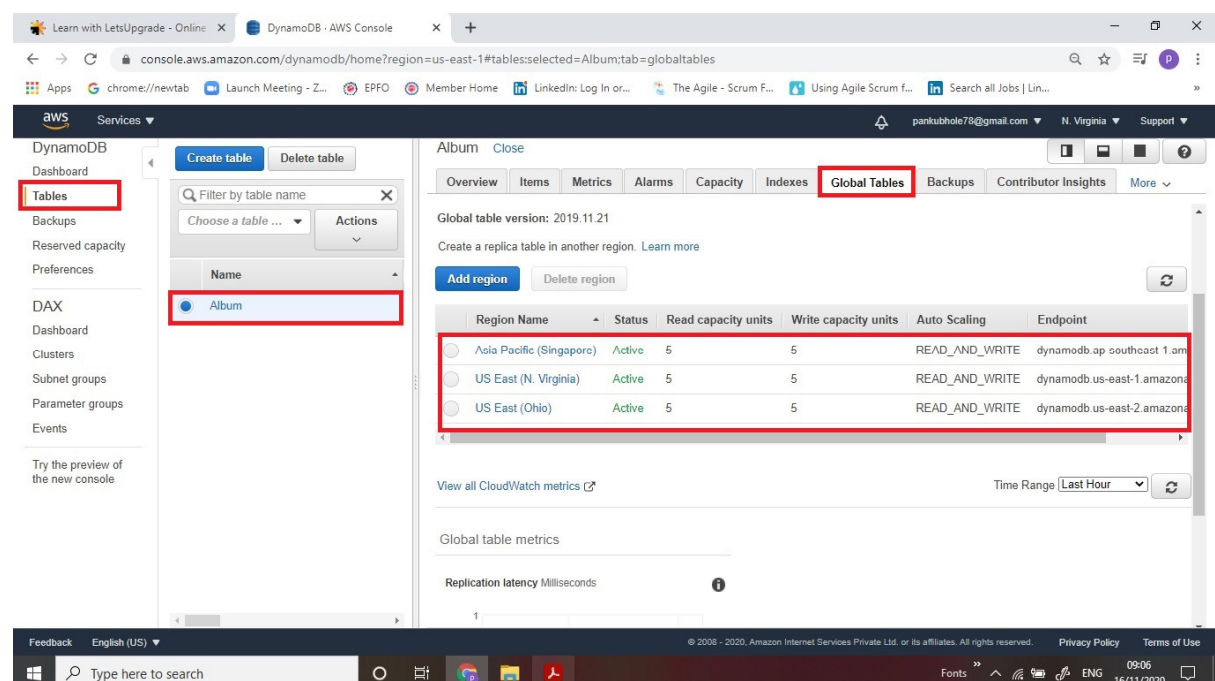
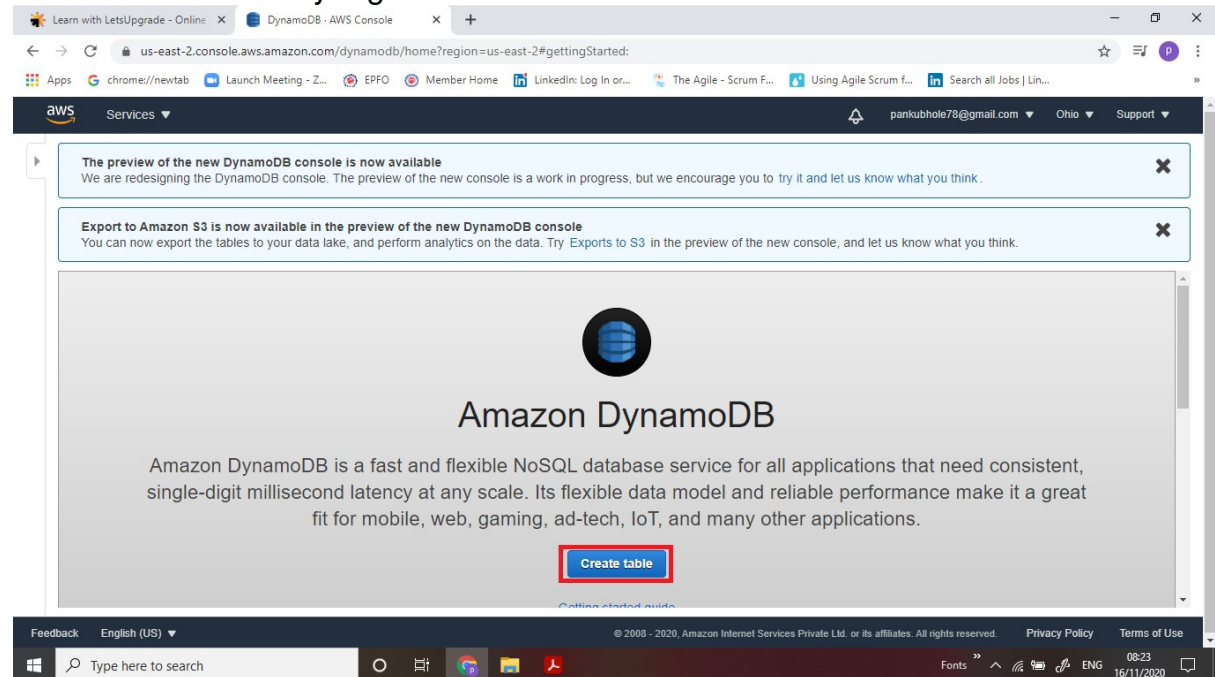


