End of Course Assessment

1. Which statement is true?　　　　　　　　　　　　　　　　　　　　　**1 / 1 point**

    ○ 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, are routed over the AWS private global network

    > ✓　**Correct**

2. How many types of VPC Endpoints are available?　　　　　　　　　　**1 / 1 point**

    ○ 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

    > ✓　**Correct**

3. Which of these AWS resources cannot be monitored using VPC Flow logs?　**1 / 1 point**

    ○ VPC

    ○ A subnet in a VPC

    ○ A network interface attached to EC2

    ⦿ An Internet Gateway attached to VPC

    > ✓　**Correct**

4. Which of the following are monitoring and logging services available on AWS? Select all that apply.

1 / 1 point

- ☑ AWS CloudWatch

  ✓ **Correct**

- ☐ AWS CloudLogger

- ☐ Amazon Beehive

- ☑ Amazon Config

  ✓ **Correct**

5. Which of the following sections from Trusted Advisor exists under the Well-Architected Framework as a pillar as well?

1 / 1 point

- ◯ Cost Transparency
- ◯ Operational Excellence
- ⦿ Security
- ◯ Fault Tolerance

  ✓ **Correct**

6. Which solution below grants AWS Management Console access to an DevOps engineer?

1 / 1 point

- ◯ 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

  ✓ **Correct**

7. 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

  1 / 1 point

  ✓ Correct

8. 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

  1 / 1 point

  ✓ Correct

9. 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

  ● Mult-factor Authentication or MFA

  ○ Iris Scan Service or ISS

  ○ Scure Bee Service or SBS

  1 / 1 point

  ✓ Correct

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

  ○ AmazonDynamoDBFullAccess

  ○ AWSLambdaInvocation-DynamoDB

  ● AmazonDynamoDBReadOnlyAccess

  ○ AWSLambdaDynamoDBExecutionRole

  1 / 1 point

  ✓ Correct

11. What are valid MFA or Multi-factor Authentication options available to use on AWS? Select all that apply.   **1 / 1 point**

- ☑ Gemalto token

  ✓ **Correct**

- ☐ Blizzard Authenticator

- ☑ yubiKey

  ✓ **Correct**

- ☑ Google Authenticator

  ✓ **Correct**

- ☐ AWS IoT button

12. What requirement must you adhere to in order to deploy an AWS CloudHSM?   **1 / 1 point**

- ○ 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

  ✓ **Correct**

13. How much data can you encrypt/decrypt using an Customer Master Key?   **1 / 1 point**

- ○ Up to 4MB
- ○ Up to 4TB
- ○ Up to 1MB
- ⦿ Up to 4KB

  ✓ **Correct**

14. 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

☑ eavesdropping

✓ **Correct**

☑ unauthorized alterations

✓ **Correct**

☑ unauthorized copying

✓ **Correct**

`1 / 1 point`

15. Which protocol below is an industry-standard cryptographic protocol used for encrypting data at the transport layer?

○ HTTPS

◉ TLS

○ X.509

○ IPSec

✓ **Correct**

`1 / 1 point`

16. 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

✓ **Correct**

`1 / 1 point`

17. When you enable encryption for RDS DB instance, what would not be encrypted?

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

✓ **Correct**

1 / 1 point

18. What language does Amazon Athena support?

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

✓ **Correct**

1 / 1 point

19. 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

✓ **Correct**

1 / 1 point

20. 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

✓ **Correct**

1 / 1 point