AWS Developer Associate Practice Exam

1. **What options are available to a customer who wants to perform penetration testing (pen testing) of his Amazon Elastic Compute Cloud (EC2) web servers?**
2. A customer can perform penetration testing any time he chooses.
3. Penetration testing is never allowed.
4. AWS automatically performs penetration testing against every customerˈs system.
5. A customer should request permission from AWS before performing penetration testing.
6. **Which of the following services could be used alone to host a static website?**
7. Amazon DynamoDB
8. Amazon Simple Storage Service
9. Amazon Simple Notification Service
10. Amazon CloudFront
11. **You are maintaining an application that is spread across multiple web servers and has incoming traffic balanced by an elastic load balancer (ELB). The application allows users to upload pictures. Currently, each server stores the images locally, and a background task synchronizes the data between servers. However, the synchronization task can no longer keep up with the number of images uploaded. What change could you make so that all web servers have a place to store and read images at the same time?**
12. Store the images on instance storage.
13. Store the images on Amazon CloudFront.
14. Store the images on Amazon Elastic Block Store (EBS).
15. Store the images on the ELB.
16. Store the images in Amazon Simple Storage Service (S3).
17. **A security system monitors 3000 cameras, saving image metadata every 30 seconds to an Amazon DynamoDB table. Each sample involves writing 512 bytes of data, and the writes are evenly distributed over time. How much write throughput is required for the target table?**
18. 30 write capacity unit
19. 100 write capacity unit
20. 600 write capacity unit
21. 300 write capacity unit
22. 3600 write capacity unit
23. **Which of the following AWS services can be used to record logs of all AWS API calls?**
24. AWS CloudTrail
25. Amazon Elastic Compute Cloud (EC2)
26. AWS Identity and Access Management (IAM)
27. Amazon AppStream
28. Amazon CloudWatch
29. **Which of the following are elements in an Amazon Simple Workflow Service (SWF) workflow? Choose 3 answers.**
30. Workflow activity
31. Decider
32. Activity worker
33. Adapter
34. Message port
35. Workflow starter
36. **Which of the following are the responsibility of AWS? Choose 2 answers**
37. Patching the operating system on a running instance of Amazon Elastic Compute Cloud (EC2)
38. Management of SSH key pairs for a customerˈs EC2 instances
39. Physical security of AWS data centers
40. Managing security groups (firewalls)
41. Virtualization infrastructure
42. **You have just launched a standard Windows Server 2012 Amazon EC2 instance and it is up and running, but you cannot connect to the instance from your corporate laptop using Remote Desktop Connection over the public Internet. Which of the following could be the cause? Choose 3 answers**
43. Windows instances, by default, do not support Remote Desktop Protocol (RDP).
44. The IP address of your laptop is being masked by your corporate network proxy server.
45. The instance does not have a route to an Internet Gateway.
46. The instanceˈs Security Group does not support ingress to port 22.
47. The instanceˈs Security Group does not support ingress to port 3389.
48. **Which statements about Amazon Relational Database Service (RDS) are true? Choose 2** **answers**
49. RDS supports Oracle, MySQL, SQL Server and DB2.
50. RDS instances can be deployed within an Amazon Virtual Private Cloud (VPC).
51. RDS automated backup allows point-in-time recovery of your DB instance.
52. RDS supports databases of unlimited size.
53. RDS features are identical across all supported database technologies.
54. **Which of the following is an example of a good Amazon DynamoDB hash key schema for provisioned throughput efficiency?**
55. Student ID, where every student has a unique identification number
56. College ID, where there are two colleges in the university
57. Class ID, where every student is in one of four classes
58. Tuition Plan, where the vast majority of students are in-state and the rest are out-of-state
59. **Which EC2 API call would you use to attach an EBS volume to an Amazon Elastic Compute Cloud (EC2) instance?**
60. AttachDrive
61. ConnectVolume
62. AttachVolume
63. ConnectDrive
64. MountVolume
65. **Which of the following programming languages have an officially supported AWS SDK? Choose 2 answers**
66. Lisp
67. Ruby
68. Delphi
69. C
70. Python
71. **Which of the following AWS services can be used to deploy systems into AWS? Choose 3 answers**
72. Amazon ElastiCache
73. AWS OpsWorks
74. AWS Elastic Beanstalk
75. AWS CloudFormation
76. Amazon Kinesis
77. **Which of the following represents a valid AWS CloudFormation template?**

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Description: User peter,

Resources: peter,

Type: AWS::IAM::User

{

"AWSTemplateFormatVersion": "2010-09-09",

"Description": "User peter",

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"Type": "AWS::IAM::User"

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Resources=peter,   
Type=AWS::IAM::User



{

"peter":{

"Type": "AWS::IAM::User"

}

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1. **Which of the following is a highly available, scalable deployment model for a web service?**
2. A fixed number of web servers in one AWS Availability Zone
3. An Auto Scaling group of web servers in two or more AWS Availability Zones
4. A fixed number of web servers split across two or more AWS Availability Zones
5. A fixed number of web servers split across multiple AWS regions
6. **Which of the following are valid sections in an AWS CloudFormation template? Choose 3 answers**
7. Parameters
8. Services
9. Outputs
10. Declarations
11. Resources
12. **Which object encryption options are available with Amazon Simple Storage Service (S3)?**
13. Server-side encryption using Amazon keys
14. Client-side encryption using customerˈs keys
15. Server-side encryption using customerˈs keys
16. Options A, B, and C
17. Options A and B
18. **Which of the following are AWS Identity and Access Management (IAM) entities? Choose 3 answers**
19. User
20. Group
21. Team
22. Role
23. Root
24. Organization
25. **You are debugging a problem with a web application that writes to an Amazon DynamoDB table. You would like to see the actual data in the DynamoDB table to confirm that the data written was correct. How can you do this? Choose 2 answers**
26. DynamoDB tables are stored as JSON documents in S3 so you can simply download the document from S3.
27. Use the AWS Console to view the DynamoDB tableˈs data.
28. Connect a standard SQL client to your DynamoDB table and view the tableˈs data.
29. Use the standard DynamoDB "export to CSV" feature.
30. Use the AWS Command Line Interface (CLI) tools to query the DynamoDB table’s data.
31. **What HTTP response code indicates that an AWS REST API call was successful?**
32. 404
33. 201
34. 300
35. 0
36. 200

## **Assessment Summary**

Number of Items Answered:

20

Number of Items Unanswered:

0

Number of Items Marked for Review:

1

## **Answers**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | A | **6** | ABC | **11** | C | **16** | ACE |
| **2** | B | **7** | CE | **12** | BE | **17** | D |
| **3** | E | **8** | BCE | **13** | BCD | **18** | ABD |
| **4** | B | **9** | BC | **14** | B | **19** | BD |
| **5** | A | **10** | C | **15** | B | **20** | E |

|  |  |
| --- | --- |
| Score: | 85% |
| Result: | Pass |

|  |  |
| --- | --- |
| Domain 1 - AWS Fundamentals: | 100% |
| Domain 2 - Designing & Developing: | 75% |
| Domain 3 - Deployment & Security : | 100% |
| Domain 4 - Debugging: | 75% |