Assignment Day 12 | 8th November 2020

Question 1:

Task 1: Create a dynamo DB table with minimum two disaster recovery zones and verify Replication.

ss1: Disaster recovery regions with the table



ss2: Home region with all items displayed

The screenshot shows the AWS DynamoDB console interface. On the left sidebar, the 'Tables' tab is selected. In the main content area, the 'Album' table is chosen. The 'Items' tab is active, displaying a list of items. The table has two columns: 'Actors' and 'Song'. The items are as follows:

Actors	Song
Ajay Devgan	I love you india
Akshay Kumar	O dilbhar
Amithab Bacchan	O sathi Re
Diva Bharati	Asi devangi
Jitendra	Thumat aali tar

ss3: Use query to fetch few items

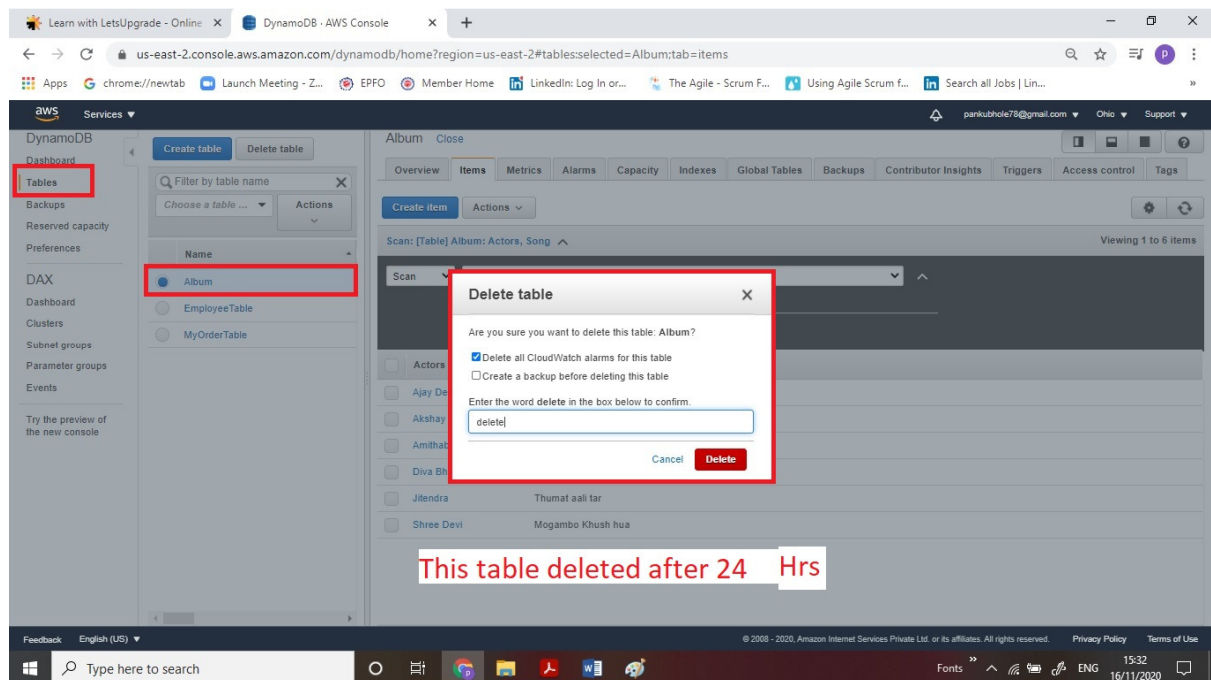
The screenshot shows the AWS DynamoDB console interface. On the left sidebar, the 'Tables' tab is selected. In the main content area, the 'MyOrderTable' is chosen. The 'Items' tab is active, displaying a query result. The query is: 'Query: [Table] MyOrderTable: UserName, OrderId'. The query parameters are:

