

iTransform AWS cloud practitioner test-1

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Points: 65/65

1. An IT company is planning to migrate from an on-premises environment to AWS Cloud. Which of the following expense areas would result in cost savings when the company moves to AWS Cloud?

(Select two) *

(1/1 Point)

- ☐ SaaS application license fee
- ☒ Computing hardware infrastructure expenditure ✓
- ☒ Data center physical security expenditure ✓
- ☐ Project manager salary
- ☐ Developer salary

2. Which of the following statements are CORRECT regarding the AWS VPC service?

(Select two) *

(1/1 Point)

- ☐ A Security Group can have both allow and deny rules
- ☒ A NAT Instance is managed by AWS ✓

- ☐ A NAT Gateway is managed by AWS
- ☐ A NACL can have allow rules only
- ☒ A Security Group can have allow rules only ✓

3. A startup wants to set up its IT infrastructure on AWS Cloud. The CTO would like to get an estimate of the monthly AWS bill based on the AWS services that the startup wants to use. As a Cloud Practitioner, which AWS service would you suggest for this use-case? *

(1/1 Point)

- ☐ AWS Total Cost of Ownership (TCO) Calculator
- ☐ AWS Cost Explorer
- ☐ AWS Budgets
- ☒ AWS Simple Monthly Calculator ✓

4. Which AWS services can be used to store files? Choose 2 answers from the options given below *

(1/1 Point)

- ☐ Amazon CloudWatch
- ☒ Amazon Simple Storage Service (Amazon S3) ✓
- ☒ C. Amazon Elastic Block Store (Amazon EBS) ✓
- ☐ AWS Config
- ☐ Amazon Athena

5. Which of the following services uses AWS edge locations? *

(1/1 Point)

- ☐ Amazon Virtual Private Cloud (Amazon VPC)

☒ Amazon CloudFront ✓

☐ Amazon Elastic Compute Cloud (Amazon EC2)

☐ AWS Storage Gateway

6. Which of the following is a benefit of Amazon Elastic Compute Cloud (Amazon EC2) over physical servers? *
(1/1 Point)

☐ Automated backup

☒ Paying only for what you use ✓

☐ The ability to choose hardware vendors

☐ Root /administrator access

7. Which AWS service provides infrastructure security optimization recommendations? *
(1/1 Point)

☐ AWS Price List Application Programming Interface (API)

☐ Reserved Instances

☒ AWS Trusted Advisor ✓

☐ Amazon Elastic Compute Cloud (Amazon EC2) SpotFleet

8. Which service allows for the collection and tracking of metrics for AWS services? *
(1/1 Point)

☐ Amazon CloudFront

☐ Amazon CloudSearch

☒ Amazon CloudWatch ✓

☐ Amazon Machine Learning (Amazon ML)

9. A company needs to know which user was responsible for terminating several critical Amazon Elastic Compute Cloud (Amazon EC2) Instances. Where can the customer find this information? *

(1/1 Point)

☐ AWS Trusted Advisor

☐ Amazon EC2 instance usage report

☐ Amazon CloudWatch

☒ AWS CloudTrail logs ✓

10. Which service should an administrator use to register a new domain name with AWS? *

(1/1 Point)

☒ Amazon Route 53 ✓

☐ Amazon Cloud Fron

☐ Elastic Load Balancing

☐ Amazon Virtual Private Cloud (Amazon VPC)

11. What is the value of having AWS Cloud services accessible through an Application Programming Interface (API)? *

(1/1 Point)

☒ Cloud resources can be managed programmatically ✓

☐ AWS infrastructure use will always be cost-optimized

☐ All application testing is managed by AWS

☐ Customer-owned, on-premises infrastructure becomes programmable

12. Which of the following examples supports the cloud design principle "design for failure and nothing will fail"? *

(1/1 Point)

- ☐ Adding an elastic load balancer in front of a single Amazon Elastic Compute Cloud (Amazon EC2) instance
- ☐ Creating and deploying the most cost-effective solution
- ☒ Deploying an application in multiple Availability Zones ✓
- ☐ Using Amazon CloudWatch alerts to monitor performance

