# iTransform AWS CCP - Practice Test 3

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Points: **63/65**

1. When working on the costing for on-demand EC2 instances, which of the following are attributes which determine the costing of the EC2 Instance? Choose 3 answers from the options given below: *
(1/1 Point)

☑ Instance Type ✓

☑ AMI Type ✓

☑ Region ✓

☐ Edge location

2. A company wants to utilize AWS storage. For them low storage cost is paramount, the data is rarely retrieved, and data retrieval times of several hours are acceptable for them. What is the best storage option to use? *
(1/1 Point)

⦿ AWS Glacier ✓

◯ AWS S3 Reduced Redundancy Storage

◯ EBS backed storage connected to EC2

◯ AWS Cloud Front

✕

3. What are characteristics of Amazon S3? Choose 2 answers from the options given below: *
(0/1 Point)

☐ S3 allows you to store objects of virtually unlimited size.

☑ S3 allows you to store unlimited amounts of data.  ✓

☑ S3 should be used to host a relational database.

☐ Objects are directly accessible via a URL.  ✓

4. What is the AWS service provided which provides a fully managed NoSQL database service that provides fast and predictable performance with seamless scalability? *
(1/1 Point)

○ AWS RDS

◉ DynamoDB  ✓

○ Oracle RDS

○ Elastic Map Reduce

5. You want to monitor the CPU utilization of an EC2 resource in AWS. Which of the below services can help in this regard? *
(1/1 Point)

○ AWS CloudTrail

○ AWS Inspector

○ AWS Trusted Advisor

◉ AWS CloudWatch  ✓

6. A company is deploying a 2-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

7. Which AWS service allows for distribution of incoming application traffic across multiple EC2 instances?
   *
   (1/1 Point)

○ AWS EC2

○ AWS Autoscaling

◉ AWS ELB  ✓

○ AWS Inspector

8. Which of the below AWS services allows you to base the number of resources on the demand of the application or users? *
   (1/1 Point)

○ AWS EC2

◉ AWS Autoscaling  ✓

○ AWS ELB

○ AWS Inspector

9. Which of the following is an AWS managed database service provides processing power that is up to 5X faster than a traditional MySQL database? *
   (1/1 Point)

○ MariaDB

◉ Aurora  ✓

○ PostgreSQL

○ DynamoDB

10. When using On-Demand instances in AWS, which of the following is a false statement when it comes to the costing for the Instance? *
(1/1 Point)

○ You pay no upfront costs for the instance

○ You are charged per second based on the hourly rate

◉ You must pay the termination fees if you terminate the instance  ✓

○ You pay for much you use.

11. AWS provides a storage option known as Amazon Glacier. What is this AWS service designed for?
Please specify 2 correct options: *
(1/1 Point)

☐ Cached session data

☑ Infrequently accessed data  ✓

☑ Data archives  ✓

☐ Active database storage

12. Which of the following is not a supported database in the AWS RDS service? *
(1/1 Point)

○ Aurora

○ MariaDB

○ MySQL

◉ DB2  ✓

13. There is a requirement to move a 10 TB data warehouse to the AWS cloud. Which of the following is an ideal service which can be used to move this amount of data to the AWS Cloud? *
(1/1 Point)

○ Amazon Snowball ✓

○ Amazon Direct Connect

○ Amazon S3 MultiPart Upload

○ Amazon S3 Connector

14. What is the key difference between an availability zone and an edge location? *
(1/1 Point)

○ An availability zone is a grouping of AWS resources in a specific region; an edge location is a specific resource within the AWS region

◉ An availability zone is an Amazon resource within an AWS region, whereas an edge location will deliver cached content to the closest location to reduce latency ✓

○ Edge locations are used as control stations for AWS resources

○ None of the above

15. Which of the following security features is associated with a Subnet in a VPC to protect against incoming traffic requests? *
(1/1 Point)

○ AWS Inspector

○ Subnet Groups

○ Security Groups

◉ NACL ✓

16. You have a Web application hosted in an EC2 Instance that needs to send notifications based on events. Which of the below services can assist in sending notifications? *
(1/1 Point)

○ AWS SES

◉ AWS SNS  ✓

○ AWS SQS

○ AWS EC2

17. Which of these is a document that provides a formal statement of one or more permissions? *
(1/1 Point)

◉ Policy  ✓

○ Permission

○ Role

○ Resource

18. What acts as a firewall that controls the traffic allowed to reach one or more instances? *
(1/1 Point)

◉ Security group  ✓

○ ACL

○ IAM

○ EC2

19. Which of the following are benefits of the AWS's Relational Database Service (RDS)? Choose the 2 correct answers from the options below: *
(1/1 Point)

