

AWS Certified Cloud Practitioner: Test 4

1. Which of the following need to be included in a total cost of ownership (TCO) analysis? (Select TWO.)
 - a. IT Manager salary
 - b. Application development
 - c. Data center security costs
 - d. Company wide marketing
 - e. Facility equipment installation

2. Which feature of AWS IAM enables you to identify unnecessary permissions that have been assigned to users?
 - a. Access Advisor
 - b. Group Advisor
 - c. Permissions Advisor
 - d. Role Advisor

3. Which Amazon EC2 pricing model should be used to comply with per-core software license requirements?
 - a. On-Demand Instances
 - b. Reserved Instances
 - c. Dedicated Hosts
 - d. Spot Instances

4. Which type of AWS Storage Gateway can be used to backup data with popular backup software?
 - a. File Gateway
 - b. Volume Gateway
 - c. Backup Gateway
 - d. Gateway Virtual Tape Library

5. Which AWS service allows you to automate the evaluation of recorded configurations against desired configuration?
 - a. AWS CloudFormation
 - b. AWS OpsWorks
 - c. AWS Config
 - d. AWS Service Catalog

6. What billing timeframes are available for Amazon EC2 on-demand instances? (Select TWO.)

- a. Per week
- b. Per second
- c. Per minute
- d. Per hour
- e. Per day

7. When using Amazon RDS databases, which items are you charged for? (Select TWO.)

- a. Backup up to the DB size
- b. Outbound data transfer
- c. Multi AZ
- d. Inbound data transfer
- e. Single AZ

8. Which storage type can be mounted using the NFS protocol to many EC2 instances simultaneously?

- a. Amazon Instance Store
- b. Amazon EBS
- c. Amazon S3
- d. Amazon EFS

9. What is the scope of an Amazon Virtual Private Cloud (VPC)?

- a. It spans all Availability Zones within a region
- b. It spans all Availability Zones in all regions
- c. It spans a single CIDR block
- d. It spans multiple subnets

10. What is the difference between an EBS volume and an Instance store?

- a. EBS volumes are object storage devices whereas Instance store volume are block

Based.

- b. EBS volumes are file-level storage devices whereas Instance store volumes are

object-based.

- c. Instance store volumes are ephemeral whereas EBS volumes are persistent storage
- d. Instance store volumes can be used with all EC2 instance types whereas EBS cannot

11. What is the most cost-effective Amazon S3 storage tier for data that is not often accessed but requires high availability?
- a. Amazon S3 One Zone-IA
 - b. Amazon Glacier
 - c. Amazon S3 Standard-IA
 - d. Amazon S3 Standard
12. What are the fundamental charges for an Amazon EC2 instance? (Select TWO.)
- a. Your own AMIS
 - b. Basic monitoring
 - c. Data storage
 - d. Private IP address
 - e. Server uptime
13. Which of the advantages of cloud listed below is most closely addressed by the capabilities of AWS Auto Scaling?
- a. Stop guessing about capacity
 - b. Benefit from massive economies of scale
 - c. Go global in minutes
 - d. Stop spending money running and maintaining data centers
14. Which tool can be used to create alerts when the actual or forecasted cost of AWS services exceed a certain threshold?
- a. AWS Cost Explorer
 - b. AWS Cost and Usage report
 - c. AWS Budgets
 - d. AWS CloudTrail
15. Which AWS service provides a quick and automated way to create and manage AWS accounts?
- a. Amazon LightSail
 - b. AWS Organizations
 - c. Amazon Connect
 - d. AWS QuickSight
16. When performing a total cost of ownership (TCO) analysis between on-premises and the AWS Cloud, which factors are only relevant to on-premises deployments? (Select TWO.)
- a. Database administration
 - b. Facility operations costs
 - c. Operating system licensing
 - d. Hardware procurement teams
 - e. Application licensing

17. Which tool can be used to provide real time guidance on provisioning resources following AWS best practices?
- a. **AWS Trusted Advisor**
 - b. AWS Simple Monthly Calculator
 - c. AWS Inspector
 - d. AWS Personal Health Dashboard
18. Which Amazon EC2 pricing option provides significant discounts for fixed term contracts?
- a. Spot Instances
 - b. **Reserved Instances**
 - c. Dedicated Instances
 - d. Dedicated Hosts
19. An organization has multiple AWS accounts and uses a mixture of on-demand and reserved instances. One account has a considerable amount of unused reserved instances. How can the organization reduce their costs? (Select TWO.)
- a. **Setup consolidated billing between the accounts**
 - b. Use Spot instances instead
 - c. Redeem their reserved instances
 - d. **Create an AWS Organization configuration linking the accounts**
 - e. Switch to using placement groups
20. Where can resources be launched when configuring Amazon EC2 Auto Scaling?
- a. **Multiple AZs within a region**
 - b. Multiple AZs and multiple regions
 - c. A single subnet
 - d. Multiple VPCS
21. Which type of security control can be used to deny network access from a specific IP address?
- a. AWS Shield
 - b. Security Group
 - c. **Network ACL**
 - d. AWS WAF
22. An organization has an on-premises cloud and accesses their AWS Cloud over the Internet. How can they create a private hybrid cloud connection that avoids the internet?
- a. AWS VPC Endpoint
 - b. **AWS Direct Connect**
 - c. AWS VPN CloudHub
 - d. AWS Managed VPN

23. Which type of connection should be used to connect an on-premises data center with the AWS cloud that is high speed, low latency and does not use the Internet?

