**CLOUD PRACTITIONER EXAM - 3**

**QUESTION NO: 1**

A company is planning to run a global marketing application in the AWS Cloud. The application will feature videos that can be viewed by users. The company must ensure that all users can view these videos with low latency.

Which AWS service should the company use to meet this requirement?

1. AWS Auto Scaling
2. Amazon Kinesis Video Streams
3. Elastic Load Balancing
4. Amazon CloudFront

**QUESTION NO: 2**

Which pillar of the AWS Well-Architected Framework refers to the ability of a system to recover from infrastructure or service disruptions and dynamically acquire computing resources to meet demand?

1. Security
2. Reliability
3. Performance efficiency
4. Cost optimization

**QUESTION NO: 3**

A company is planning to replace its physical on-premises compute servers with AWS serverless compute services. The company wants to be able to take advantage of advanced technologies quickly after the migration.

Which pillar of the AWS Well-Architected Framework does this plan represent?

1. Security
2. Performance efficiency
3. Operational excellence
4. Reliability

**QUESTION NO: 4**

Which AWS service or feature is used to send both text and email messages from distributed applications?

1. Amazon Simple Notification Service (Amazon SNS)
2. Amazon Simple Email Service (Amazon SES)
3. Amazon CloudWatch alerts
4. Amazon Simple Queue Service (Amazon SQS)

**QUESTION NO: 5**

A company wants to review its monthly costs of using Amazon EC2 and Amazon RDS for the past year.

Which AWS service or tool provides this information?

1. AWS Trusted Advisor
2. Cost Explorer
3. Amazon Forecast
4. Amazon ClouWatch

**QUESTION NO: 6**

A company wants to migrate a critical application to AWS. The application has a short runtime. The application is invoked by changes in data or by shifts in system state. The company needs a compute solution that maximizes operational efficiency and minimizes the cost of running the application.

Which AWS solution should the company use to meet these requirements?

1. Amazon EC2 On-Demand Instances
2. AWS Lambda
3. Amazon EC2 Reserved Instances
4. Amazon EC2 Spot Instances

**QUESTION NO: 7**

Which AWS service or feature allows users to connect with and deploy AWS services programmatically?

1. AWS Management Console
2. AWS Cloud9
3. AWS CodePipeline
4. AWS software development kits (SDKs)

**QUESTION NO: 8**

A company is launching an ecommerce application that must always be available. The application will run on Amazon EC2 instances continuously for the next 12 months.

What is the MOST cost-effective instance purchasing option that meets these requirements?

1. Spot Instances
2. Savings Plans
3. Dedicated Hosts
4. On-Demand Instances

**QUESTION NO: 9**

Which AWS service or feature can a company use to determine which business unit is using specific AWS resources?

1. Cost allocation tags
2. Key pairs
3. Amazon Inspector
4. AWS Trusted Advisor

**QUESTION NO: 10**

A company wants to migrate its workloads to AWS, but it lacks expertise in AWS Cloud computing. Which AWS service or feature will help the company with its migration?

1. AWS Trusted Advisor
2. AWS Consulting Partners
3. AWS Artifacts
4. AWS Managed Services

**QUESTION NO: 11**

Which AWS service or tool should a company use to centrally request and track service limit increases?

1. AWS Config
2. Service Quotas
3. AWS Service Catalog
4. AWS Budgets

**QUESTION NO: 12**

A company wants to limit its employees’ AWS access to a portfolio of predefined AWS resources. Which AWS solution should the company use to meet this requirement?

1. AWS Config
2. AWS software development kits (SDKs)
3. AWS Service Catalog
4. AWS AppSync

**QUESTION NO: 13**

AWS has the ability to achieve lower pay-as-you-go pricing by aggregating usage across hundreds of thousands of users.

This describes which advantage of the AWS Cloud?

1. Launch globally in minutes
2. Increase speed and agility
3. High economies of scale
4. No guessing about compute capacity

**QUESTION NO: 14**

A company has designed its AWS Cloud infrastructure to run its workloads effectively. The company also has protocols in place to continuously improve supporting processes.

Which pillar of the AWS Well-Architected Framework does this scenario represent?

1. Security
2. Performance efficiency
3. Cost optimization
4. Operational excellence

**QUESTION NO: 15**

Which AWS service or feature can be used to create a private connection between an on-premises workload and an AWS Cloud workload?

1. Amazon Route 53
2. Amazon Macie
3. AWS Direct Connect
4. AWS PrivateLink

**QUESTION NO: 16**

A company needs to graphically visualize AWS billing and usage over time. The company also needs information about its AWS monthly costs.

