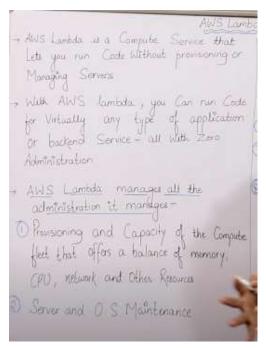
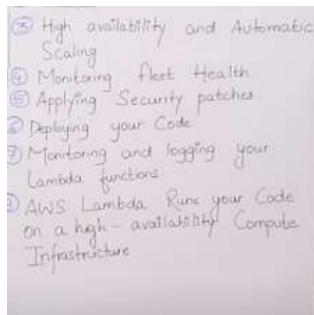
#### 1.Serverless compute on AWS | What is AWS Lambda





All'S Lamoda rury your Code on a high-availability Compute Topastructure.

All'S Lamoda executes your Code only when needed and Scales Automotically hom a few requests per day to thousands per Second 196m3 - 100 m/s.

You pay only for the Compute time you consume. No Change when your Code is not running.

All you need to do it Supply your Code in the form of the or more lambda functions to Aus Lambda. In One of the lampages that All'S Lambda dupports Courenty Node is Java. Poutoitell of Ruby Python & Go.) and the Service can run the Code on your behalf

Typically the lifecule for an AWS lambda based application includes authorize Code, deploying Code to AWS lambda and their monitoring and trouble-shooting.

This is in exchange for flexibility, which means you Cannot log into Compute Instances or Customize the Operating System or Language Runtime.

If you do want to manage your own Compute, you can use ECL or Elastic Beardalk.

# How Lambeta horses? - First you upload your Coole to Lambeta in the or more I Lambda function - AWS Lambda will then execute the Code in your behalf - After the Code is invoked, Lambda automatically take Care of provisioning and Managing the Required Servers

#### Difference between AWS LAMBDA and AWS EC2:

AWS ECZ is an Infrastructure as a Service

The Environment Restrictions, you can
Run any Code or Language

For the first time in ECZ, you have
to Choose the O.S. and Instalt all
the deftware required and then publication. Code in ECZ

You Can Select Wirety of O.S., instance
types, melwork & Security Patches,
RAM, & CPU etc.

ANS Lambola

Alus Lambola

Alu

Important Terms were

Important Terms were

In Australia A function is a resource

that you can invoke to turn your Code

to Australia A function has

Code that processes Events, and

a runtime that basses Request and

Responses between Lambda and the

function Code

Runtimed Lambda Runtimes allows functions

in different languages to turn in the

Same base execution Environment. The

runtime sets in between the lambda

Newice and your function Code of

telaging invocation events, Contest information

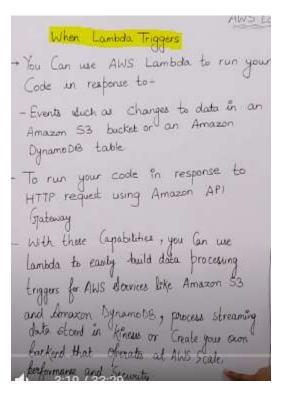
and Responses between the two

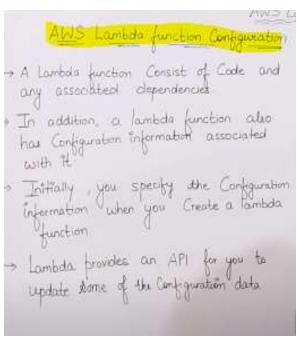
That Contains data for a function to process

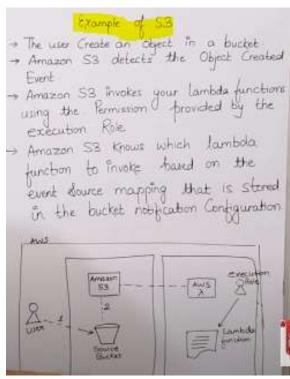
(a) Event Source/Tragger - An AWS Service Such as Amazon Stall, or a Lustern Service that tragger year function and Executes its logic

