

Additional Preparation for the Exam



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Questions 1-10

Question 1

Which of the following services would be considered services to leverage in a serverless architecture? (select three)

- A. Amazon EC2
- ☒ B. AWS Lambda
- ☒ C. Amazon SQS
- D. Amazon ElastiCache
- ☒ E. Amazon DynamoDB

Question 2

Which of the following is an economic benefit of utilizing the cloud?

- ☒ A. No up front capitalized expenditures (capex)
- B. No operational expenditures (opex)
- C. Cost is unrelated to usage
- D. Increased TCO

Question 3

You will be testing the migration of an on-premise web server to the cloud. You plan to have this instance up for a few weeks while you verify its performance. Which EC2 pricing model should you use?

- A. Reserved Instance
- B. Dedicated Instance
- ☒ C. On-Demand Instance
- D. Spot Instance

Question 4

Your company is launching a new EC2 web server that will be running consistently for at least a year. The company wants to find maximum cost savings for this instance. What pricing model should they choose?

- A. Spot Instance
- B. Reserved Instance - 1 year - No Upfront
- ☒ C. Reserved Instance - 1 year - All Upfront
- D. Dedicated Instance

Question 5

Your organization is looking to develop a single tool to manage deployments both on-premise and in the cloud. Which of the following AWS services could be leveraged for this?

- ☒ A. AWS OpsWorks
- ☐ B. Amazon S3
- ☐ C. AWS CodeBuild
- ☐ D. AWS CodePipeline

Question 6

Which EC2 pricing model provides the potential for the most cost savings if your workload is flexible?

- ☒ A. Spot Instance
- ☐ B. Reserved Instance
- ☐ C. On-Demand Instance
- ☐ D. Dedicated Host

Question 7

Which services can be leveraged to support a hybrid cloud approach? (select two)

- A. AWS Lightsail
- B. AWS Lambda
- C. AWS Cloud9
- ☒ D. Amazon Route 53
- ☒ E. AWS Storage Gateway

Question 8

Which of the following is true in relation to operational expenses (opex) and total cost of ownership (TCO) when moving into the cloud?

- ☒ A. Both Opex and TCO will decrease
- ☐ B. Opex will increase and TCO will decrease
- ☐ C. Opex will decrease and TCO will increase
- ☐ D. Opex will increase and TCO will remain unchanged

Question 9

Which AWS service enables you to implement "infrastructure as code" for your AWS environments?

A. AWS EC2

B. AWS RDS

C. AWS CodeCommit

 D. AWS CloudFormation

Question 10

Which of the following are pillars of the AWS Well-Architected Framework? (select three)

- ☒ A. Cost Optimization
- ☐ B. Infrastructure as Code
- ☒ C. Operational Excellence
- ☐ D. Loose Coupling
- ☒ E. Performance Efficiency

Questions 11-20


Question 11

Which of the following are categories of recommendations provided by AWS Trusted Advisor? (choose three)

- ☒ A. Cost Optimization
- ☒ B. Fault Tolerance
- ☒ C. Performance
- D. Least Privilege Access
- E. High Availability

Question 12

Which element of AWS global infrastructure enables caching of assets in a global content delivery network to reduce latency for end users?

- A. Local Zone
- B. Availability Zone
-  C. Edge location
- D. Region

Question 13

Your organization has launched multiple EC2 instances into a VPC. You need a secure way to access these servers over the public Internet. What would be one approach that you could take that would align with security best practices?

- A. Use AWS Direct Connect
- B. Open up the needed ports to all IP addresses
- C. Remove all restrictions from the Network ACL's
- ☒ D. Setup AWS VPN for the VPC

Question 14

Your organization is moving a web application that leverages MySQL into the cloud. Which approach would enable you to minimize the management tasks for this database without modifying the database interactions?

- A. Utilize the AWS Database Migration Service
- B. Utilize DynamoDB
- C. Utilize MariaDB on Amazon RDS
- ☒ D. Utilize Amazon Aurora on Amazon RDS

Question 15

Which resource provided by AWS provides a collection of best practices for building applications and solutions in the cloud across five pillars?

- A. AWS Marketplace
- ☒ B. AWS Well-Architected Framework
- C. AWS SaaS Factory
- D. AWS Forums

Question 16

Which of the following are economic benefits of switching to the cloud from a traditional data center? (choose three)

- ☒ A. Reduced Total Cost of Ownership (TCO)
- ☒ B. Lower variable Operational Expenditures (opex)
- ☐ C. Eliminating Operational Expenditures (opex)
- ☐ D. Increased Operational Expenditures (opex)
- ☒ E. No need for up front Capitalized Expenditures (capex)

Question 17

Your organization needs to store roughly 2 TB of data for two years to meet compliance requirements. This data will rarely need to be accessed, but in the event of an audit, it will need to be recovered within a few days. What would be the most cost effective solution for this use case?

A. Amazon S3 Infrequent Access

B. Amazon EFS

C. Amazon EBS

 D. Amazon S3 Glacier

Question 18

What feature of AWS Organizations enables you to receive a single bill for all member accounts?