Which AWS Billing and Cost Management tool provides this data in a graphical format?

1. AWS Bills
2. Cost Explorer
3. AWS Cost and Usage Report
4. AWS Budgets

**QUESTION NO: 17**

Which architecture design principle describes the need to isolate failures between dependent components in the AWS Cloud?

1. Use a monolithic design.
2. Design for automation.
3. Design for single points of failure.
4. Loosely couple components.

**QUESTION NO: 18**

A company recently deployed an Amazon RDS instance in its VPC. The company needs to implement a stateful firewall to limit traffic to the private corporate network.

Which AWS service or feature should the company use to limit network traffic directly to its RDS instance?

1. Network ACLs
2. Security groups
3. AWS WAF
4. Amazon GuardDuty

**QUESTION NO: 19**

Which AWS service uses machine learning to help discover, monitor, and protect sensitive data that is stored in Amazon S3 buckets?

1. AWS Shield
2. Amazon Macie
3. AWS Network Firewall
4. Amazon Cognito

**QUESTION NO: 20**

A company wants to improve the overall availability and performance of its applications that are hosted on AWS.

Which AWS service should the company use?

1. Amazon Connect
2. Amazon Lightsail
3. AWS Global Accelerator
4. AWS Storage Gateway

**QUESTION NO: 21**

Which AWS service or feature identifies whether an Amazon S3 bucket or an IAM role has been shared with an external entity?

1. AWS Service Catalog
2. AWS Systems Manager
3. AWS IAM Access Analyzer
4. AWS Organizations

**QUESTION NO: 22**

A company does not want to rely on elaborate forecasting to determine its usage of compute resources. Instead, the company wants to pay only for the resources that it uses. The company also needs the ability to increase or decrease its resource usage to meet business requirements.

Which pillar of the AWS Well-Architected Framework aligns with these requirements?

1. Operational excellence
2. Security
3. Reliability
4. Cost optimization

**QUESTION NO: 23**

A company wants to launch its workload on AWS and requires the system to automatically recover from failure.

Which pillar of the AWS Well-Architected Framework includes this requirement?

1. Cost optimization
2. Operational excellence
3. Performance efficiency
4. Reliability

**QUESTION NO: 24**

A large enterprise with multiple VPCs in several AWS Regions around the world needs to connect and centrally manage network connectivity between its VPCs.

Which AWS service or feature meets these requirements?

1. AWS Direct Connect
2. AWS Transit Gateway
3. AWS Site-to-Site VPN
4. VPC endpoints

**QUESTION NO: 25**

Which AWS service supports the creation of visual reports from AWS Cost and Usage Report data?

1. Amazon Athena
2. Amazon QuickSight
3. Amazon CloudWatch
4. AWS Organizations

**QUESTION NO: 26**

A user wants to deploy a service to the AWS Cloud by using infrastructure-as-code (IaC) principles.

Which AWS service can be used to meet this requirement?

1. AWS Systems Manager
2. AWS CloudFormation
3. AWS CodeCommit
4. AWS Config

**QUESTION NO: 27**

A company that has multiple business units wants to centrally manage and govern its AWS Cloud environments. The company wants to automate the creation of AWS accounts, apply service control policies (SCPs), and simplify billing processes.

Which AWS service or tool should the company use to meet these requirements?

1. AWS Organizations
2. Cost Explorer
3. AWS Budgets
4. AWS Trusted Advisor

**QUESTION NO: 28**

Which IT controls do AWS and the customer share, according to the AWS shared responsibility model? (Choose two.)

1. Physical and environmental controls
2. Patch management
3. Cloud awareness and training
4. Zone security
5. Application data encryption

**QUESTION NO: 29**

A manufacturing company has a critical application that runs at a remote site that has a slow internet connection. The company wants to migrate the workload to AWS. The application is sensitive to latency and interruptions in connectivity. The company wants a solution that can host this application with minimum latency.

Which AWS service or feature should the company use to meet these requirements?

1. Availability Zones
2. AWS Local Zones
3. AWS Wavelength
4. AWS Outposts

**QUESTION NO: 30**

A company wants to implement threat detection on its AWS infrastructure. However, the company does not want to deploy additional software.

Which AWS service should the company use to meet these requirements?

1. Amazon VPC
2. Amazon EC2
3. Amazon GuardDuty
4. AWS Direct Connect

**QUESTION NO: 31**

Which AWS service or feature checks access policies and offers actionable recommendations to help users set secure and functional policies?

1. AWS Systems Manager
2. AWS IAM Access Analyzer
3. AWS Trusted Advisor
4. Amazon GuardDuty

**QUESTION NO: 32**

A retail company needs to build a highly available architecture for a new ecommerce platform. The company is using only AWS services that replicate data across multiple Availability Zones.