- a. AWS Managed VPN
- b. Direct Connect
- c. VPC Endpoints
- d. Client VPN

24. The AWS acceptable use policy for penetration testing allows?

- 1. Customers to carry out security assessments or penetration tests against their AWS infrastructure after obtaining authorization from AWS.
- 2. Authorized security assessors to perform penetration tests against any AWS customer without authorization.
- 3. Customers to carry out security assessments or penetration tests against their AWS infrastructure without prior approval for selected services.
- 4. AWS to perform penetration testing against customer resources without notification.

25. Which of the following are advantages of the AWS Cloud? (Select TWO.)

- a. AWS manages the maintenance of the cloud infrastructure
- b. AWS manages the security of applications built on AWS
- c. AWS manages capacity planning for physical servers
- d. AWS manages cost planning for virtual servers
- e. AWS manages the development of applications on AWS

26. Which Amazon RDS deployment type is best used to enable fault tolerance in the event of the failure of an availability zone?

- a. Read Replicas
- b. Write Replicas
- c. Multiple Regions
- d. Multiple Availability Zones

27. Which of the following can be assigned to an IAM user? (Select TWO.)

- a. An access key ID and secret access key
- b. A key pair
- c. A password for logging into Linux
- d. An SSL/TLS certificate
- e. A password for access to the management console

28. How does "elasticity" benefit an application design?
- a. By reserving capacity to reduce cost
 - b. By selecting the correct storage tier for your workload
 - c. By automatically scaling resources based on demand
 - d. By reducing interdependencies between application components
29. What types of monitoring can Amazon CloudWatch be used for? (Select TWO.)
- a. Infrastructure
 - b. API access
 - c. Data center
 - d. Application performance
 - e. Operational health
30. You would like to collect custom metrics from a production application every 1 minute. What type of monitoring should you use?
- a. CloudWatch with detailed monitoring
 - b. CloudTrail with detailed monitoring
 - c. CloudWatch with basic monitoring
 - d. CloudTrail with basic monitoring
31. The ability to horizontally scale Amazon EC2 instances based on demand is an example of which concept?
- a. Agility
 - b. High availability
 - c. Elasticity
 - d. Economy of scale
32. Which Amazon EC2 billing option gives you low cost, maximum flexibility, no upfront costs or commitment, and you only pay for what you use?
- a. Spot Instances
 - b. Reserved Instances
 - c. Dedicated Host
 - d. On-Demand Instances
33. Which of the options below are recommendations in the reliability pillar of the well-architected framework? (Select TWO.)
- a. Stop guessing about capacity
 - b. Scale vertically using big systems
 - c. Manually recover from failure
 - d. Test recovery procedures
 - e. Manage change in manual processes

34. Which service can be used to assign a policy to a group?

- a. AWSN STS
- b. AWS Shield
- c. Amazon Cognito
- d. AWS IAM

35. How can consolidated billing within AWS Organizations help lower overall monthly expenses?

- a. By leveraging service control policies (SCP) for centralized service management
- b. By providing a consolidated view of monthly billing across multiple accounts
- c. By automating the creation of new accounts through APIS
- d. By pooling usage across multiple accounts to achieve a pricing tier discount

36. What is the benefit of using fully managed services compared to deploying 3rd party software on EC2?

- a. Improved security
- b. You have greater control and flexibility
- c. Reduced operational overhead
- d. You don't need to back-up your data

37. Which service can be used to manage configuration versions?

- a. Amazon Inspector
- b. AWS Config
- c. AWS Artifact
- d. AWS Service Catalog

38. How are AWS Lambda functions triggered?

- a. Metrics
- b. Events
- c. Schedules
- d. Counters

39. Which Compute service should be used for running a Linux operating system upon which you will install custom software?

- a. Amazon EKS
- b. AWS Lambda
- c. Amazon EC2
- d. Amazon ECS

40. What are two examples of the advantages of cloud computing? (Select TWO.)

- a. Benefit from massive economies of scale
- b. Increase speed and agility
- c. Secure data centers
- d. Trade operating costs for capital costs
- e. Trade variable expense for capital expense

41. In addition to DNS services, what other services does Amazon Route 53 provide? (Select TWO.)

- a. Caching
- b. DHCP
- c. Traffic flow
- d. Domain registration
- e. IP Routing

42. What does an organization need to do to move to another AWS region?

- a. Just start deploying resources in the additional region
- b. Submit an application to extend their account to the additional region
- c. Create a separate IAM account for that region
- d. Apply for another AWS account in that region

43. What are the fundamental charges for Elastic Block Store (EBS) volumes? (Select TWO.)

- a. The amount of data storage consumed
- b. Inbound data transfer
- c. The amount of data storage provisioned
- d. Provisioned IOPS
- e. Number of snapshots

44. Which AWS service uses a highly secure hardware storage device to store encryption keys?

- a. AWS CloudHSM
- b. AWS IAM
- c. AWS WAF
- d. Amazon Cloud Directory

45. What are two components of Amazon S3? (Select TWO.)

- a. Block devices
- b. File systems
- c. Directories
- d. Buckets
- e. Objects

46. Which of the below are components that can be configured in the VPC section of the AWS management console? (Select TWO.)