- A. Cost Explorer
- B. Cost and Usage Report
- C. Reserved Billing
- ☒ D. Consolidated Billing

Question 19

Which disaster recovery approach would result in the least downtime during a disaster recovery event?

A. Backup and Restore

B. Pilot Light

C. Warm Standby

 D. Multi-site

Question 20

What AWS service can be leveraged to fully automate your build, test, and deploy pipeline for your custom software projects?

- A. AWS CodeArtifact
- B. AWS CodeCommit
- C. AWS X-Ray
- ☒ D. AWS CodePipeline

Questions 21-30

Question 21

Which AWS service enables you to view, analyze, and alert on logs, metrics, and events from your infrastructure deployed on AWS?

- A. Amazon Logs
- B. Amazon Elastic Block Store (EBS)
- ☒ C. Amazon CloudWatch
- D. AWS Identity and Access Management (IAM)

Question 22

Your company utilizes resource tags to properly attribute expenses to specific applications and departments. This data then allows your organization to analyze all AWS spending by these categories. Which pillar of the AWS Well-Architected Framework recommends this approach?

- ☒ A. Cost Optimization
- B. Security
- C. Reliability
- D. Operational Efficiency

Question 23

What features of Virtual Private Clouds (VPC's) enable you to limit access to your network? (select two)

- A. Network Load Balancers
- B. AWS CloudFormation
- ☒ C. Security Groups
- ☒ D. Network Access Control Lists (ACL's)
- E. Amazon EBS Volumes

Question 24

Which service provides a global content delivery network (CDN) that leverages the edge locations in the AWS Global Infrastructure to enable reduced latency when sending content to end users?

- A. AWS Content Delivery
- B. Amazon CloudFormation
- C. Amazon Content Network
- ☒ D. Amazon CloudFront

Question 25

Which tool would enable you to check if you are following AWS best practices for cost optimization on your current workloads?

- ☒ A. AWS Trusted Advisor
- ☐ B. AWS Pricing Calculator or Simple Monthly Calculator
- ☐ C. Cost and Usage Reports (CUR)
- ☐ D. AWS Cost Explorer

Question 26

Your organization is two months into a cloud transition, and a majority of systems have been migrated. Based on your current workload, you want to visualize current spend by AWS service as well as predicting future costs for this workload. What tool should you leverage?

- A. TCO Calculator
- ☒ B. AWS Cost Explorer
- C. AWS Pricing Calculator
- D. Cost and Usage Reports (CUR)

Question 27

Which of the following is an economic benefit of leveraging the cloud?

- A. Elimination of variable operational expenditures (opex)
- ☒ B. Variable operational expenditures (opex) are tied to usage
- C. Increased up front capitalized expenditures (capex)
- D. Variable operational expenditures (opex) costs are unrelated to usage

Question 28

Which managed AWS service enables you to leverage your own encryption keys for your data with AWS services?

- A. AWS GuardDuty
- B. AWS Identity and Access Management (IAM)
- ☒ C. AWS Key Management Service (KMS)
- D. Amazon Macie

Question 29

Where can organizations find pre-configured software from independent software vendors to run in their AWS environments?

- ☒ A. AWS Marketplace
- ☐ B. AWS CloudFormation
- ☐ C. Amazon CloudFront
- ☐ D. AWS SaaS Factory

Question 30

Which of the following services is considered global (and not region-specific)?

- A. AWS Direct Connect
- ☒ B. Amazon Route 53
- C. AWS CloudFormation
- D. Amazon S3

Questions 31-40

Question 31

Your organization has adopted a serverless approach for new applications. By doing this, you have decreased the amount you need to build and maintain. What pillar of the Well-Architected Framework recommends this approach?

- A. Fault Tolerance
- ☒ B. Performance Efficiency
- C. Reliability
- D. Cost Optimization

Question 32

Which billing tool provides detailed usage and costs data in an Amazon S3 bucket?

- A. TCO Calculator
- ☒ B. Cost and Usage Reports (CUR)
- C. AWS Trusted Advisor
- D. AWS Cost Explorer

Question 33

Within the Shared Responsibility Model, what area would be the responsibility of the customer? (select two)

- ☒ A. Providing least-privilege access to AWS resources
- ☐ B. Data center employee training
- ☒ C. Client-side data encryption
- ☐ D. Physical data center access controls
- ☐ E. Patching data center network routers

Question 34

With the AWS Shared Responsibility Model, what would be the responsibility of AWS? (choose two)

- ☒ A. Managing network connectivity for data centers
- ☐ B. Implementing server-side data encryption
- ☒ C. Training data center employees
- ☐ D. Patching the OS of EC2 instances
- ☐ E. Controlling application network access

Question 35

Which of the following is a best practice to follow when creating a new AWS account?

- A. Copy the root user access keys and always use those with the AWS CLI
- B. Verify that multi-factor authentication is disabled for the account
- ☒ C. Create a new IAM user that you will use instead of the root user
- D. Make sure that all senior team members have access to the root credentials

Question 36

You have multiple web servers deployed across multiple availability zones. What service would provide the ability to route incoming requests between these servers?