(b) Downstream Resource: An AWS Service, Such as Dynamable tables or \$3 Buttets; that bear lambda function (alls must it is triggered)

## Invocation types | AWS Lambda Trigger | AWS Serverless







Lambdo function Configuration information includes the following Key demonsts:

Compute Resource that you need

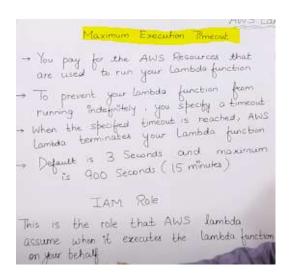
You only specify the amount of memory you want to allocate from your lambda function

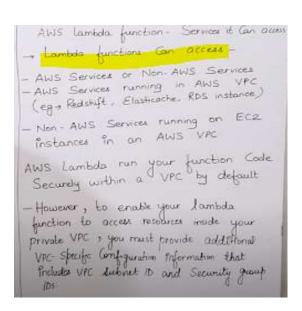
AWS Lambda allocates, CPU power proportional to the memory by using the same ratio as a general purpose amozon EC2 instance type, Such as an IM3 type

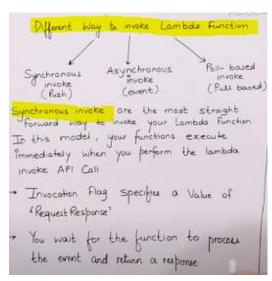
You Can update the Configuration and Request additional memory in 64MB increments from 128MB to 3008MB

