Advance AWS

AWS Project- 2 (Day -12)

Student:

Kishore Shinde

Teacher:

Mrs. Vinolin Jeremiah

Course:

Advance AWS Cloud Computing with DevOps Fundamentals

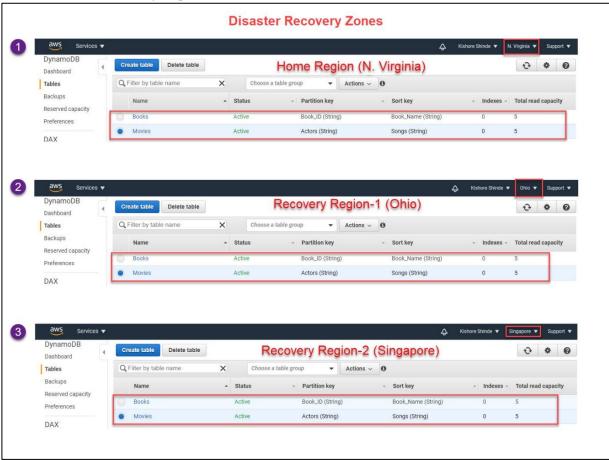
Institute:

Lets Upgrade

Project 2: Creating and Testing Dynamo DB table for Disaster recovery, fetching data using Global secondary indexes & deploying a phyton application in Elastic Beanstalk.

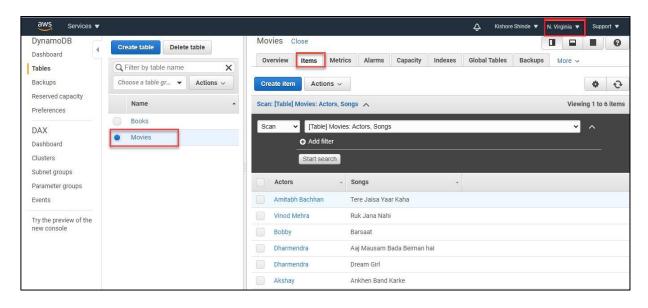
Task 1 : Create a Dynamo DB table with minimum two disaster recovery zones and verify replication.





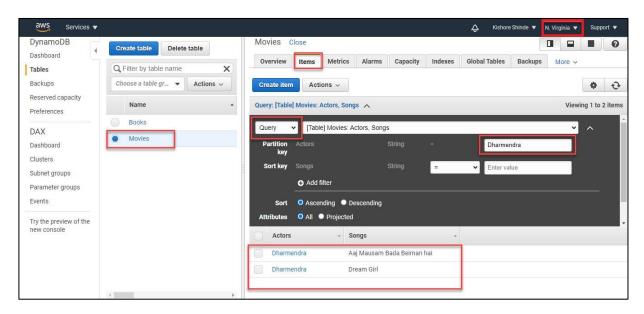
S. No.	Name	Region	Table/s Replicated
1.	Home Region	N. Virginia	 Movies
2.	Recovery Region -1	Ohio	 Movies
3.	Recovery Region -2	Singapore	Movies

SS2: Home region with all items displayed



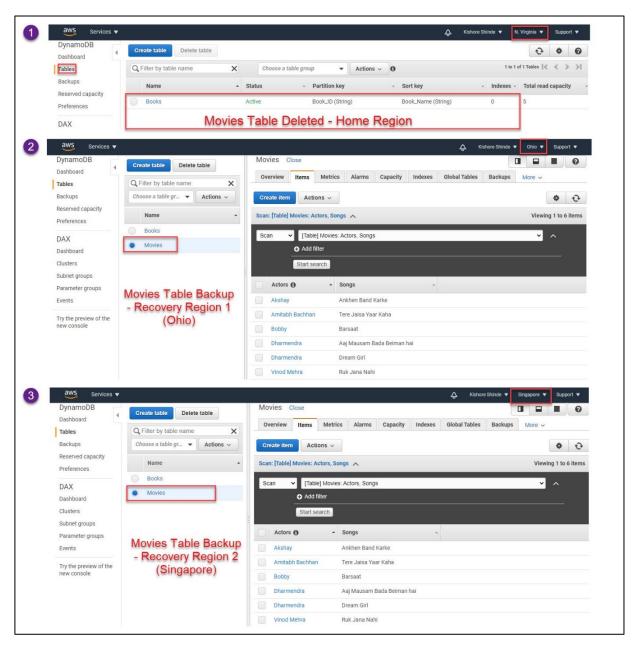
Sr. No.	Region	Table	Items
1	N. Virginia	Movies	Actors
			Songs

SS3 : Use query to fetch few items



Sr. No	Table Name	Query Field/Search String	Output
1	Movies	Field : Actors	Fetched two records for the
		Search String: "Dharmendra"	specified search criteria.