☑ Automated patches and backups ✓

☐ You can resize the capacity accordingly

☐ It allows you to store unstructured data

☐ It allows you to store NoSQL data

20. Which AWS service uses Edge Locations for content caching? *
(1/1 Point)

○ AWS SNS

○ AWS SQS

◉ AWS CloudFront ✓

○ AWS Inspector

21. A company wants to create standard templates for deployment of their
Infrastructure. Which AWS service can be used in this regard? *
(1/1 Point)

○ Amazon Simple Workflow Service

○ AWS Elastic Beanstalk

◉ AWS CloudFormation ✓

○ AWS OpsWorks

22. You have a distributed application that periodically processes large volumes of
data across multiple Amazon EC2 Instances. The application is designed to
recover gracefully from Amazon EC2 instance failures. You are required to
accomplish this task in the most cost-effective way. Which of the following will
meet your requirements? *
(1/1 Point)

◉ Spot Instances ✓

○ Reserved instances

&#9675; Dedicated instances

&#9675; On-Demand instances

23. What is the service provided by AWS that lets you host Domain Name systems?
Please choose on answer from the options below. *
(1/1 Point)

&#9673; Route 53 &#10003;

&#9675; VPC

&#9675; Direct Connect

&#9675; VPN

24. What is the service provided by AWS that allows developers to easily deploy
and manage applications on the cloud? Please choose on answer from the
options below. *
(1/1 Point)

&#9675; CloudFormation

&#9673; Elastic Beanstalk &#10003;

&#9675; Opswork

&#9675; Container service

25. A company is deploying a new two-tier web application in AWS. The company
wants to store their most frequently used data so that the response time for
the application is improved. Which AWS service provides the solution for the
company's requirements? *
(1/1 Point)

&#9675; MySQL Installed on two Amazon EC2 Instances in a single Availability Zone

&#9675; Amazon RDS for MySQL with Multi-AZ

&#9673; Amazon ElastiCache &#10003;

&#9675; Amazon DynamoDB

26. If you wanted to take a backup of an EBS Volume, what would you do? *
(1/1 Point)

○ Store the EBS volume in S3

○ Store the EBS volume in an RDS database

● Create an EBS snapshot ✓

○ Store the EBS volume in DynamoDB

27. What does Amazon EC2 provide? *
(1/1 Point)

● Virtual servers in the Cloud. ✓

○ A platform to run code (Java, PHP, Python), paying on an hourly basis.

○ Computer Clusters in the Cloud.

○ Physical servers remotely managed by the customer.

28. Which of the following options of AWS RDS allows for AWS to failover to a secondary database in case the primary one fails? *
(1/1 Point)

● AWS Multi-AZ ✓

○ AWS Failover

○ AWS Secondary

○ AWS Standby

29. What service from AWS can help manage the costs for all resources in AWS? *
(1/1 Point)

● Cost Explorer ✓

○ Cost Allocation Tags

○ AWS Consolidated billing

○ Payment History

30. What service helps you to aggregate logs from your EC2 instance? Choose one answer from the options below: *
(1/1 Point)

○ SQS

○ S3

○ CloudTrail

● CloudWatch Logs ✓

31. Which of the following items allow an application deployed on an EC2 instance to write data to S3 in a secure manner? *
(1/1 Point)

○ AWS IAM Users

● AWS IAM Roles ✓

○ AWS IAM Groups

○ AWS IAM Permissions

32. What are the four levels of AWS Premium Support? *
(1/1 Point)

● Basic, Developer, Business, Enterprise ✓

○ Basic, Startup, Business, Enterprise

○ Free, Bronze, Silver, Gold

○ All support is free

33. Which of the following are attributes of the costs for using the Simple Storage Service? Choose 2 answers from the options given below: *
(1/1 Point)

○ The storage class used for the objects stored.