- Partition key: UserName
- Sort key: OrderId
- Filter: ReturnDate (String) Between 03052017 And 05062019
- Sort: Ascending

The query result shows one item:

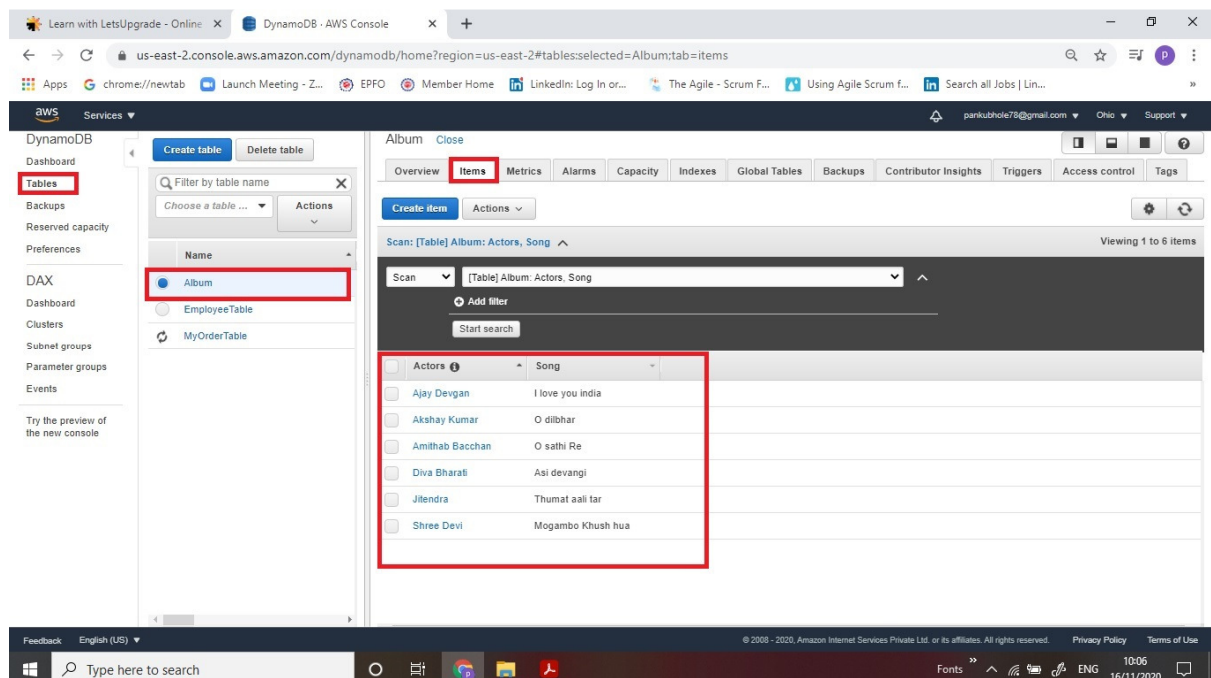
UserName	OrderId	UserAmount	ReturnDate
Deepak	245545221	50000	03052017

ss4: deletion and verification



Task 2: Creating a dynamo DB table with global secondary indexes and fetching data using global Secondary indexes.

ss1: Table with its items displayed



ss2: Creating global secondary index

The screenshot shows the AWS DynamoDB console interface. On the left sidebar, the 'Tables' tab is selected. In the main panel, the 'MyOrderTable' is selected, and the 'Indexes' tab is active. A table with the following details is shown:

Name	Status	Type	Partition key	Sort key	Attributes	Read capacity	Write capacity	Size	Item
ReturnDate-UserAmount	Creating	GSI	ReturnDate (String)	UserAmount (String)	ALL	5	5	0 bytes	0

ss3: scan with global secondary index

The screenshot shows the AWS DynamoDB console interface. On the left sidebar, the 'Tables' tab is selected. In the main panel, the 'MyOrderTable' is selected, and the 'Items' tab is active. A scan operation is being performed on the 'ReturnDate-UserAmount-index'. The scan filter is set to 'ReturnDate' between '03052017' and '05062019'. The results show two items:

UserName	OrderId	UserAmount	ReturnDate
Deepak	245545221	50000	03052017
Kishore	2121545	220202	05062019

Task 3: Deploying a python application in elastic beanstalk

ss1: Application page

The screenshot shows the AWS Elastic Beanstalk console. The left sidebar has a menu with 'Environments' and 'Applications'. The 'Applications' link is highlighted with a red box. The main content area is titled 'All applications' and contains a table with the following data:

