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End of Course Assessment

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Final Exam due Mar 19, 2021 15:07 IST

Question 1

1/1 point (graded)
Which statement is true?

○ You can only attach 1 elastic network interface (ENI) to each EC2 instance launched in VPC

○ By default, each instance that you launch into a nondefault subnet has a public IPv4 address

○ To use AWS Private Link, the VPC is required to have a NAT device

◉ Traffics within an Availability Zone, or between Availability Zones in all Regions, ar

✔

[Submit]

✔ Correct (1/1 point)

Question 2

1/1 point (graded)
How many types of VPC Endpoints are available?

○ Many. Each AWS Service will be supported by 1 type of VPC Endpoints

○ Two: Amazon S3 and DynamoDB

◉ Two: Gateway Endpoint and Interface Endpoint

○ One: VPC

✔

[Submit]

✔ Correct (1/1 point)

Question 3

1/1 point (graded)
Which of these AWS resources cannot be monitored using VPC Flow logs?

- ○ VPC

- ○ A subnet in a VPC

- ○ A network interface attached to EC2

- ● An Internet Gateway attached to VPC

✓

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✔ Correct (1/1 point)

Question 4

1/1 point (graded)
Which of the following are monitoring and logging services available on AWS? Select all that apply.

- ☑ AWS CloudWatch

- ☐ AWS CloudLogger

- ☐ Amazon Beehive

- ☑ Amazon Config

✓

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✔ Correct (1/1 point)

Question 5

1/1 point (graded)
Which of the following sections from Trusted Advisor exists under the Well-Architected Framework as a pillar as well?

- ○ Cost Transparency

- ○ Operational Excellence

- ● Security

- ○ Fault Tolerance

✓

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✔ Correct (1/1 point)

Question 6

1/1 point (graded)
Which solution below grants AWS Management Console access to an DevOps engineer?

○ Enable Single sign-on on AWS accounts by using federation and AWS IAM

○ Create a user for the security engineer in AWS Cognito User Pool

◉ Create IAM user for the engineer and associate relevant IAM managed policies to this IAM user

○ Use AWS Organization to scope down IAM roles and grant the security engineer access to this IAM roles

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✔ Correct (1/1 point)

Question 7

1/1 point (graded)
Which of these services doesn't authenticate users to access AWS resources using existing credentials on their current corporate identity?

○ Amazon Cognito

○ AWS SSO

○ IAM

◉ AD Connector

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✔ Correct (1/1 point)

Question 8

1/1 point (graded)
What is the main difference between Cognito User Pool and Cognito Identity Pool?

○ User Pool cannot use public identity providers (e.g Facebook, Amazon, ...) while Identity Pool can

◉ Identity Pools provide temporary AWS credentials

○ Only User Pools has feature to enable MFA

○ User Pools support both authenticated and unauthenticated identities

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✔ Correct (1/1 point)

Question 9

1/1 point (graded)

What security mechanism can add an extra layer of protection to your AWS account in addition to a username password combination?

○ Transport Layer Protocol or TCP

⦿ Multi-factor Authentication or MFA

○ Iris Scan Service or ISS

○ Scure Bee Service or SBS

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✔ Correct (1/1 point)

Question 10

1/1 point (graded)

If a user wanted to read from a DynamoDB table what policy would you attach to their user profile?

○ AmazonDynamoDBFullAccess

○ AWSLambdaInvocation-DynamoDB

⦿ AmazonDynamoDBReadOnlyAccess

○ AWSLambdaDynamoDBExecutionRole

✔

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✔ Correct (1/1 point)

Question 11

1/1 point (graded)

What are valid MFA or Multi-factor Authentication options available to use on AWS? Select all that apply.

☑ Gemalto token

☐ Blizzard Authenticator

☑ yubiKey

☑ Google Authenticator

☐ AWS IoT button

✔

Submit

✔ Correct (1/1 point)

Question 12

1/1 point (graded)
What requirement must you adhere to in order to deploy an AWS CloudHSM?

○ Run the HSM in two regions

◉ Provision the HSM in a VPC

○ Deploy an EBS volume for the HSM

○ Call AWS Support first to enable it

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Submit

✔ Correct (1/1 point)

Question 13

1/1 point (graded)
How much data can you encrypt/decrypt using an Customer Master Key?

○ Up to 4MB

○ Up to 4TB

○ Up to 1MB

◉ Up to 4KB

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Submit

✔ Correct (1/1 point)

Question 14

1/1 point (graded)
The purpose of encrypting data when it is in transit between systems and services is to prevent (choose 3 correct answers):

- [ ] unauthenticated server and client communication
- [x] eavesdropping
- [x] unauthorized alterations
- [x] unauthorized copying

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✔ Correct (1/1 point)

Question 15

1/1 point (graded)
Which protocol below is an industry-standard cryptographic protocol used for encrypting data at the transport layer?

- ( ) HTTPS
- (•) TLS
- ( ) X.509
- ( ) IPSec

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✔ Correct (1/1 point)

Question 16

1/1 point (graded)
How do you encrypt an existing un-encrypted EBS volume?

- ( ) EBS volumes are encrypted at rest by default
- ( ) Enable Encryption by Default feature
- (•) Take a snapshot for EBS volume, and create new encrypted volume for this snapshot
- ( ) Enable encryption for EC2 instance, which will encrypt the attached EBS volumes

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✔ Correct (1/1 point)

Question 17

1/1 point (graded)
When you enable encryption for RDS DB instance, what would not be encrypted?

- ● JBDC connection
- ○ Transaction logs
- ○ Automated backups
- ○ Read Replicas

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✔ Correct (1/1 point)

Question 18

1/1 point (graded)
What language does Amazon Athena support?

- ● SQL
- ○ Java
- ○ C++
- ○ dogescript

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✔ Correct (1/1 point)

Question 19

1/1 point (graded)
What is the name of the model that shows how security is handled by AWS and it's customers in the AWS Cloud?

- ○ Cloud Security Model
- ○ Role Based Model

○ Shared Responsibility Model

○ AWS Authentication Model

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✔ Correct (1/1 point)

Question 20

1/1 point (graded)
What is a customer access endpoint?

○ A customer token

○ A signed code segment

● A URL entry point for a web service

○ A websocket for customer connections

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✔ Correct (1/1 point)

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