13. Which service allows an administrator to create and modify AWS user permissions? *

(1/1 Point)

- ☐ AWS Config
- ☐ AWS Cloud Trail
- ☐ AWS Key Management Service (AWS KMS)
- ☒ AWS Identity and Access Management (IAM) ✓

14. Which AWS service automates infrastructure provisioning and administrative tasks for an analytical data warehouse? *

(1/1 Point)

- ☒ Amazon Redshift ✓
- ☐ Amazon DynamoDB
- ☐ Amazon ElastiCache
- ☐ Amazon Aurora

15. Which of the following is the responsibility of the AWS customer according to the Shared Security Model? *

(1/1 Point)

- ☒ Managing AWS Identity and Access Management (IAM) ✓
- ☐ Securing edge locations
- ☐ Monitoring physical device security
- ☐ Implementing service organization Control (SOC) standards

16. Where can a customer go to get more detail about Amazon Elastic Compute Cloud (Amazon EC2) billing activity that took place 3 month ago? *

(1/1 Point)

- ☐ Amazon EC2 dashboard
- ☒ AWS Cost and Usage reports ✓
- ☐ AWS Trusted Advisor dashboard
- ☐ AWS Cloud Trail logs stored in Amazon Simple Storage Service (Amazon S3)

17. Who has control of the data in an AWS account? *

(1/1 Point)

- ☐ AWS Support Team
- ☒ AWS Account Owner ✓
- ☐ AWS Security Team
- ☐ AWS Technical Account Manager (TAM)

18. The main benefit of decoupling an application is to: *

(1/1 Point)

- ☐ Create a tightly integrated application
- ☒ Reduce inter-dependencies so failures do not impact other components ✓
- ☐ Enable data synchronization across the web application layer
- ☐ Have the ability to execute automated bootstrapping actions

19. Which of the following is a benefit of running an application across two Availability Zones? *

(1/1 Point)

- ☐ Performance is improved over running in a single Availability Zone.
- ☐ It is more secure than running in a single Availability Zone.
- ☐ It significantly reduces the total cost of ownership versus running in a single Availability Zone.
- ☒ It increases the availability of an application compared to running in a single Availability Zone. ✓

20. Which of the following security requirements are managed by AWS customers?

Select 2 answers from the options given below. *

(1/1 Point)

- ☒ Password Policies ✓
- ☒ User permissions ✓
- ☐ Physical security
- ☐ Disk disposal
- ☐ Hardware patching

21. Systems applying the cloud architecture principle of elasticity will: *

(1/1 Point)

- ☐ Minimize storage requirements by reducing logging and auditing activities
- ☒ Create systems that scale to the required capacity based on changes in demand ✓
- ☐ Enable AWS to automatically select the most cost-effective services
- ☐ Accelerate the design process because recovery from failure is automated, reducing the need for testing

22. Amazon Elastic Compute Cloud (Amazon EC2) Spot instances are appropriate for which of the following workloads? *

(1/1 Point)

- ☐ Workloads that are only run in the morning and stopped at night
- ☒ Workloads where the availability of the Amazon EC2 instances can be flexible ✓
- ☐ Workloads that need to run for long periods of time without interruption
- ☐ Workloads that are critical and need Amazon EC2 instances with termination protection

23. What AWS feature enables a user to manage services through a web-based user interface? *

(1/1 Point)

- ☒ AWS Management Console ✓
- ☐ AWS Application Programming Interface (API)
- ☐ AWS Software Development Kit (SDK)
- ☐ Amazon CloudWatch

24. Which tool can display the distribution of AWS spending? *

(1/1 Point)

- ☐ AWS organizations
- ☐ Amazon Dev Pay

- ☐ AWS Trusted Advisor
- ☒ AWS Cost Explorer ✓

25. How can the AWS Management Console be secured against unauthorized access?

*

(1/1 Point)

- ☒ Apply Multi-Factor Authentication (MFA) ✓
- ☐ Set up a secondary password
- ☐ Request root access privileges
- ☐ Disable AWS console access