- a. Endpoints
- b. EBS volumes
- c. Elastic Load Balancer
- d. DNS records
- e. Subnet

47. Which of the following is a benefit of moving to the AWS Cloud?

- a. Pay for what you use
- b. Outsource all IT operations
- c. Long term commitments
- d. Capital purchases

48. To reduce the price of your Amazon EC2 instances, which term lengths are available for reserved instances? (Select TWO.)

- a. 5 years
- b. 3 years
- c. 1 year
- d. 2 years
- e. 4 years

49. Which statement is true in relation to data stored within an AWS Region?

- a. Data is always replicated to another region
- b. Data is automatically archived after 90 days
- c. Data is always automatically replicated to at least one other availability zone
- d. Data is not replicated outside of a region unless you configure it

50. What is the main benefit of the principle of "loose coupling"?

- a. Reduce interdependencies so a failure in one component does not cascade to other components

- b. Reduce operational complexity
- c. Automate the deployment of infrastructure using code
- d. Enables applications to scale automatically based on current demand

51. Which services can be used for asynchronous integration between application components? (Select TWO.)

- a. AWS CloudFormation
- b. Amazon Step Functions
- c. AWS Route 53
- d. Amazon SQS
- e. Amazon EC2 Auto Scaling

52. Which statement is correct in relation to the AWS Shared Responsibility Model?

- a. AWS are responsible for the security of regions and availability zones
- b. Customers are responsible for patching storage systems
- c. Customers are responsible for security of the cloud
- d. AWS are responsible for encrypting customer data

53. What does an organization need to do in Amazon IAM to enable user access to services being launched in new region?

- a. Create new user accounts in the new region
- b. Enable global mode in IAM to provision the required access
- c. Nothing, IAM is global
- d. Update the user accounts to allow access from another region

54. Which AWS service should be used to create a billing alarm?

- a. Amazon CloudWatch
- b. AWS Trusted Advisor
- c. Amazon QuickSight
- d. AWS CloudTrail

55. Which of the following is an advantage of cloud computing compared to deploying your own infrastructure on-premise?

- a. Spend using a CAPEX model
- b. Paying only for what you use
- c. Flexibility to choose your own hardware
- d. Ability to choose bespoke infrastructure configurations

56. Which service can be added to a database to provide improved performance for some requests?

- a. Amazon EFS
- b. Amazon ElastiCache
- c. Amazon RedShift
- d. Amazon RDS

57. Which service can be used to improve performance for users around the world?

- a. Amazon Connect
- b. Amazon ElastiCache
- c. AWS LightSail
- d. Amazon CloudFront

58. A user has an AWS account with a Business-level AWS Support plan and needs assistance with handling a production service disruption.

Which action should the user take?

- a. Open a production system down support case
- b. Open a business-critical system down support case
- c. Contact the dedicated Technical Account Manager
- d. Contact the dedicated AWS Concierge Support team

59. Which of the following are architectural best practices for the AWS Cloud?
(Select TWO.)

- a. Create monolithic architectures
- b. Deploy into a single availability zone
- c. Design for fault tolerance
- d. Deploy into multiple Availability Zones
- e. Close coupling

60. Which of the following is an architectural best practice recommended by AWS?

- a. Think servers, not services
- b. Design for success
- c. Use manual operational processes
- d. Design for failure

61. Which team is available to support AWS customers on an Enterprise support plan with account issues?

- a. AWS Billing and Accounts
- b. AWS Concierge
- c. AWS Technical Account Manager
- d. AWS Technical Support

62. Which AWS service enables hybrid cloud storage between on-premises and the AWS Cloud?

- a. Amazon CloudFront
- b. Amazon S3 Cross Region Replication (CRR)
- c. Amazon Elastic File System (EFS)
- d. AWS Storage Gateway

63. Which AWS service lets you add user sign up, sign-in and access control to web and mobile apps?

- a. AWS CloudHSM
- b. AWS Artifact
- c. AWS Directory Service
- d. Amazon Cognito

64. Which of the following security related activities are AWS customers responsible for? (Select TWO.)

- a. Installing patches on Windows operating systems
- b. Implementing data center access controls
- c. Installing patches on network devices
- d. Implementing IAM password policies
- e. Secure disposal of faulty disk drives

65. Which of the below are good use cases for a specific Amazon EC2 pricing model? (Select TWO.)

- a. Reserved instances for applications with flexible start and end times
- b. Reserved instances for steady state predictable usage
- c. Spot for consistent load over a long term
- d. On-demand for ad-hoc requirements that cannot be interrupted
- e. On-demand for regulatory requirements that do not allow multi-tenant virtualization