- A. AWS Elastic Beanstalk
- B. Amazon Kinesis
- C. Amazon CloudFormation
- ☒ D. Elastic Load Balancing

Question 37

During an audit, you learn that you will need to provide documentation for SOC 1 compliance for an application deployed on AWS. Where will you go to get the AWS compliance report for this certification?

- A. Your AWS Technical Account Manager (TAM)
- B. AWS Marketplace
- C. AWS Compliance Hub
- ☒ D. AWS Artifact

Question 38

After research, you determine that for a specific cloud workload it is cheaper to run it on AWS than in your own data center when factoring in hardware costs, setup labor, and maintenance. What cloud computing benefit is best illustrated with this use case?

- ☒ A. Benefit from massive economies of scale
- B. Go global in minutes
- C. Increase speed and agility
- D. Stop guessing capacity

Question 39

Which of the following services could assist in migrating your data from your on-premise data center into AWS?

- A. Amazon Relational Database Service (RDS)
- B. Amazon Elastic Block Store (EBS)
- ☒ C. AWS Database Migration Service (DMS)
- D. AWS Migration Gateway

Question 40

You have enabled AWS CloudTrail to keep an audit log of all actions taken on your company's AWS accounts. Which pillar of the AWS Well-Architected framework is followed with this implementation?

- A. Reliability
- B. Operational Excellence
-  C. Security
- D. Compliance

Questions 41-50

Question 41

You have chosen to break up a large application into smaller components that utilize SQS queues between each step. Which architectural principle is illustrated by this approach?

- A. Least privilege access
- B. Elastic computing
- ☒ C. Loose coupling
- D. Tight coupling

Question 42

Where would you go to access resources to help deploy popular technologies into AWS following best practices including step-by-step deployment instructions?

- A. Amazon S3
- B. Github
- C. AWS CloudFormation
- ☒ D. AWS Quick Starts

Question 43

Which element of the AWS Global Infrastructure includes multiple availability zones, enabling you to create fault tolerant applications in the cloud that span multiple availability zones?

- A. Regional Edge Caches
- ☒ B. Region
- C. Outposts
- D. Edge Location

Question 44

Which program could you leverage to find trusted third-party consultants that can assist with your AWS workloads?

- A. AWS Marketplace
- ☒ B. AWS Partner Network Consulting Partners
- C. AWS Partner Network Technology Partners
- D. AWS Directory Service

Question 45

For auditing purposes your organization requires that all actions performed on AWS infrastructure is logged for at least one year. What AWS service could you use to implement this auditing requirement?

- ☒ A. AWS CloudTrail
- ☐ B. AWS CloudFormation
- ☐ C. Amazon CloudWatch
- ☐ D. Amazon Macie

Question 46

Which of the following are features of Amazon S3? (select three)

- ☒ A. Static website hosting
- ☐ B. Ability to be mounted as an NFS filesystem
- ☐ C. Block storage that can be attached to Amazon EC2 instances
- ☒ D. Multiple storage classes to support different access needs
- ☒ E. Lifecycle rules to transition objects between storage classes

Question 47

What free AWS service enables you to configure specific policies dictating what actions a user, group, or role can perform within your account?

- A. Amazon Macie
- ☒ B. AWS Identity and Access Management (IAM)
- C. AWS Security Hub
- D. AWS GuardDuty


Question 48

Within the Shared Responsibility Model, what responsibility is shared by both the customer and AWS?

- A. Decommissioning Data Center Storage Hardware
-  B. Patch Management
- C. Networking Traffic Protection
- D. Client-side Data Encryption


Question 49

Which of the following could improve the security of your organization's IAM user accounts?

- A. Setup AWS CloudTrail for your account
- B. Setup the AWS Web Application Firewall (WAF)
-  C. Setup a password policy
- D. Disable multi-factor authentication for each account

Question 50

Your organization is currently leveraging MySQL on Amazon RDS for a web application. What AWS service could enable you to cache common queries to reduce the load on the MySQL server?

- A. Amazon CloudFront
- B. Security Groups
-  C. Amazon ElastiCache
- D. Amazon Direct Connect

Questions 51-60

Question 51

Which factors should be considered when doing a TCO comparison analysis between a traditional data center and the cloud? (select three)

- A. Custom software development
- ☒ B. Cost of servers
- ☒ C. Cost of data storage
- D. Project management
- ☒ E. Utility costs for data center

Question 52

Your architecture team requires auditing of all resource configuration changes in your AWS account. What AWS service could you leverage to meet this requirement?

- A. Amazon Macie
- ☒ B. AWS Config
- C. Amazon S3
- D. AWS GuardDuty

Question 53

Your company is looking to implement a new web application that will be used by millions of your customers. You are concerned with the scalability of the company's current relational database for this application, so you are looking for a managed NoSQL database for this project. Which AWS service provides this capability?

- A. Amazon RDS with Microsoft SQL Server
- ☒ B. Amazon DynamoDB
- C. Amazon Aurora
- D. Amazon Redshift

Question 54

Which AWS service provides a managed data warehouse that can operate at a petabyte scale?

A. AWS Lake Formation

B. Amazon DynamoDB

C. Amazon RDS

 D. Amazon Redshift

Question 55

Which managed AWS service provides a safeguard against Distributed Denial of Service (DDoS) attacks?

