

CDAC MUMBAI

PG_DAC March2022 batch (Juhu & Kharghar)

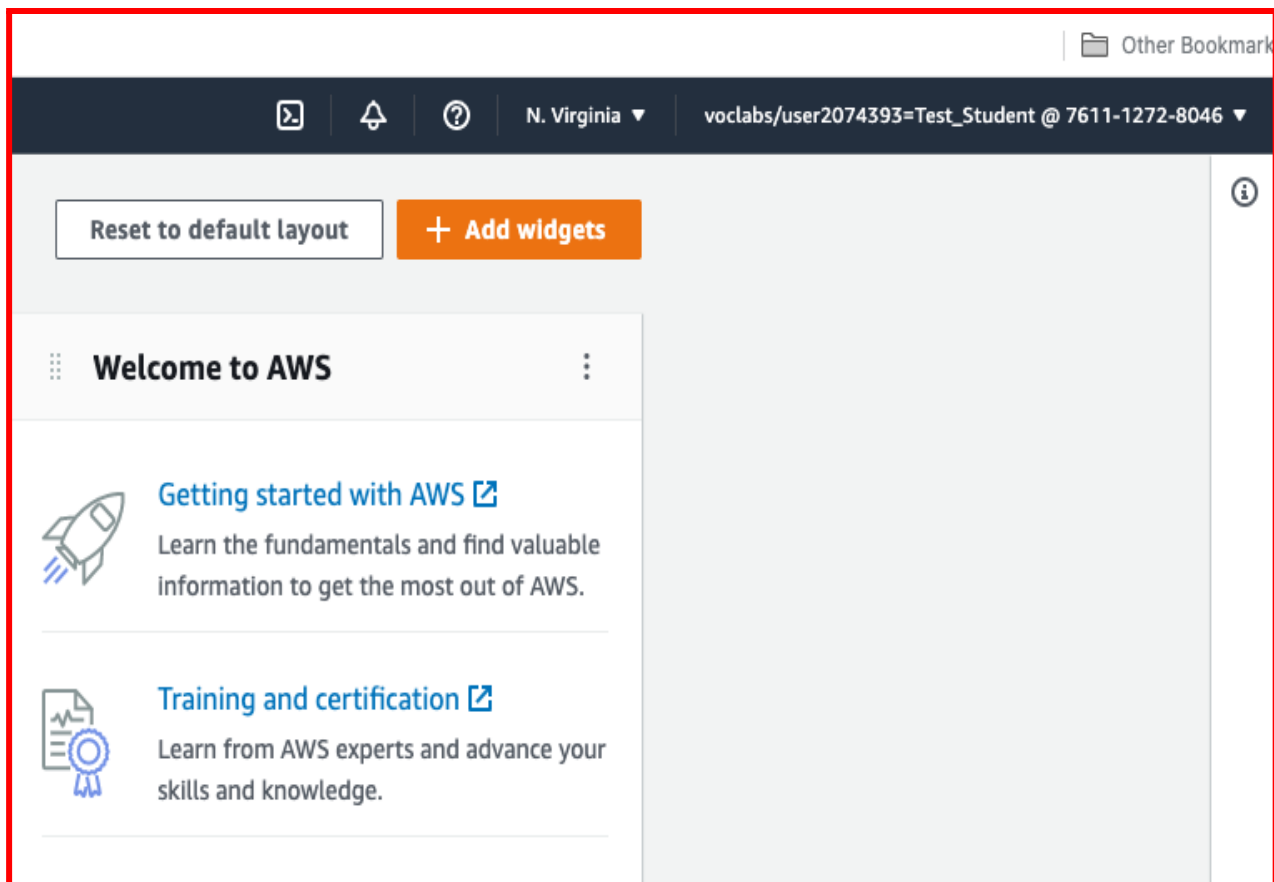
Module : Software Development Methodologies

Time : 2hrs

Marks : 40

Important Notes :

1. This is an open book test that means you are allowed to take help from the internet/notes.
2. No step marking means if you complete a task completely then only you get marks for completed task.
3. Submission of test:
 - a. Create a word file with <3_Digit_prn_number>_<first_name>_<Center>
 - b. Add screenshot of completed tasks with username as shown in below screenshot.

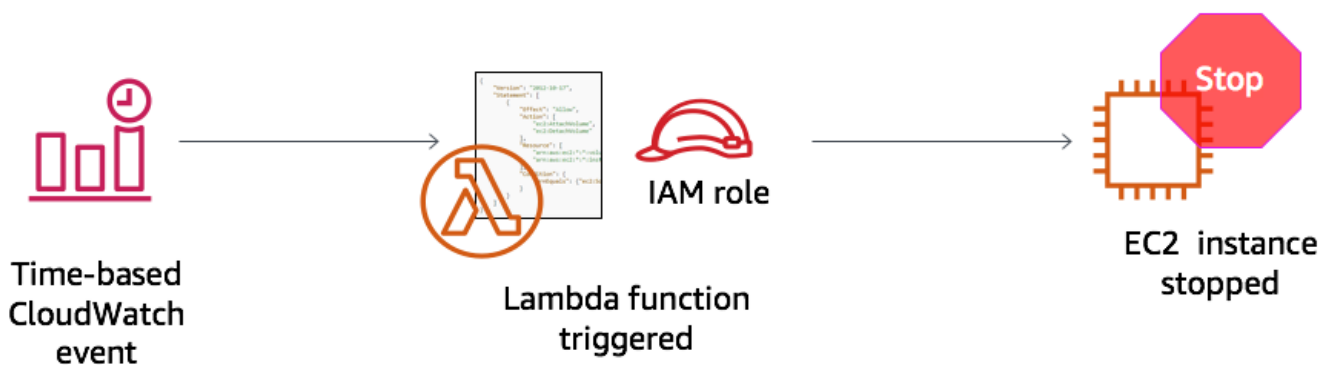


- c. Submit a created solution word document in following google form :