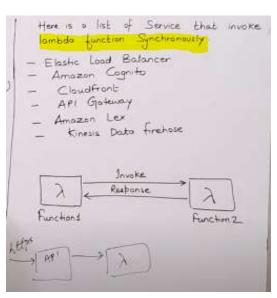
Functions larger than 1536MB ask

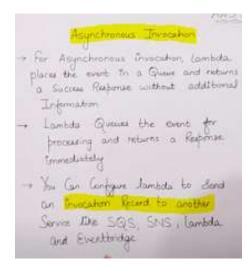
Who cated Mustifit CNU Threads

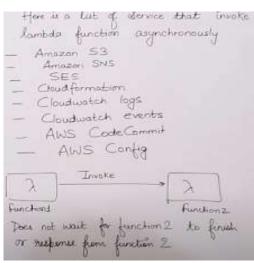


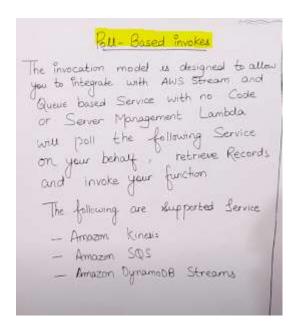


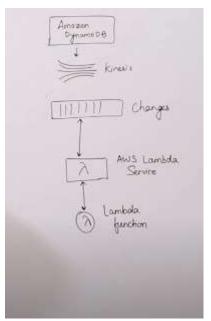




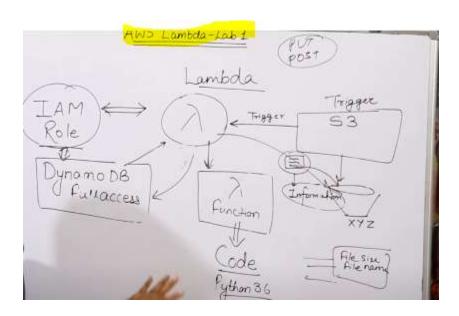


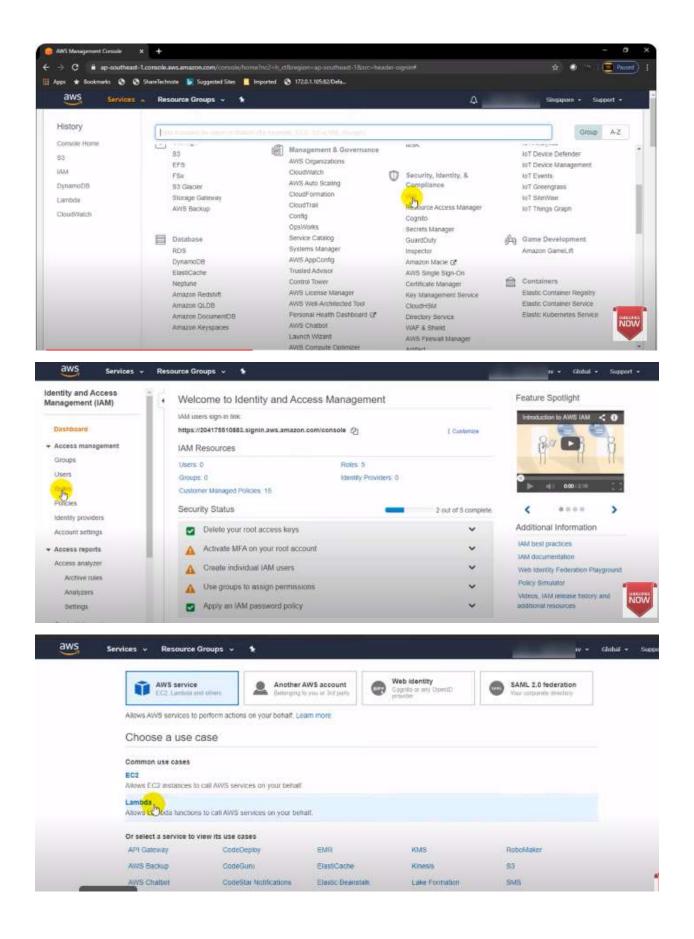


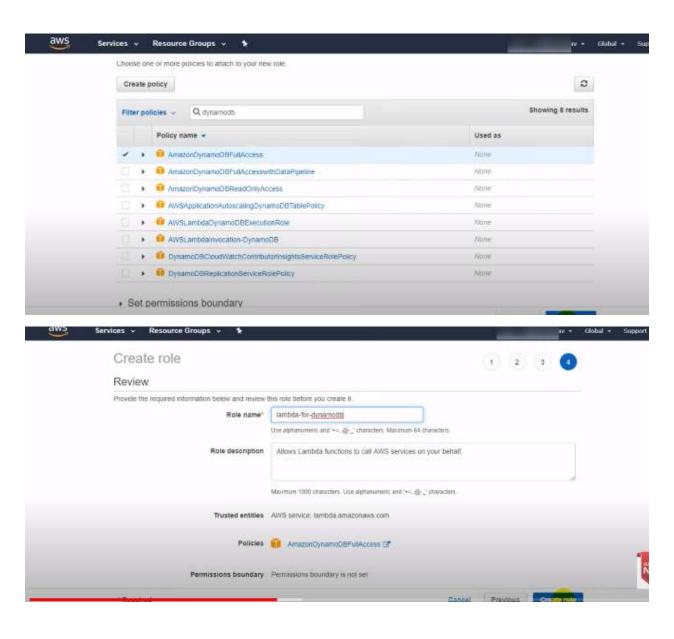


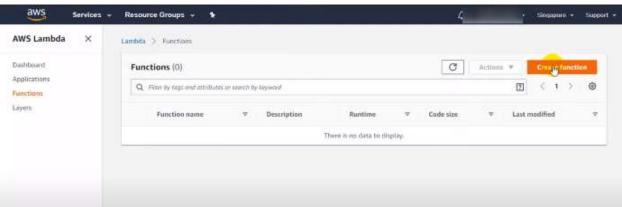


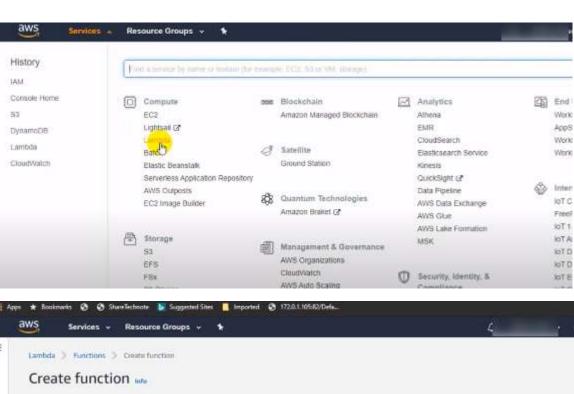
## Setup S3 Trigger with Lambda and dynamo DB