- A. AWS Config
- B. AWS GuardDuty
- ☒ C. AWS Shield
- D. Amazon Macie

Question 56

Which AWS service provides block storage for use with Amazon EC2 instances?

- ☒ A. Amazon Elastic Block Store (EBS)
- B. Amazon S3
- C. Amazon Elastic File System (EFS)
- D. AWS Storage Gateway

Question 57

Which service of AWS enables you to take advantage of volume discounts and usage tier discounts across multiple AWS accounts that your company manages?

- A. AWS Cost Explorer
- B. Amazon CloudWatch
- C. AWS CloudFormation
- ☒ D. AWS Organizations

Question 58

What is the minimum AWS support plan that provides a dedicated Technical Account Manager (TAM)?

- ☒ A. Enterprise
- ☐ B. Business
- ☐ C. Basic
- ☐ D. Developer

Question 59

Your company wants to isolate specific applications to their own AWS account, however, they want to have a single bill that provides a clear breakdown of cost by account. What service would you recommend they use to meet these requirements?

- A. AWS CloudFormation
- B. AWS Lake Formation
- ☒ C. AWS Organizations
- D. Amazon CloudWatch

Question 60

Given regulations in some countries that your company operates in, there is a policy to ensure that your application runs on physically isolated virtual machines. What EC2 pricing model should you choose to support this requirement?

- A. On-Demand Instance
- B. Spot Instance
- ☒ C. Dedicated Host
- D. Reserved Instance

Questions 61-65

Question 61

Your organization has refactored an application that was migrated from your data center to the cloud. The application can now automatically allocate new resources to meet user demand. What benefit of the cloud is illustrated in this scenario?

- A. Fault Tolerance
- ☒ B. Elasticity
- C. Agility
- D. High Availability

Question 62

Which AWS service enables you to create a logically isolated virtual network that you can define and configure?

- ☒ A. Amazon Virtual Private Cloud (VPC)
- B. AWS Elastic Beanstalk
- C. Amazon CloudWatch
- D. Amazon Elastic Network

Question 63

Recently your organization launched a new database using Amazon RDS. You chose to deploy the database across multiple availability zones to ensure the database could still function even if an availability zone went down. Which architectural principle does this illustrate?

- A. Loose coupling
- B. Tight coupling
- C. Cost optimization
- ☒ D. High availability

Question 64

Which of the following are benefits of Amazon RDS? (select three)

- A. Provides access to the operating system through SSH
- B. Enables you to easily install customized versions of the database engine
- ☒ C. Automatically patches database engine based on configured settings
- ☒ D. Can enable high-availability by leveraging multiple availability zones
- ☒ E. Provides the ability to implement read replicas for most database engines

Question 65

Your company wants to ensure that they have phone, chat, and email access to AWS support with a response within 1 hour when a production system is down. What is the minimum level of support that would meet this criteria?



- A. Business
- B. Enterprise
- C. Basic
- D. Developer

Important Next Steps



Amazon

Exam Questions AWS-Certified-Cloud-Practitioner

Amazon AWS Certified Cloud Practitioner

NEW QUESTION 1

What are some common uses of AWS? (Select all that apply) Choose the 4 Correct answers:

- A. Networking
- B. Analytics
- C. Storage
- D. Virtualization

Answer: ABCD

Explanation:

All of the answers are common uses of AWS. AWS has thousands of different uses. In this course we discussed some of the major categories, including: Storage Compute Power Databases Networking Analytics Developer Tools Virtualization Security

NEW QUESTION 2

The concept of elasticity is most closely associated with which of the following?
Choose the Correct Answer

- A. Auto Scaling
- B. Network Security
- C. Serverless Computing
- D. Elastic Load Balancing

Answer: A

Explanation:

Elasticity is the concept that a system can easily (and cost-effectively) both increase in capacity based on-demand and also shrink in capacity based on-demand. Auto Scaling on AWS is specifically designed to (automatically) increase and decrease server capacity based on-demand.

NEW QUESTION 3

What endpoints are possible to send messages to with Simple Notification Service? (Select all that apply)
Choose the 3 Correct answers:

- A. SMS
- B. FTP
- C. SQS
- D. Lambda

Answer: ACD

NEW QUESTION 4

Big Cloud Jumbo Corp is beginning to explore migrating their entire on-premises data center to AWS. They are very concerned about how much it will cost once their entire I.T. infrastructure is running on AWS. What tool can you recommend so that they can estimate what the cost of using AWS may be?
Choose the Correct Answer

- A. AWS Estimate Calculator
- B. AWS TCO Calculator
- C. AWS Cost Explorer
- D. AWS Migration Cost Calculator

Answer: B

Explanation:

The AWS TCO (Total Cost of Ownership) Calculator is a free tool provided by AWS. It allows you to compare your current on-premises cost vs. estimated AWS cost.

NEW QUESTION 5

Kunal is managing an application running on an on-premises data center. What best describes the challenges he faces that someone using the AWS cloud does not?
Choose the Correct Answer

- A. Kunal must research what size (compute capacity) servers he needs to run his application.
- B. Kunal must know how to properly configure network level security.
- C. Kunal must predict future growth, and scaling can be costly and time consuming.
- D. None of the above

Answer: C

Explanation:

Scaling is much faster and cost-effective on the AWS cloud. With on-demand instances and autoscaling, future growth does not have to be predicted. More compute capacity can be added gradually as demand increases.