26. Which AWS Cloud service is used to turn on Multi-Factor Authentication (MFA)? *

(1/1 Point)

- ☒ AWS Identity and Access Management (IAM) ✓
- ☐ Amazon Elastic Compute Cloud (Amazon EC2)
- ☐ AWS Config
- ☐ Amazon Inspector

27. A disaster recovery strategy on AWS should be based on launching infrastructure in a separate: *

(1/1 Point)

- ☐ Subnet
- ☒ AWS Region ✓
- ☐ AWS edge location
- ☐ Amazon Virtual Private Cloud (Amazon VPC)

28. Which of the following is a factor when calculating Total Cost of Ownership (TCO) for the AWS Cloud? *

(1/1 Point)

- ☒ The number of servers migrated to AWS ✓
- ☐ The number of users migrated to AWS
- ☐ The number of passwords migrated to AWS
- ☐ The number of keys migrated to AWS

29. Which AWS service is used to as a global content delivery network (CDN) service in AWS? *

(1/1 Point)

- ☐ Amazon SES
- ☐ Amazon CloudTrail
- ☒ Amazon CloudFront ✓
- ☐ Amazon S3

30. Which of the following is a fully managed NoSQL database service available with AWS? *

(1/1 Point)

- ☐ AWS RDS
- ☒ AWS DynamoDB ✓
- ☐ AWS Redshift
- ☐ AWS MongoDB

31. A company wants to store data that is not frequently accessed. What is the best and cost-efficient solution that should be considered? *

(1/1 Point)

- ☐ Amazon Storage Gateway
- ☒ Amazon Glacier ✓
- ☐ Amazon EBS
- ☐ Amazon S3

32. You are currently hosting an infrastructure and most of the EC2 instances are near 90 - 100% utilized. What is the type of EC2 instances you would utilize to ensure costs are minimized? *

(1/1 Point)

- ☒ Reserved instances ✓
- ☐ On-demand instances
- ☐ Spot instances
- ☐ Regular instances

33. What is the ability provided by AWS to enable fast, easy, and secure transfers of files over long distances between your client and your Amazon S3 bucket? *

(1/1 Point)

- ☐ File Transfer
- ☐ HTTP Transfer
- ☒ Transfer Acceleration ✓
- ☐ S3 Acceleration

34. As per the AWS Acceptable Use Policy, penetration testing of EC2 instances: *
(1/1 Point)

- ☐ May be performed by AWS and will be performed by AWS upon customer request
- ☐ May be performed by AWS and is periodically performed by AWS
- ☐ Are expressly prohibited under all circumstances
- ☒ May be performed by the customer on their own instances with prior authorization from AWS ✓
- ☐ May be performed by the customer on their own instances, only if performed from EC2 instances

35. The Trusted Advisor service provides insight regarding which four categories of an AWS account? *
(1/1 Point)

- ☐ Security, fault tolerance, high availability, and connectivity
- ☐ Security, access control, high availability, and performance
- ☒ Performance, cost optimization, security, and fault tolerance ✓
- ☐ Performance, cost optimization, access control, and connectivity

36. A company is deploying a two-tier, highly available web application to AWS. Which service provides durable storage for static content while utilizing lower Overall CPU resources for the web tier? *
(1/1 Point)

- ☐ Amazon EBS volume
- ☒ Amazon S3 ✓
- ☐ Amazon EC2 instance store
- ☐ Amazon RDS instance

37. What best describes the "Principal of Least Privilege"? Choose the correct answer from the options given below *

(1/1 Point)

- ☐ All users should have the same baseline permissions granted to them to use basic AWS services
- ☒ Users should be granted permission to access only resources they need to do their assigned job ✓
- ☐ Users should submit all access requests in writing so that there is a paper trail of who needs access to different AWS resources
- ☐ Users should always have a little more access granted to them than they need, just in case they end up needing it in the future

38. Which of the below mentioned services can be used to host virtual servers in the AWS Cloud? *

(1/1 Point)