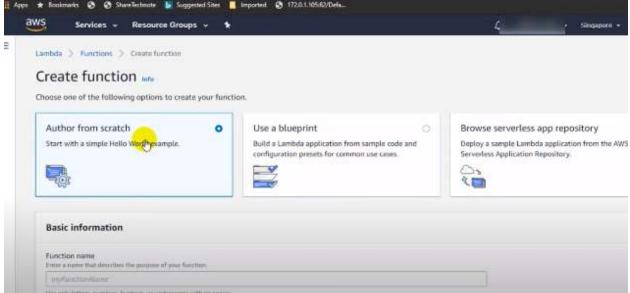




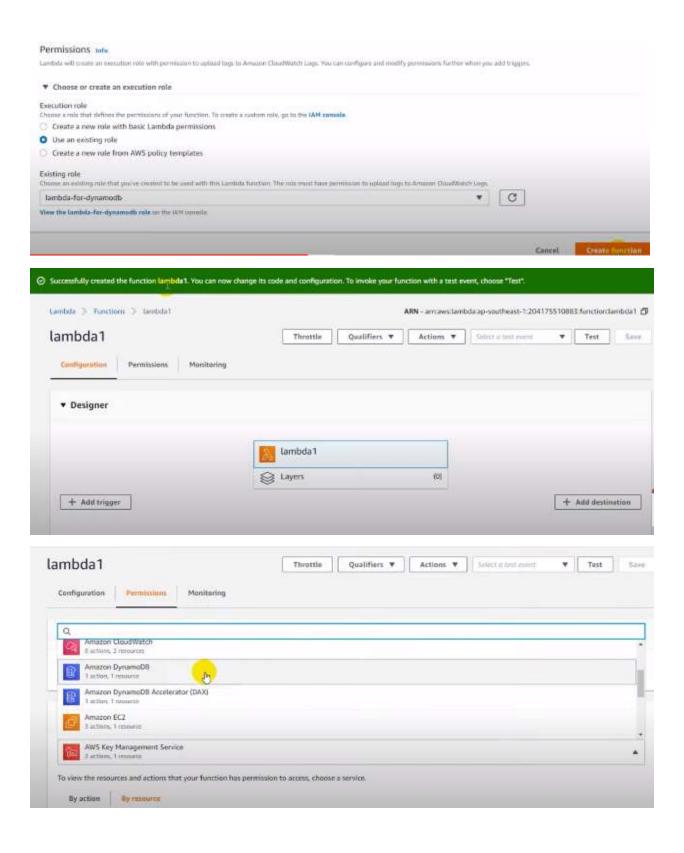


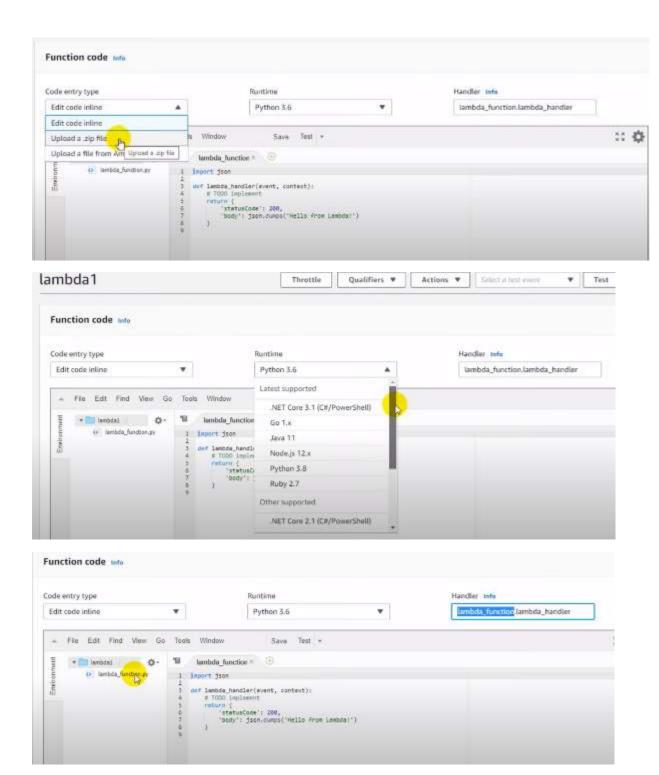










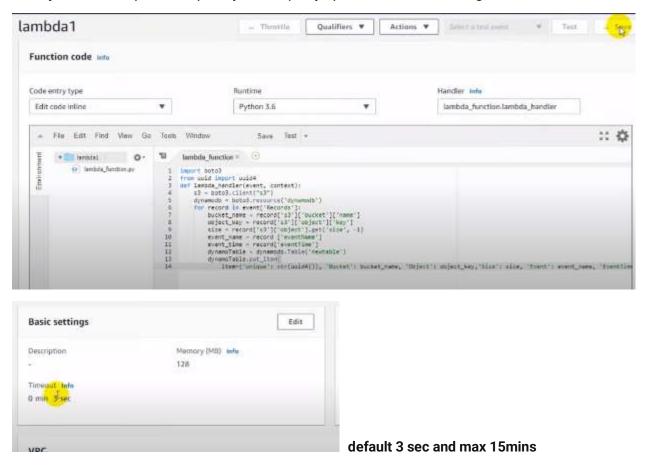


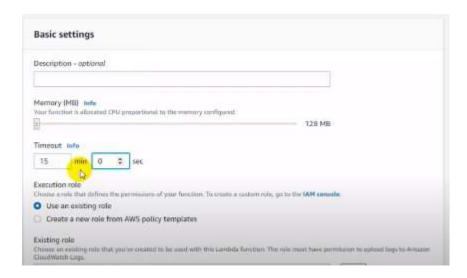
Code used in this Lab\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