NEW QUESTION 6

What are the benefits of DynamoDB? (Select all that apply) Choose the 3 Correct answers:

- A. Supports multiple known NoSQL database engines like MariaDB and Oracle NoSQL.
- B. Automatic scaling of throughput capacity.
- C. Single-digit millisecond latency.
- D. Supports both document and key-value store data model

Answer: BCD

Explanation:

DynamoDB does not use/support other NoSQL database engines. You only have access to use DynamoDB's built-in engine.

NEW QUESTION 7

Why would a company decide to use AWS over an on-premises data center? (Select all that apply) Choose the 4 Correct answers:

- A. Highly available infrastructure
- B. Elastic resources based on demand
- C. No upfront cost
- D. Cost-effective

Answer: ABCD

Explanation:

All four answers listed are reasons why a company may decide to use AWS over an on-premises data center.

NEW QUESTION 8

You are trying to organize and import (to AWS) gigabytes of data that are currently structured in JSON-like, name-value documents. What AWS service would best fit your needs?

Choose the Correct Answer

- A. Lambda
- B. Aurora
- C. RDS
- D. DynamoDB

Answer: D

Explanation:

DynamoDB is AWS's NoSQL database offering. NoSQL databases are for non-structured data that are typically stored in JSON-like, name-value documents.

NEW QUESTION 9

What best describes what AWS is?

Choose the Correct Answer

- A. AWS is an online retailer
- B. AWS is the cloud.
- C. AWS is a cloud services provider.
- D. None of the abov

Answer: C

NEW QUESTION 10

Jeff is building a web application on AWS. He wants to make sure his application is highly available to his customers. What infrastructure components of the AWS cloud allow Jeff to accomplish this goal? (Select all that apply)

Choose the 2 Correct answers:

- A. Availability Zones
- B. Regional Zones
- C. Regions
- D. Data Locations

Answer: AC

Explanation:

As part of AWS' global infrastructure, Regions and Availability Zones allow for backups and duplicate components to be placed in separate (isolated) areas of the globe. If one region/Availability Zone were to fail, duplicates in other regions/Availability Zones can be used.

NEW QUESTION 10

What is AWS's serverless compute service?

Choose the Correct Answer

- A. S3
- B. Lambda
- C. EC2
- D. None of the above

Answer: B

Explanation:

AWS has two main compute services, EC2 (server-based) and Lambda (serverless).

NEW QUESTION 15

S3 storage classes are rated by what two metric categories? (Select two) Choose the 2 Correct answers:

- A. Objectivity
- B. Durability
- C. Availability
- D. Fault tolerance

Answer: BC

Explanation:

Each S3 storage class is rated on its availability and durability.

NEW QUESTION 20

What are the benefits of AWS's Relational Database Service (RDS)? (Select all that apply) Choose the 3 Correct answers:

- A. Resizable capacity
- B. Automated patches and backups
- C. Cost-efficient
- D. None of the above

Answer: ABC

NEW QUESTION 22

What are the primary benefits of using Lambda? (Select all that apply) Choose the 2 Correct answers:

- A. Pay for only the compute time you consume.
- B. Wide variety of operating systems to select from.
- C. Actively select and manage instance type and capacity.
- D. Run code without provisioning server

Answer: AD

Explanation:

Lambda, being AWS's serverless compute platform, means there are no servers, instance types, or capacity to select. That is all managed for you. With Lambda, you only pay for the when your code is actually being executed.

NEW QUESTION 25

If you have a set of frequently accessed files that are used on a daily basis, what S3 storage class should you store them in? Choose the Correct Answer

- A. Infrequent Access
- B. Reduced Redundancy
- C. Standard
- D. Fast Access

Answer: C

Explanation:

The Standard storage class should be used for files that you access on a daily or very frequent basis.

NEW QUESTION 26

What services has built-in DDoS mitigation and/or protection? Choose the Correct Answer

- A. EC2
- B. RDS
- C. SNS
- D. None of the above

Answer: D

Explanation:

AWS services with built-in DDoS mitigation/protection include: 1) Route 53 2) CloudFront 3) WAF (web application firewall) 4) Elastic Load Balancing 5) VPCs and Security Groups

NEW QUESTION 31

What should you do if you believe your AWS account has been compromised? (Select all that apply) Choose the 4 Correct answers:

- A. Delete any resources in your account that you did not create.
- B. Respond to any notifications you received from AWS through the AWS Support Center.
- C. Change all IAM user's passwords.
- D. Delete or rotate all programmatic (API) access key

Answer: ABCD

Explanation:

All these answers are actions you should take if you believe your account has been compromised.

NEW QUESTION 35

Under what circumstances would someone want to use ElastiCache? (Select all that apply) Choose the 2 Correct answers:

- A. They need a NoSQL database option
- B. They need to use Edge Locations to cache content
- C. They need improved performance of their web application.
- D. They need in-memory data store service

Answer: CD

Explanation:

ElastiCache is used as an in-memory data store or cache in the cloud. Benefits include improved performance for web applications (that rely on information stored in a database). Edge Locations are used for caching content with the CloudFront service, so that is not an answer here.