○ Number of S3 buckets

◉ The total size in gigabytes of all objects stored. ✓

○ Using encryption in S3

34. If you want to develop an application in Java, which of the following tools would you use? *
(1/1 Point)

◉ AWS SDK ✓

○ AWS PowerShell

○ AWS CLI

○ AWS Console

35. Which of the following services helps provide a connection from on-premise infrastructure to resources hosted in the AWS Cloud? Choose 2 answers from the options given below: *
(1/1 Point)

☐ AWS VPC

☑ AWS VPN ✓

☑ AWS Direct Connect ✓

☐ AWS Subnets

36. Which of the following is not a disaster recovery deployment technique? *
(1/1 Point)

○ Pilot light

◯ Warm standby

◉ Single Site ✓

◯ Multi-Site

37. An IT company is on a cost-optimization spree and wants to identify all EC2 instances that are under-utilized. Which AWS service can be used to address this use-case? *
(1/1 Point)

◯ Amazon ECS

◯ Amazon S3

◯ Amazon SageMaker

◉ AWS Trusted Advisor ✓

38. Which of the following statements is the MOST accurate when describing AWS Elastic Beanstalk? *
(1/1 Point)

☐ It is an Infrastructure as Code which allows you to model and provision resources needed for an application

☐ It is a Platform as a Service (PaaS) which allows you to model and provision resources needed for an application

☐ It is an Infrastructure as a Service (IaaS) which allows you to deploy and scale web applications and services

☑ It is a Platform as a Service (PaaS) which allows you to deploy and scale web applications and services                                                            ✓

39. Which of the following is a recommended way to provide programmatic access to AWS resources? *
(1/1 Point)

◯ Create a new IAM user and share the username and password

◯ Use Multi Factor Authentication to access AWS resources programmatically

○ Use IAM Groups to access AWS resources programmatically

◉ Use Access Key ID and Secret Access Key to access AWS resources programmatically ✓

40. A multi-national company has just moved its infrastructure from its on-premises data center to AWS Cloud. As part of the shared responsibility model, AWS is responsible for which of the following? *
(1/1 Point)

◉ Physical and Environmental Controls ✓

○ Service and Communications

○ Configuring customer applications

○ Patching guest OS

41. AWS Shield Advanced provides expanded DDoS attack protection for web applications running on which of the following resources? (Select two) *
(1/1 Point)

☐ AWS CloudFormation

☑ Amazon Route 53 ✓

☐ Amazon API Gateway

☐ AWS Elastic Beanstalk

☑ AWS Global Accelerator ✓

42. Which of the following is the MOST cost-effective option to purchase an EC2 Reserved Instance? *
(1/1 Point)

○ No upfront payment option with standard 1-year term

○ No upfront payment option with standard 1-year term

◉ Partial upfront payment option with standard 3-years term ✓

○ No upfront payment option with standard 3-years term

43. A log archival application deployed on Amazon EC2 instances runs every
    Monday between 3 AM and 5 AM. Can you suggest a cost-effective EC2
    instance purchasing option for this use-case? *
    (1/1 Point)

    ○ Reserved Instances

    ○ On-Demand Instances

    ○ Spot Instances

    ◉ Scheduled Reserved Instances ✓

44. Which AWS service can be used to store, manage, and deploy Docker container
    images? *
    (1/1 Point)

    ◉ Elastic Container Registry ✓

    ○ EC2

    ○ Lambda

    ○ Elastic Container Service

45. Which of the following AWS services can be used to prevent Distributed Denial-
    of-Service (DDoS) attack? (Select three) *
    (1/1 Point)

    ☐ Inspector

    ☑ CloudFront with Route 53 ✓

    ☑ WAF ✓

    ☑ Shield ✓

46. An online gaming company wants to block users from certain geographies from accessing its content. Which AWS services can be used to accomplish this task? (Select two) *
(1/1 Point)

☐ Cloudwatch

☑ Route 53 ✓

☑ WAF ✓

☐ Shield

47. As per the AWS shared responsibility model, which of the following is a responsibility of AWS from a security and compliance point of view? *
(1/1 Point)

◯ Customer Data

◯ Identity and Access Management

◯ Server-Side Encryption

◉ Edge Location Management ✓

48. Which of the following solutions can you use to connect your on-premises network with AWS Cloud (Select two).
*
(1/1 Point)

☑ VPC ✓

☑ Direct Connect ✓

☐ Internet Gateway

☐ VPM

49. Which of the following scenarios is most appropriate to implement Amazon ElastiCache in order to improve on performance? *
(1/1 Point)

○ Where there are frequent writes to a database instance

○ Where there are frequent reads of static content on a web application

○ Where there are frequent reads of dynamic content on a web application

◉ Where there are infrequent random reads to static content on a web application ✓

50. You create a new subnet and then add a route to your route table that routes traffic out from that subnet to the Internet using an IGW. What type of subnet have you created?
*
(1/1 Point)

○ An internal subnet

○ A private subnet

○ An external subnet

◉ A public subnet ✓

51. What happens when you create a new Amazon VPC?
*
(1/1 Point)

◉ A main route table is created by default. ✓

○ Three subnets are created by default—one for each Availability Zone.

