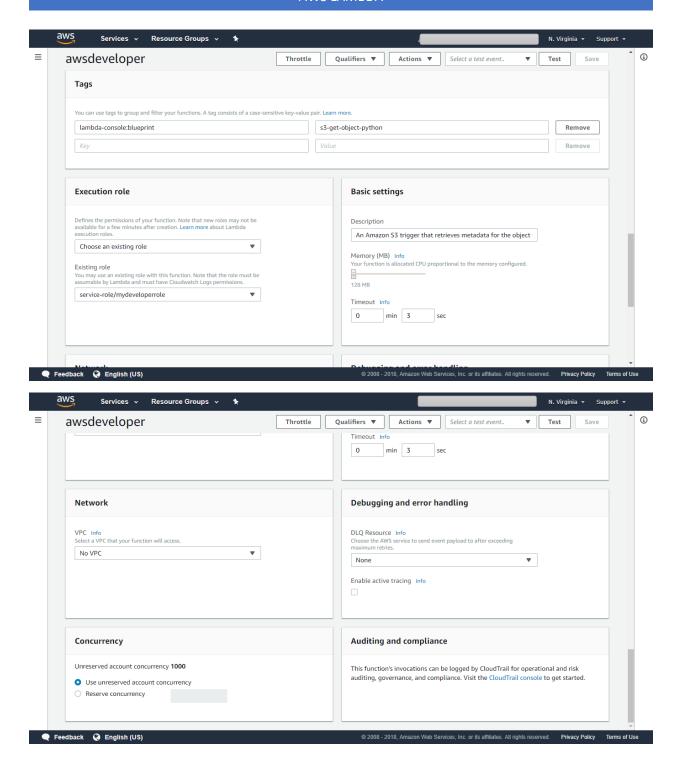


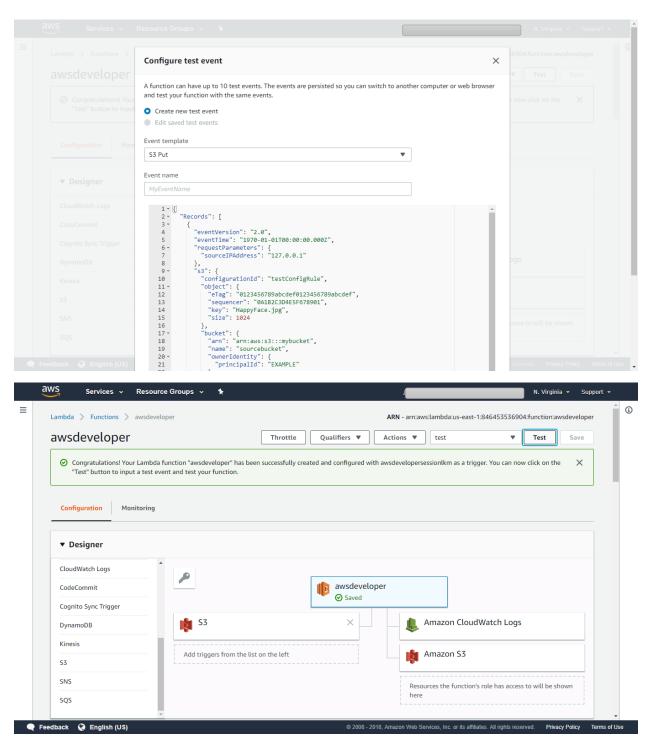


Now the function is successfully created with required triggers and resource permissions









Let's proceed with the Testing of a function by manual trigger. We will be able to get the bucket objects Metadata information.

Hope you all uncovering the document accessible and useful.

If you have any demanding question which is mentioned in the document, please feel free to contact us.

Happy Learning

LKM