NEW QUESTION 39

Derek is running a web application and is noticing that he is paying for way more server capacity than is required. What AWS feature should Derek set up and configure to ensure that his application is automatically adding/removing server capacity to keep in line with the required demand?

Choose the Correct Answer

- A. Auto Scaling
- B. Elastic Server Scaling
- C. Elastic Load Balancing
- D. Auto Sizing

Answer: A

Explanation:

Auto scaling is the feature that automates the process of adding/removing server capacity from a system (based on usage demand). Auto scaling creates a very cost-effective system by never having too much or too little server capacity.

NEW QUESTION 41

What is the purpose of AWS's Route 53 service? (Select all that apply) Choose the 2 Correct answers:

- A. Content Caching
- B. Database Management
- C. Domain Registration
- D. Domain Name System (DNS) service

Answer: CD

Explanation:

Route 53 is AWS's domain and DNS management service. You can use it to register new domain names, as well as manage DNS record sets.

NEW QUESTION 43

If you are using an on-demand EC2 instance, how are you being charged for it?

Choose the Correct Answer

- A. You are charged per second, based on an hourly rate, and there are no termination fees.
- B. You are charged by the hour and must pay a partial upfront fee.
- C. You must commit to a one or three year term and pay upfront.
- D. You are charged per second, based on an hourly rate, and there is a termination fee

Answer: A

Explanation:

On-demand EC2 instances are exactly that, on-demand. There are no upfront or termination fees, and you are charged for each second of usage (based on an hourly rate).

NEW QUESTION 46

Matt is working on a project that involves converting an image format from .png to .jpg. Thousands of images have to be converted; however, time is not really an issue and continual processing is not required. What type of EC2 buying option would be most cost-effective for Matt to use?

Choose the Correct Answer

- A. Spot
- B. On-demand
- C. Reserved
- D. None of the above

Answer: A

Explanation:

Spot instances offer the cheapest option of all EC2's buying options. However, spot instances should only be used when there can be interruptions in the

processing jobs being conducted. This is due to the fluctuation in spot pricing. If the spot price goes above your bid price, then you will lose access to the spot instance (thus causing a stoppage in processing).

NEW QUESTION 50

David is managing a web application running on dozens of EC2 servers. He is worried that if something goes wrong with one of the servers he will not know about it in a timely manner. What solution could you offer to help him keep updated on the status of his servers?

Choose the Correct Answer

- A. Configure each EC2 instance with a custom script to email David when any issues occur.
- B. Configure RDS notifications based on CloudWatch EC2 metric alarms.
- C. Enable CloudTrail to log and report any issues that occur with the EC2 instances.
- D. Configure SNS notifications based on CloudWatch EC2 metric alarm

Answer: D

Explanation:

CloudWatch is used to track metrics on all EC2 instances. Metric alarms can be configured to trigger SNS messages if something goes wrong.

NEW QUESTION 55

What AWS database is primarily used to analyze data using standard SQL formatting with compatibility for your existing business intelligence tools?

Choose the Correct Answer

- A. ElastiCache
- B. DynamoDB
- C. Redshift
- D. RDS

Answer: C

Explanation:

Redshift is a database offering that is fully-managed and used for data warehousing and analytics, including compatibility with existing business intelligence tools.

NEW QUESTION 57

Tracy has created a web application, placing it's underlining infrastructure in the N. Virginia (US-East-

1) region. After several months, Tracy notices that much of the traffic coming to her website is coming from Japan. What can Tracy do to (best) help reduce latency for her users in Japan?

Choose the Correct Answer

- A. Copy the current VPC and located in US-East-1 and ask AWS to move it to a region closest to Japan
- B. Create a and manage a complete duplicate copy of the web application and its infrastructure in a region closest to Japan.
- C. Create a CDN using CloudFront, making sure the proper content is cached at Edge Locations closest to Japan.
- D. Create a CDN using CloudCache, making sure the proper content is cached at Edge Locations closest to Japan.

Answer: C

Explanation:

CloudFront is AWS's content delivery network (CDN) service. You can use it to cache web content at edge locations what are closest to you customers. This will decrease latency for the customer and improve overall performance.

NEW QUESTION 60

What AWS feature acts as a traffic distribution regulator, making sure each EC2 instance in a system get the same amount of traffic?

Choose the Correct Answer

- A. Availability Zone
- B. ELB
- C. NACL
- D. Auto Scaling

Answer: B

Explanation:

An Elastic Load Balancer is responsible for evenly distributing incoming web traffic between all the EC2 instances associated with it. This help prevent one server from becoming overloaded with traffic, while another server remains underutilized.

NEW QUESTION 63

What best describes the concept of fault tolerance?

Choose the Correct Answer

- A. The ability for a system to withstand a certain amount of failure and still remain functional.
- B. The ability for a system to grow and shrink based on demand.
- C. The ability for a system to grow in size, capacity, and/or scope.
- D. The ability for a system be accessible when you attempt to access i

Answer: A

Explanation:

Fault tolerance describes the concept of a system (in our case a web application) to have failure in some of its components and still remain accessible (highly

available). Fault tolerant web applications will have at least two web servers (in case one fails).