Application name	Environments	Date created	Last modified	ARN
PythonApp	Pythonapp-env	2020-11-16 15:58:37 UTC+0530	2020-11-16 15:58:37 UTC+0530	arn:aws:elasticbeanstalk:us-east-2:618639665310:application/PythonApp

ss2: Env list page

The screenshot shows the AWS Elastic Beanstalk console. The left sidebar has a menu with 'Environments' and 'Applications'. The 'Environments' link is highlighted with a red box. The main content area is titled 'Environments' and contains a table with the following data:

Environment name	Application	Date created	Last modified	Health
Pythonapp-env	PythonApp	2020-11-16 15:58:37 UTC+0530	2020-11-16 15:58:37 UTC+0530	Ok

Learn with LetsUpgrade - Online x Pythonapp-env - Dashboard x Instances | EC2 Management Console

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:sort=instanceId

Services

New EC2 Experience

Launch Instance Connect Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs	Key Name
Pythonapp-env	i-0070692c51b47665	t2.micro	us-east-2a	running	2/2 checks ...	None	ec2-3-129-217-211.us-east-2.compute.amazonaws.com	3.129.217.211	-	-

Instance: i-0070692c51b47665 (Pythonapp-env) Public DNS: ec2-3-129-217-211.us-east-2.compute.amazonaws.com

Description Status Checks Monitoring Tags

Instance ID i-0070692c51b47665

Instance state running

Instance type t2.micro

Finding Opt-in to AWS Compute Optimizer for recommendations. Learn

Private DNS ip-172-31-11-204.us-east-2.compute.internal

Private IPs 172.31.11.204

Secondary private IPs

VPC ID vpc-129c3e79

Platform Other Linux

Platform details Linux/UNIX

Usage operation RunInstances

Source/dest. check True

T2/T3 Unlimited Disabled

Public DNS (IPv4) ec2-3-129-217-211.us-east-2.compute.amazonaws.com

IPv4 Public IP 3.129.217.211

IPv6 IPs -

Elastic IPs -

Availability zone us-east-2a

Security groups aws-elasticbeanstalk-ec2-role-1NHYCQUBAD3WQ view inbound rules view outbound rules

Scheduled events No scheduled events

AMI ID aws-elasticbeanstalk-ec2-role-018c959637d3bcb4b

Subnet ID subnet-e23af089

IAM role aws-elasticbeanstalk-ec2-role

Key pair name -

Feedback English (US)

Type here to search

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ss3: Env health status page

Learn with LetsUpgrade - Online x Elastic Beanstalk Environments x

us-east-2.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-2#/environments

Services

Elastic Beanstalk

Environments

Applications

All environments

Filter results matching the display values

Environment name	Health	Application name	Date created	Last modified	URL	Running versions	Platform	Platform state	Tier name
Pythonapp-env	OK	PythonApp	2020-11-16 15:58:46 UTC+05:30	2020-11-16 16:01:55 UTC+05:30	Pythonapp-env.elasticbeanstalk.com	Sample Application	Python 3.7 running on 64bit Amazon Linux 2	Supported	WebServer

Feedback English (US)

Type here to search

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ss4: Web page launched using the elastic beanstalk env

If you're using a custom instance profile, your environment might be impacted and might need a configuration update. To learn more, see [Enhanced health authorization](#) in the [AWS Elastic Beanstalk Developer Guide](#).

Pythonappworkstationenv-env
blue123-us-east-2-elasticbeanstalk.com | le-paulagr531
Application name: PythonAppWorkstationenv

Health
Ok
Causes

Running version
pythonappworkstationenv-source-1
Upload and deploy

Platform
Python 3.7 running on 64bit Amazon Linux 2/3.1.3
Change

Recent events
Show all

Time	Type	Details
2020-11-16 17:01:03 UTC+0530	INFO	Environment update completed successfully.
2020-11-16 17:01:03 UTC+0530	INFO	New application version was deployed to running EC2 instances.

Congratulations

Your first AWS Elastic Beanstalk Python Application is now running on your own dedicated environment in the AWS Cloud

This environment is launched with Elastic Beanstalk Python Platform

What's Next?

- [AWS Elastic Beanstalk overview](#)
- [AWS Elastic Beanstalk concepts](#)
- [Deploy a Django Application to AWS Elastic Beanstalk](#)
- [Deploy a Flask Application to AWS Elastic Beanstalk](#)
- [Customizing and Configuring a Python Container](#)
- [Working with Logs](#)