Which AWS services should the company use to meet this requirement? (Choose two.)

1. Amazon EC2
2. Amazon Elastic Block Store (Amazon EBS)
3. Amazon Aurora
4. Amazon DynamoDB
5. Amazon Redshift

**QUESTION NO: 33**

A company wants to convert video files and audio files from their source format into a format that will play on smartphones, tablets, and web browsers.

Which AWS service will meet these requirements?

1. Amazon Elastic Transcoder
2. Amazon Comprehend
3. AWS Glue
4. Amazon Rekognition

**QUESTION NO: 34**

Which of the following are benefits of Amazon EC2 Auto Scaling? (Choose two.)

1. Improved health and availability of applications
2. Reduced network latency
3. Optimized performance and costs
4. Automated snapshots of data
5. Cross-Region Replication

**QUESTION NO: 35**

A company wants to eliminate the need to guess infrastructure capacity before deployments. The company also wants to spend its budget on cloud resources only as the company uses the resources.

Which advantage of the AWS Cloud matches the company’s requirements?

1. Reliability
2. Global reach
3. Economies of scale
4. Pay-as-you-go pricing

**QUESTION NO: 36**

Which AWS service supports a hybrid architecture that gives users the ability to extend AWS infrastructure, AWS services, APIs, and tools to data centers, co-location environments, or on- premises facilities?

1. AWS Snowmobile
2. AWS Local Zones
3. AWS Outposts
4. AWS Fargate

**QUESTION NO: 37**

A company has a physical tape library to store data backups. The tape library is running out of space. The company needs to extend the tape library’s capacity to the AWS Cloud.

Which AWS service should the company use to meet this requirement?

1. Amazon Elastic Block Store (Amazon EBS)
2. Amazon S3
3. Amazon Elastic File System (Amazon EFS)
4. AWS Storage Gateway

**QUESTION NO: 38**

Which AWS service can be used to turn text into lifelike speech?

1. Amazon Polly
2. Amazon Kendra
3. Amazon Rekognition
4. Amazon Connect

**QUESTION NO: 39**

Which AWS service or tool can be used to capture information about inbound and outbound traffic in an Amazon VPC?

1. VPC Flow Logs
2. Amazon Inspector
3. VPC endpoint services
4. NAT gateway

**QUESTION NO: 40**

Which AWS services should a company use to read and write data that changes frequently? (Choose two.)

1. Amazon S3 Glacier
2. Amazon RDS
3. AWS Snowball
4. Amazon Redshift
5. Amazon Elastic File System (Amazon EFS)

**QUESTION NO: 41**

Which AWS service is used to provide encryption for Amazon EBS?

1. AWS Certificate Manager
2. AWS Systems Manager
3. AWS KMS
4. AWS Config

**QUESTION NO: 42**

Which AWS services make use of global edge locations? (Choose two.)

1. AWS Fargate
2. Amazon CloudFront
3. AWS Global Accelerator
4. AWS Wavelength
5. Amazon VPC

**QUESTION NO: 43**

A company is operating several factories where it builds products. The company needs the ability to process data, store data, and run applications with local system interdependencies that require low latency.

Which AWS service should the company use to meet these requirements?

1. AWS IoT Greengrass
2. AWS Lambda
3. AWS Outposts
4. AWS Snowball Edge

**QUESTION NO: 44**

Which of the following is a recommended design principle for AWS Cloud architecture?

1. Design tightly coupled components.
2. Build a single application component that can handle all the application functionality.
3. Make large changes on fewer iterations to reduce chances of failure.
4. Avoid monolithic architecture by segmenting workloads.

**QUESTION NO: 45**

A company is designing its AWS workloads so that components can be updated regularly and so that changes can be made in small, reversible increments.

Which pillar of the AWS Well-Architected Framework does this design support?

1. Security
2. Performance efficiency
3. Operational excellence
4. Reliability

**QUESTION NO: 46**

Which of the following acts as an instance-level firewall to control inbound and outbound access?

1. Network access control list
2. Security groups
3. AWS Trusted Advisor
4. Virtual private gateways

**QUESTION NO: 47**

A company has a workload that will run continuously for 1 year. The workload cannot tolerate service interruptions.

Which Amazon EC2 purchasing option will be MOST cost-effective?

1. All Upfront Reserved Instances
2. Partial Upfront Reserved Instances
3. Dedicated Instances
4. On-Demand Instances

**QUESTION NO: 48**

Which AWS service helps protect against DDoS attacks?