<https://forms.gle/gbAfo7W9VewHRgQ67>

Task 01

10



In this hands-on task, Create an AWS Lambda function to stop an Amazon Elastic Compute Cloud (Amazon EC2) instance that is running in the Amazon Web Services (AWS) account. Create an Amazon CloudWatch event to trigger the function every hour.

Task 02

15

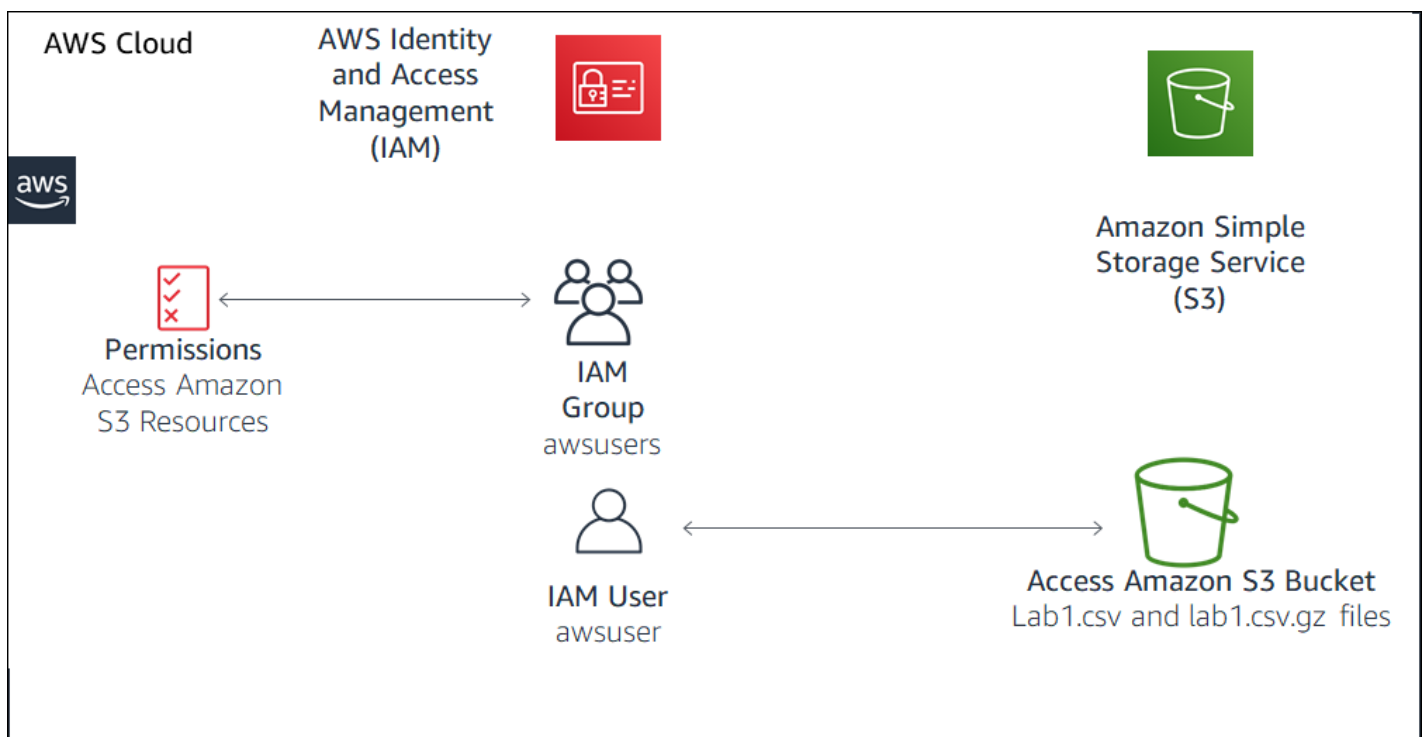


Create an Amazon EBS volume, attach it to an instance, apply a file system to the volume, and then take a snapshot backup.

- Create an Amazon EBS volume
- Attach and mount your volume to an EC2 instance
- Create a snapshot of your volume
- Create a new volume from your snapshot
- Attach and mount the new volume to your EC2 instance

Task 03

15



Perform below mentioned task:

- Access Amazon S3 in the AWS Management Console
- Secure an S3 bucket with IAM
- Create a bucket with Amazon S3
- Load data into an S3 bucket
- Query an S3 bucket
- Describe the role of the Amazon S3 service in big data solutions.
- Explain how AWS Identity and Access Management (IAM) controls access to Amazon S3.