

## AWS – Assignment 16

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### Exercise 1: SQS Service (Personal Account)

#### Question 1: Standard Queue (Console)

- B1: Tạo 1 Standard Queue
- B2: Sử dụng console để send 1 vài message tới Queue
- B3: Sử dụng console để poll message về
- B4: Sau khi poll xong thì delete message đi

Tutorial: slide

#### Question 2: FIFO Queue (Console)

Tương tự Question 1, Tạo FIFO Queue

#### Question 3: Queue (SDK)

Xem Tutorial: <https://www.youtube.com/watch?v=-wNqE4n32zQ>

### Exercise 2: SNS Service (Personal Account)

#### Question 1:

- B1: Tạo 1 Topic
- B2: Add Email Subscription, SMS Subscription, SQS Subscription
- B3: Publish message tới các Subscription

Tutorial: slide

#### Question 2: Filter message

Xem Tutorial: <https://www.youtube.com/watch?v=huDnhvHwZx0>

#### Question 3: S3 Notification & SNS

Xem Tutorial: <https://www.youtube.com/watch?v=5141VoZOB0Y>

### Exercise 3: SES Service (Personal Account)

#### Question 1:

Xem Tutorial:

- <https://www.youtube.com/watch?v=0HeOrZ4sBGo>
- <https://youtu.be/gVRTKuMFc0c?t=887>
- <https://www.youtube.com/watch?v=nxXIpPZzMd0>

### Exercise 4: AmazonMQ Service (Personal Account)

#### Question 1:

Xem Tutorial:

- <https://www.youtube.com/watch?v=q22lTqogYYc>
- <https://www.youtube.com/watch?v=ibvCmegX0Io>

## **Exercise 5: Kinesis Service (Personal Account)**

### **Question 1: Kinesis Data Streams**

Xem tutorial:

[https://drive.google.com/open?id=1AkfXEaAFENd1scGK\\_VOAuaHgL7XuQZ9S](https://drive.google.com/open?id=1AkfXEaAFENd1scGK_VOAuaHgL7XuQZ9S)

### **Question 2: Kinesis Data Firehose**

Xem tutorial:

[https://drive.google.com/open?id=1Akwy\\_ECPNAhR2Bvp5dE1hPIWptSqUW-o](https://drive.google.com/open?id=1Akwy_ECPNAhR2Bvp5dE1hPIWptSqUW-o)

### **Question 3: Kinesis Data Analytics**

Xem tutorial: <https://www.youtube.com/watch?v=m8S8Tow6C3k>

## **Exercise 6: MediaConvert Service (Personal Account)**

### **Question 1:**

Xem tutorial:

- [https://www.youtube.com/watch?v=W\\_mSzZzveqE](https://www.youtube.com/watch?v=W_mSzZzveqE)
- [https://www.youtube.com/watch?v=1\\_MhKOe7VxE](https://www.youtube.com/watch?v=1_MhKOe7VxE)
- <https://www.youtube.com/watch?v=EIBDzSUIDFA>

## **Exercise 7: Single sign-on Service (Personal Account)**

### **Question 1: AWS Account & Dropbox**

B1: Enable SSO

B2: Tạo SSO User

B3: Add AWS Account vào SSO User

B4: Test User Portal

B5: Add Dropbox vào SSO User

B6: Test

Tutorial: slide

### **Question 2: MFA**

Add MFA cho SSO User ở Question 1

### **Question 3: G Suite**

Xem tutorial: <https://www.youtube.com/watch?v=gxqP9L40Sko>

### **Question 4: On-Premise Active Directory**

Xem tutorial: <https://www.youtube.com/watch?v=nuPjljOVZmU>

### **Question 5: Custom SAML Application**

Xem tutorial: <https://www.youtube.com/watch?v=NvHWejw6MYy>

### **Question 6: External identity provider**

Xem tutorial: <https://www.youtube.com/watch?v=3CJsAVVz49o>

## **Exercise 8: Cognito Service (Personal Account)**

### **Question 1: User Pool**

- B1: Tạo 1 User Pool
- B2: Config domain & UI Page
- B3: Sign up & sign in với username & password
- B4: Tích hợp login thông qua facebook
- B5: Tích hợp login thông qua Gmail
- B6: Test

Tutorial: slide

### **Question 2: MFA**

Config MFA khi đăng nhập thông qua username & password

### **Question 3: Identity Pool**

B1: Tạo 1 Identity Pool

B2: Set permission cho

- Authenticated User có thể truy cập được tất cả các bucket
- Unauthenticated User chỉ có thể truy cập được 1 bucket demo (tự tạo bucket ra)

B3: Test đăng Authenticated User & Unauthenticated User thông qua postman

Tutorial: slide

## **Exercise 9: AppSync Service (Personal Account)**

### **Question 1: GraphQL**

Xem tutorial:

<https://www.youtube.com/watch?v=AEptYkblFg8&list=PLKzNGvIJtUDZt5GlzARgHUVFaTzfQytJV&index=2>

### **Question 2: AppSync Service**

Xem tutorial: <https://youtu.be/olAPj6Ellag?t=1460>

## **Exercise 10: Remove resources**

Remove các AWS resources đã sử dụng trong assignment này