- ☐ AWS IAM
- ☐ AWS Server
- ☒ AWS EC2 ✓
- ☐ AWS Regions

39. Which of the following can be used to protect EC2 Instances hosted in AWS? Choose 2 answers from the options given below: *

(1/1 Point)

- ☒ Usage of Security Groups ✓
- ☐ Usage of AMI's
- ☒ Usage of Network Access Control Lists ✓
- ☐ Usage of the Internet gateway

40. You work for a company that is planning on using the AWS EC2 service. They currently create golden images of their deployed operating system. Which of the following correspond to a golden image in AWS? *

(1/1 Point)

- ☐ EBS Volumes
- ☐ EBS Snapshots
- ☒ Amazon Machines Images ✓
- ☐ EC2 Copies

41. You are developing and planning on deploying an application onto the AWS Cloud. This application needs to be PCI Compliant. Which of the below steps would you carry out to ensure the compliance is met for the application. Choose 2 answers from the following: *

(1/1 Point)

- ☒ Choose AWS services which are PCI Compliant ✓
- ☒ Ensure the right steps are taken during application development for PCI Compliance ✓
- ☐ Ensure the AWS Services are made PCI Compliant
- ☐ Do an audit after the deployment of the application for PCI Compliance

42. Which of the below can be used to get data onto Amazon Glacier? Choose 3 answers from the options given below: *

(1/1 Point)

- ☒ AWS Glacier API ✓
- ☐ AWS Console
- ☒ AWS Glacier SDK ✓
- ☒ AWS S3 Lifecycle policies ✓

43. Which of the following in the AWS Support plans gives access to a Support Concierge? *
(1/1 Point)

- ☐ Basic
- ☐ Developer
- ☐ Business
- ☒ Enterprise ✓

44. A company is planning to use AWS to host critical resources. Most of their systems are business critical and need to have response times less than 15 minutes. Which of the following support plans should they consider? *
(1/1 Point)

- ☐ Basic
- ☐ Developer
- ☐ Business
- ☒ Enterprise ✓

45. Which of the following is NOT a feature of an edge location do? *
(1/1 Point)

- ☐ Distribute content to users
- ☐ Cache common responses
- ☒ Distribute load across multiple resources ✓
- ☐ Used in conjunction with the CloudFront service

46. There is a requirement for storage of objects. The objects should be able to be downloaded via a URL. Which storage option would you choose? *

(1/1 Point)

- ☒ Amazon S3 ✓
- ☐ Amazon Glacier
- ☐ Amazon Storage Gateway
- ☐ Amazon EBS

47. There is a requirement to host a database server for a minimum period of one year. Which of the following would result in the least cost? *

(1/1 Point)

- ☐ Spot Instances
- ☐ On-Demand
- ☐ No Upfront costs Reserved
- ☒ Partial Upfront costs Reserved ✓

48. There is a requirement for a development and test environment for 3 months. Which would you use? *

(1/1 Point)

- ☐ Spot Instances
- ☒ On-Demand ✓
- ☐ No Upfront costs Reserved
- ☐ Partial Upfront costs Reserved

49. When creating security groups, which of the following is a responsibility of the customer? Choose 2 answers from the options given below. *
(1/1 Point)

- ☒ Giving a name and description for the security group ✓
- ☒ Defining the rules as per the customer requirements. ✓
- ☐ Ensure the rules are applied immediately
- ☐ Ensure the security groups are linked to the Elastic Network interface

50. Which of the following are advantages of having infrastructure hosted on the AWS Cloud? Choose 2 answers from the options given below. *
(1/1 Point)

- ☐ Having complete control over the physical infrastructure
- ☒ Having the pay as you go model ✓
- ☒ No upfront costs ✓
- ☐ Having no need to worry about security

51. A company wants to have a database hosted on AWS. As much as possible they want to have control over the database itself. Which of the following would be an ideal option for this? *
(1/1 Point)

- ☐ Using the AWS DynamoDB service
- ☐ Using the AWS RDS service
- ☒ Hosting on the database on an EC2 Instance ✓
- ☐ Using the Amazon Aurora service

52. A company currently has an application which consist of a .Net layer which connects to a MySQL database. They now want to move this application onto AWS. They want to make use of all AWS features such as high availability and automated backups. Which of the following would be an ideal database in AWS to migrate to for this requirement? *

(1/1 Point)

- ☒ Aurora ✓
- ☐ DynamoDB
- ☐ An EC2 instance with MySQL installed.
- ☐ An EC2 instance with Aurora installed.