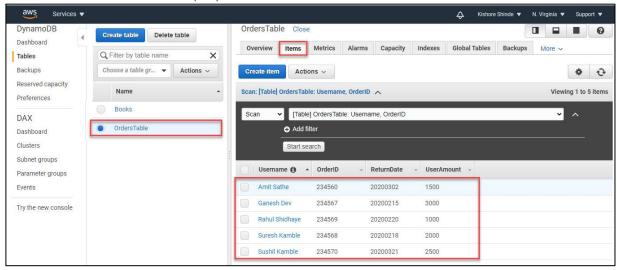
SS4: Deletion and Verification



Sr. No.	Region	Region Details	Table	Status
1	N. Virginia	Home Region	Movies	Deleted
2	Ohio	Recovery Region -1	Movies	Present
3	Singapore	Recovery Region -2	Movies	Present

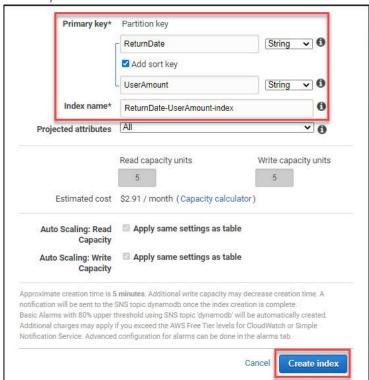
Task 2: Creating a Dynamo DB table with global secondary indexes and fetching data using global secondary indexes.

SS1: Table with its item displayed



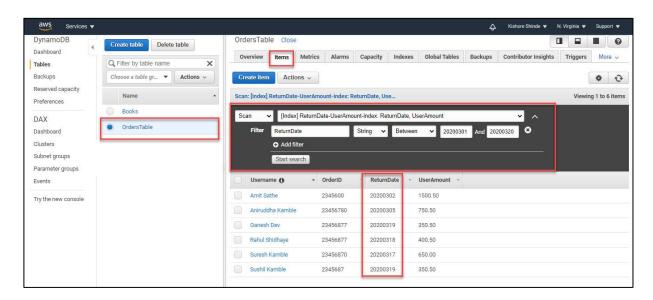
Sr. No.	Table Name	Items
1.	OrdersTable	Username, OrderID, ReturnDate, UserAmount

SS2: Creating Secondary Global Index



Sr. No.	Partition key	Sort key	Index name
1.	ReturnDate	UserAmount	ReturnDate-UserAmount-index

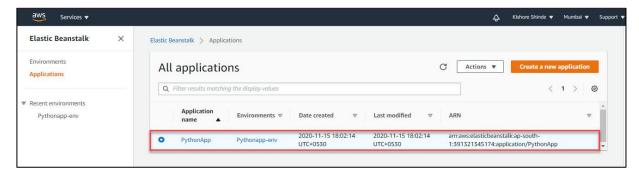
SS3: Scan with Global Secondary Index



Sr.	Table Name	Scan Index	Filter/Criteria	Output
No.				
1	OrdersTable	ReturnDate-	ReturnDate Between	Fetched six
		UserAmount-index	'20200301 ' And	records for the
			'20200320'	specified search
				criteria.

Task 3: Deploying a Python Application in Elastic Beanstalk

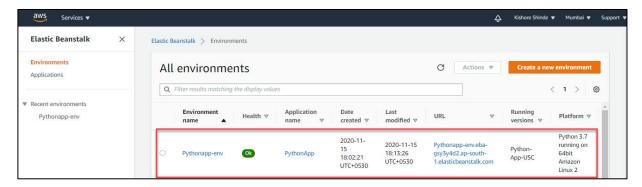
SS1: Application Page



Application Name : PythonApp

• Environments : Pythonapp-env

SS2: Environment List Page

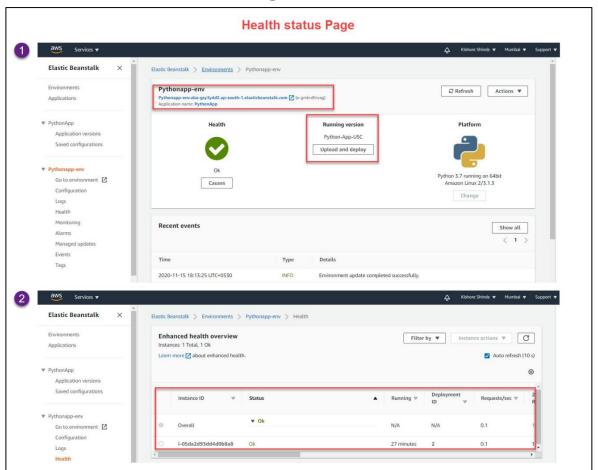


Environment name : Pythonapp-env

• Health : Ok

• Application name : PythonApp

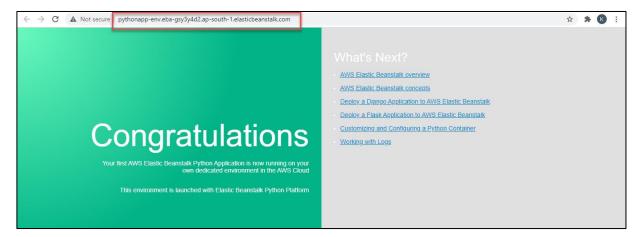
SS3: Environment Health Status Page



Sr. No	Environment Name	Running Version	Platform	Health
1.	Pythonapp-env	Python-App-USC	Python 3.7	Ok

DNS Name: Pythonapp-env-eba-gsy3y4d2.ap-south-1.elasticbeanstalk.com

SS4: Web Page launched using Elastic Beanstalk



- DNS Name: Pythonapp-env-eba-gsy3y4d2.ap-south-1.elasticbeanstalk.com
- Message: The Environment is launched with Elastic Beanstalk Python Platform

xxx---Project 2 Ends Here--xxx