1. AWS Shield
2. Amazon Inspector
3. Amazon GuardDuty
4. Amazon Detective

**QUESTION NO: 49**

Using AWS Config to record, audit, and evaluate changes to AWS resources to enable traceability is an example of which AWS Well-Architected Framework pillar?

1. Security
2. Operational excellence
3. Performance efficiency
4. Cost optimization

**QUESTION NO: 50**

Which AWS tool or feature acts as a VPC firewall at the subnet level?

1. Security group
2. Network ACL
3. Traffic Mirroring
4. Internet gateway

**QUESTION NO: 51**

Which AWS service can be used to decouple applications?

1. AWS Config
2. Amazon Simple Queue Service (Amazon SQS)
3. AWS Batch
4. Amazon Simple Email Service (Amazon SES)

**QUESTION NO: 52**

Which disaster recovery option is the LEAST expensive?

1. Warm standby
2. Multisite
3. Backup and restore
4. Pilot light

**QUESTION NO: 53**

Which type of AWS storage is ephemeral and is deleted when an instance is stopped or terminated?

1. Amazon Elastic Block Store (Amazon EBS)
2. Amazon EC2 instance store
3. Amazon Elastic File System (Amazon EFS)
4. Amazon S3

**QUESTION NO: 54**

Which of the following is a characteristic of the AWS account root user?

1. The root user is the only user that can be configured with multi-factor authentication (MFA).
2. The root user is the only user that can access the AWS Management Console.
3. The root user is the first sign-in identity that is available when an AWS account is created.
4. The root user has a password that cannot be changed.

**QUESTION NO: 55**

Which of the following is a component of the AWS Global Infrastructure?

1. Amazon Alexa
2. AWS Regions
3. Amazon Lightsail
4. AWS Organizations

**QUESTION NO: 56**

What is the purpose of having an internet gateway within a VPC?

1. To create a VPN connection to the VPC
2. To allow communication between the VPC and the internet
3. To impose bandwidth constraints on internet traffic
4. To load balance traffic from the internet across Amazon EC2 instances

**QUESTION NO: 57**

Which AWS service allows users to download security and compliance reports about the AWS infrastructure on demand?

1. Amazon GuardDuty
2. AWS Security Hub
3. AWS Artifact
4. AWS Shield

**QUESTION NO: 58**

A pharmaceutical company operates its infrastructure in a single AWS Region. The company has thousands of VPCs in a various AWS accounts that it wants to interconnect.

Which AWS service or feature should the company use to help simplify management and reduce operational costs?

1. VPC endpoint
2. AWS Direct Connect
3. AWS Transit Gateway
4. VPC peering

**QUESTION NO: 59**

A company is planning an infrastructure deployment to the AWS Cloud. Before the deployment, the company wants a cost estimate for running the infrastructure.

Which AWS service or feature can provide this information?

1. Cost Explorer
2. AWS Trusted Advisor
3. AWS Cost and Usage Report
4. AWS Pricing Calculator

**QUESTION NO: 60**

Which AWS service of tool helps to centrally manage billing and allow controlled access to resources across AWS accounts?

1. AWS Identity and Access Management (IAM)
2. AWS Organizations
3. Cost Explorer
4. AWS Budgets

**QUESTION NO: 61**

Which of the following are Amazon Virtual Private Cloud (Amazon VPC) resources?

1. Objects; access control lists (ACLs)
2. Subnets; internet gateways
3. Access policies; buckets
4. Groups; roles

**QUESTION NO: 62**

A company needs to identify the last time that a specific user accessed the AWS Management Console.

Which AWS service will provide this information?

1. Amazon Cognito
2. AWS CloudTrail
3. Amazon Inspector
4. Amazon GuardDuty

**QUESTION NO: 63**

A company launched an Amazon EC2 instance with the latest Amazon Linux 2 Amazon Machine Image (AMI).

Which actions can a system administrator take to connect to the EC2 instance? (Choose two.)

1. Use Amazon EC2 Instance Connect.
2. Use a Remote Desktop Protocol (RDP) connection.
3. Use AWS Batch
4. Use AWS Systems Manager Session Manager.
5. Use Amazon Connect

**QUESTION NO: 64**

A company wants to perform sentiment analysis on customer service email messages that it receives. The company wants to identify whether the customer service engagement was positive or negative.

Which AWS service should the company use to perform this analysis?

1. Amazon Textract
2. Amazon Translate
3. Amazon Comprehend
4. Amazon Rekognition

**QUESTION NO: 65**

What is the total amount of storage offered by Amazon S3?

1. 100MB
2. 5 GB
3. 5 TB
4. Unlimited