53. Which of the following statements are FALSE when it comes to elasticity?
Choose 2 answers from the options given below

*

(1/1 Point)

- ☐ Diverting traffic to instances based o
- ☐ Diverting traffic to instances with the least load
- ☒ Diverting traffic across multiple regions ✓
- ☒ Diverting traffic to instances with higher capacity ✓

54. Which of the following services relates the concept of "Distributing traffic to multiple EC2 Instances"? *

(1/1 Point)

- ☐ AutoScaling
- ☒ Elastic Load Balancer ✓
- ☐ VPC
- ☐ Subnets

55. Which of the following services relates the concept of "scaling up resources based on demand"? *

(1/1 Point)

- ☒ Auto Scaling ✓
- ☐ Elastic Load Balancer
- ☐ VPC
- ☐ Subnet

56. A company is planning to migrate their existing services to the AWS Cloud. Which of the following would help them do a cost benefit analysis of moving to the AWS Cloud? *

(1/1 Point)

- ☒ AWS TCO calculator ✓
- ☐ AWS Config
- ☐ AWS Cost Explorer
- ☐ AWS Consolidating billing

57. Which of the following does AWS perform on its customer's behalf for EBS volumes to make it less prone to failure? *

(1/1 Point)

- ☐ Replication of the volume across Availability Zones
- ☒ Replication of the volume in the same Availability Zone ✓
- ☐ Replication of the volume across Regions
- ☐ Replication of the volume across Edge locations

58. You have a set of developers that need to use .Net to call AWS Services. Which of the following tools can be used to achieve this purpose? *

(1/1 Point)

- ☒ AWS SDK ✓
- ☐ AWS Console
- ☐ AWS CLI
- ☐ AWS IAM

59. You have an EC2 Instance in development that interacts with the Simple Storage Service. The EC2 Instance is going to be promoted to the production environment. Which of the following features should be used for secure communication between the EC2 Instance and the Simple Storage Service? *

(1/1 Point)

- ☐ IAM Users
- ☐ IAM Groups
- ☐ IAM policies
- ☒ IAM Roles ✓

60. Which of the following can be used to view one bill when you have multiple AWS Accounts? *

(1/1 Point)

- ☒ Consolidating billing ✓
- ☐ Combined Billing
- ☐ Cost Explorer
- ☐ IAM

61. Your company is planning to host a large ecommerce application on the AWS Cloud. One of their major concerns is Internet attacks such as DDos attacks. Which of the following services can help mitigate this concern? Choose 2 answers from the options given below: *

(1/1 Point)

☒ CloudFront ✓

☒ AWS Shield ✓

☐ AWS EC2

☐ AWS Config

62. Which of the following are services where you don't need to manage the underlying infrastructure? Choose 2 answers from the options given below: *

(1/1 Point)

☒ DynamoDB ✓

☐ EC2

☒ Simple Storage Service ✓

☐ AWS Auto Scaling

63. Which of the following disaster recovery deployment mechanisms has the highest downtime? *

(1/1 Point)

☐ Pilot light

☐ Warm standby

☐ Multi Site

☒ Backup and Restore ✓

64. Which of the following services allows you to analyze EC2 Instances against pre-defined security templates to check for vulnerabilities? *

(1/1 Point)

- ☐ AWS Trusted Advisor
- ☒ AWS Inspector ✓
- ☐ AWS WAF
- ☐ AWS Shield

65. Which of the following storage mechanisms can be used to store messages effectively which can be used across distributed systems? *

(1/1 Point)

- ☐ Amazon Glacier
- ☐ Amazon EBS Volumes
- ☐ Amazon EBS Snapshots
- ☒ Amazon SQS ✓

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