NEW QUESTION 64

What are the four primary benefits of using the cloud/AWS?

Choose the Correct Answer

- A. Elasticity, scalability, easy access, limited storage.
- B. Fault tolerance, scalability, elasticity, and high availability.
- C. Unlimited storage, limited compute capacity, fault tolerance, and high availability.
- D. Fault tolerance, scalability, sometimes available, unlimited storage

Answer: B

Explanation:

Fault tolerance, scalability, elasticity, and high availability are the four primary benefits of AWS/the cloud.

NEW QUESTION 66

What is the purpose of a DNS server?

Choose the Correct Answer

- A. To serve web application content.
- B. To convert common language domain names to IP addresses.
- C. To convert IP addresses to common language domain names.
- D. To act as an internet search engine

Answer: B

Explanation:

Domain name system servers act as a "third party" that provides the service of converting common language domain names to IP addresses (which are required for a web browser to properly make a request for web content).

NEW QUESTION 71

What best describes the concept of scalability?

Choose the Correct Answer

- A. The ability for a system to withstand a certain amount of failure and still remain functional.
- B. The ability for a system to grow in size, capacity, and/or scope.
- C. The ability for a system to grow and shrink based on demand.
- D. The ability for a system be accessible when you attempt to access it

Answer: B

Explanation:

Scalability refers to the concept of a system being able to easily (and cost-effectively) scale UP. For web applications, this means the ability to easily add server capacity when demand requires.

NEW QUESTION 76

Amit is running a web application with a capacity of 5000 users. Every few days, traffic reaches 5000 users and any additional users are being denied access.

What can Amit do to efficiently automate the process of adding and removing server capacity based on traffic demand?

Choose the Correct Answer

- A. Enable elastic load balancing on his application.
- B. Automating this process cannot be done
- C. Enable auto scaling on his application.
- D. Write a custom script to automate the process

Answer: C

Explanation:

Auto scaling in AWS allows you to configure metric-based rules that (when triggered) will add and/or remove instances (server capacity) to your application. Adding/moving instances is then automated based on the metric rules you configure.

NEW QUESTION 77

What are the TWO main security layers (firewalls) used inside a VPC? Choose the 2 Correct answers:

- A. NetProtect
- B. Network Access Control List
- C. Security Group
- D. Security Lists

Answer: BC

Explanation:

Network Access Control Lists (NACL) act as a firewall on the subnet level, and Security Groups act as a firewall on the instance level.

NEW QUESTION 79

John, member of your company's development team, needs access to company's AWS account. What AWS service is used to manage such access?
Choose the Correct Answer

- A. S3
- B. Route 53
- C. IAM
- D. EC2

Answer: C

Explanation:

Identity & Access Management (IAM) is the AWS service where user accounts, credentials, and service access is managed.

NEW QUESTION 82

What is a main benefit of CloudFront?
Choose the Correct Answer

- A. DNS management
- B. Unlimited storage
- C. Serverless compute capacity
- D. Built-in DDoS protection

Answer: D

Explanation:

CloudFront allows you to cache content at edge locations. When a request is made for that content, the request is sent to an edge location (not your applications hardware), so the edge locations will absorb any DDoS attack and protect your underlining hardware.

NEW QUESTION 86

What best describes the concept of a virtual private cloud?
Choose the Correct Answer

- A. A private section of AWS in which you control what resources are placed inside.
- B. A collection of data centers.
- C. A shared section of AWS between you and other AWS account holders.
- D. A private section of AWS in which you control what resources are placed inside and who can access those resources.

Answer: D

Explanation:

A VPC is a private section of AWS in which you control what resources are placed inside and who can access those resources. A VPC defines your own private network that runs on AWS infrastructure.

NEW QUESTION 88

Jacky is creating a website using AWS infrastructure. She has a great idea for a domain name but needs to see if it's available and, if so, register it. What AWS service will allow her to do this?
Choose the Correct Answer

- A. CloudFront
- B. DomainServices
- C. CloudWatch
- D. Route 53

Answer: D

Explanation:

Route 53 is AWS's domain and DNS management service. (DomainServices does not exist).

NEW QUESTION 90

Donna needs to provision a Linux server to run a web application on. What AWS service should she use to create the Linux server?
Choose the Correct Answer

- A. VPC
- B. Lambda
- C. IAM
- D. EC2

Answer: D

Explanation:

Elastic Cloud Compute (EC2) is AWS server-based compute service platform. You can use it to provision and use Linux- and Windows-based servers.

NEW QUESTION 92

What is the major difference between AWS's RDS and DynamoDB database services?
Choose the Correct Answer

- A. RDS offers NoSQL database options, and DynamoDB offers SQL database options.

- B. RDS offers on SQL database option, and DynamoDB offers many NoSQL database options.
- C. RDS offers SQL database options, and DynamoDB offers a NoSQL database option.
- D. None of the above

Answer: C

Explanation:

RDS is a SQL database service (that offers several database engine options), and DynamoDB is a NoSQL database option that only offers one NoSQL engine.