○ Three subnets are created by default in one Availability Zone

○ An IGW is created by default.

52. How many IGWs can you attach to an Amazon VPC at any one time?
    *
    (1/1 Point)

    ◉ 1  ✓

    ○ 2

    ○ 3

    ○ 4

53. What aspect of an Amazon VPC is stateful?
    *
    (1/1 Point)

    ○ Network ACLs

    ◉ Security groups  ✓

    ○ Amazon DynamoDB

    ○ Amazon S3

54. What is the default limit for the number of Amazon VPCs that a customer may have in a region?
    *
    (1/1 Point)

    ◉ 5  ✓

    ○ 6

    ○ 7

    ○ There is no default maximum number of VPCs within a region.

55. You are responsible for your company's AWS resources, and you notice a significant amount of traffic from an IP address in a foreign country in which your company does not have customers. Further investigation of the traffic indicates the source of the traffic is scanning for open ports on your EC2-VPC instances. Which one of the following resources can deny the traffic from reaching the instances? *
(1/1 Point)

○ Security group

◉ Network ACL ✓

○ NAT instance

○ An Amazon VPC endpoint

56. Which of the following is the security protocol supported by Amazon VPC?
*
(1/1 Point)

○ SSH

○ Advanced Encryption Standard (AES)

○ Point-to-Point Tunneling Protocol (PPTP)

◉ IPsec ✓

57. Which of the following Amazon VPC resources would you use in order for EC2-VPC instances to send traffic directly to Amazon S3?
*
(1/1 Point)

○ Amazon S3 gateway

○ IGW

○ CGW

◉ VPC endpoint ✓

58. What properties of an Amazon VPC must be specified at the time of creation? (Choose 2 answers)
    *

    (1/1 Point)

    ○ The CIDR block representing the IP address range

    ○ One or more subnets for the Amazon VPC

    ◉ The region for the Amazon VPC  ✓

    The CIDR block is specified upon creation and cannot be changed. An Amazon VPC is associated with exactly one region which must be specified upon creation. You can add a subnet to an Amazon VPC any time after it has been created, provided its address range falls within the Amazon VPC CIDR block and does not overlap with the address range of any existing CIDR block. You can set up peering relationships between Amazon VPCs after they have been created.

    ○ Amazon VPC Peering relationships

59. Which service would you use to send alerts based on Amazon CloudWatch alarms?
    *

    (1/1 Point)

    ○ . AWS CloudTrail

    ○ Amazon Route 53

    ○ AWS Trusted Advisor

    ◉ Amazon SNS  ✓

    Amazon SNS is the service you would use to send alerts.

60. How long does Amazon CloudWatch keep metric data?
    *

    (1/1 Point)

    ◉ 15 months  ✓

    ○ 24 months

    ○ 1 months

○ 12 months

61. Which of the following are required elements of an Auto Scaling group? (Choose two)
*
(1/1 Point)

☐ Desired Capacity

☑ Launch Configuration ✓

☐ Health checks

☑ Minimum size ✓

62. Amazon CloudWatch supports which types of monitoring plans? (Choose two)
*
(1/1 Point)

☑ Detailed monitoring, which has an additional cost. ✓

☐ Detailed monitoring, which is free.

☐ Basic Monitoring, which has an additional cost.

☐ Ad hoc monitoring, which has an additional a cost.

☑ Basic monitoring, which is free ✓

63. Which AWS database service is best suited for traditional Online Transaction Processing (OLTP)?
*
(1/1 Point)

○ Amazon Redshift

◉ Amazon RDS ✓

○ Amazon Glacier

○ Elastic Database

✕

64. Your team is building an order processing system that will span multiple Availability Zones. During testing, the team wanted to test how the application will react to a database failover. How can you enable this type of test? *
(0/1 Point)

○ Force a Multi-AZ failover from one Availability Zone to another by rebooting the primary instance using the Amazon RDS console.            ✓

○ Terminate the DB instance, and create a new one. Update the connection string.

◉ Create a support case asking for a failover.

○ It is not possible to test a failover.

65. You are building the database tier for an enterprise application that gets occasional activity throughout the day. Which storage type should you select as your default option? *
(1/1 Point)

○ Magnetic storage

◉ General Purpose Solid State Drive (SSD)   ✓

○ Provisioned IOPS (SSD)

○ Storage Area Network (SAN)-attached

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