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## End of Course Assessment

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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
- ☒ Traffic 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?

0 / 1 point

- ☐ VPC
- ☐ A subnet in a VPC
- ☒ A network interface attached to EC2
- ☐ An Internet Gateway attached to VPC

**Incorrect**

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

1 / 1 point

well?

- ☐ 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?

1 / 1 point

- ☐ Amazon Cognito
- ☐ AWS SSO
- ☐ IAM
- ☒ AD Connector

✓ Correct

8. What is the main difference between Cognito User Pool and Cognito Identity Pool?

1 / 1 point

- ☐ 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

✓ Correct

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

1 / 1 point

- ☐ Transport Layer Protocol or TCP
- ☒ Multi-factor Authentication or MFA
- ☐ Iris Scan Service or ISS
- ☐ Scure Bee Service or SBS

✓ Correct

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

1 / 1 point

- ☐ AmazonDynamoDBFullAccess
- ☐ AWSLambdaInvocation-DynamoDB
- ☒ AmazonDynamoDBReadOnlyAccess
- ☐ AWSLambdaDynamoDBExecutionRole

✓ 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):

1 / 1 point

- ☐ unauthenticated server and client communication
- ☒ eavesdropping

✓ Correct

☒ unauthorized alterations

✓ Correct

☒ unauthorized copying

✓ Correct

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

1 / 1 point

- ☐ HTTPS
- ☒ TLS
- ☐ X.509
- ☐ IPSec

✓ Correct

16. How do you encrypt an existing un-encrypted EBS volume?

1 / 1 point

- ☐ 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

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

1 / 1 point

- ☒ JDBC connection
- ☐ Transaction logs
- ☐ Automated backups
- ☐ Read Replicas
- ☐ Snapshots

✓ Correct

18. What language does Amazon Athena support?

1 / 1 point

- ☒ SQL
- ☐ Java
- ☐ C++
- ☐ dogescript

✓ Correct

19. What is the name of the model that shows how security is handled by AWS and its customers in the AWS Cloud?

1 / 1 point

- ☐ Cloud Security Model
- ☐ Role Based Model
- ☒ Shared Responsibility Model
- ☐ AWS Authentication Model

✓ Correct

20. What is a customer access endpoint?

1 / 1 point

- ☐ A customer token
- ☐ A signed code segment
- ☒ A URL entry point for a web service

☐ A websocket for customer connections

✓ Correct