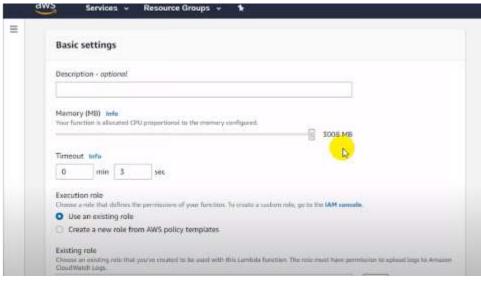
import boto3

from uuid import uuid4

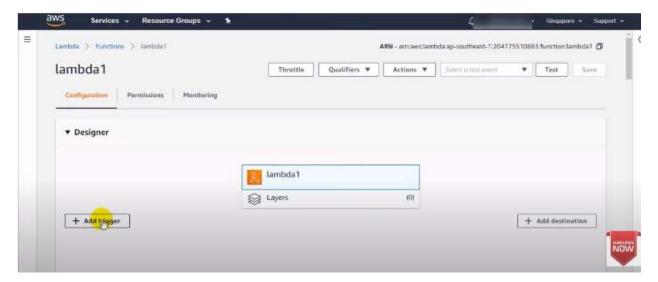
#### /\* Only table name (new table) and partition(unique) name should be change\*/







max -3008



Memory min -128