NEW QUESTION 97

If you want to monitor the average CPU usage of your EC2 instances, which AWS service should you use?
Choose the Correct Answer

- A. CloudMonitor
- B. CloudTrail
- C. CloudWatch
- D. None of the above

Answer: C

Explanation:

CloudWatch is used to collect, view, and track metrics for resources (such as EC2 instances) in your AWS account.

NEW QUESTION 100

If you want to have SMS or email notifications sent to various members of your department with status updates on resources in your AWS account, what service should you choose?
Choose the Correct Answer

- A. STS
- B. RDS
- C. GetSMS
- D. SNS

Answer: D

Explanation:

Simple Notification Service (SNS) is what publishes messages to SMS and/or email endpoints.

NEW QUESTION 104

Which AWS service uses a combination of publishers and subscribers?
Choose the Correct Answer

- A. SNS
- B. RDS
- C. EC2
- D. Lambda

Answer: A

Explanation:

In SNS, there are two types of clients: publishers and subscribers. Publishers send the message, and subscribers receive the message.

NEW QUESTION 105

If you want to learn about AWS architectural or security best practices, where will you find that type of information?
Choose the Correct Answer

- A. AWS Yellow Pages
- B. AWS Console Info Section
- C. AWS White Papers
- D. AWS Service Documentation

Answer: C

Explanation:

White papers are a collection of technical documents that outlines many AWS relevant topics.

NEW QUESTION 109

Which of the following are AWS Support Plans? (Select all that apply) Choose the 3 Correct answers:

- A. Enterprise
- B. Expert
- C. Basic
- D. Business

Answer: ACD

Explanation:

AWS has four support plan levels: Basic Developer Business Enterprise

NEW QUESTION 112

What is a main benefit of consolidated billing?

Choose the Correct Answer

- A. Faster response from AWS technical support.
- B. Gain a volume discount for usage across all your AWS accounts.
- C. Access to a higher support plan level.
- D. None of the above

Answer: B

Explanation:

Consolidated billing allows you to view, manage, and pay bills for multiple AWS accounts in one user interface. Volume discounts can be earned by combining the usage from all accounts your own.

NEW QUESTION 113

What best describes the difference between the TCO Calculator and the Cost Explorer?

Choose the Correct Answer

- A. The TCO Calculator help you analyze current AWS usage charges; the Cost Explorer helps you estimate the cost savings of using AWS.
- B. The TCO Calculator helps you estimate the cost savings of using AWS; the Cost Explorer help you analyze current AWS usage charges.
- C. The Cost Explorer helps you calculate hourly EC2 Usage cost; the TCO Calculator is a price list for each AWS service.
- D. The Cost Explorer is a price list for each AWS service; the TCO Calculator helps you calculate hourly EC2 Usage cost.

Answer: B

Explanation:

The TCO calculator is a free tool provided by AWS that allows you to estimate the cost savings of using AWS vs. using an on-premises data center. The Cost Explorer is a free tool that allows you to view charges of your cost (helps you analyze where you are spending money).

NEW QUESTION 117

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NEW QUESTION 1

What are some common uses of AWS? (Select all that apply) Choose the 4 Correct answers:

- A. Networking
- B. Analytics
- C. Storage
- D. Virtualization

Answer: ABCD

Explanation:

All of the answers are common uses of AWS. AWS has thousands of different uses. In this course we discussed some of the major categories, including: Storage Compute Power Databases Networking Analytics Developer Tools Virtualization Security

NEW QUESTION 2

The concept of elasticity is most closely associated with which of the following?
Choose the Correct Answer

- A. Auto Scaling
- B. Network Security
- C. Serverless Computing
- D. Elastic Load Balancing

Answer: A

Explanation:

Elasticity is the concept that a system can easily (and cost-effectively) both increase in capacity based on-demand and also shrink in capacity based on-demand. Auto Scaling on AWS is specifically designed to (automatically) increase and decrease server capacity based on-demand.

NEW QUESTION 3

What endpoints are possible to send messages to with Simple Notification Service? (Select all that apply)
Choose the 3 Correct answers:

- A. SMS
- B. FTP
- C. SQS
- D. Lambda

Answer: ACD

NEW QUESTION 4

Big Cloud Jumbo Corp is beginning to explore migrating their entire on-premises data center to AWS. They are very concerned about how much it will cost once their entire I.T. infrastructure is running on AWS. What tool can you recommend so that they can estimate what the cost of using AWS may be?
Choose the Correct Answer

- A. AWS Estimate Calculator
- B. AWS TCO Calculator
- C. AWS Cost Explorer
- D. AWS Migration Cost Calculator

Answer: B

Explanation:

The AWS TCO (Total Cost of Ownership) Calculator is a free tool provided by AWS. It allows you to compare your current on-premises cost vs. estimated AWS cost.

NEW QUESTION 5

Kunal is managing an application running on an on-premises data center. What best describes the challenges he faces that someone using the AWS cloud does not?
Choose the Correct Answer

- A. Kunal must research what size (compute capacity) servers he needs to run his application.
- B. Kunal must know how to properly configure network level security.
- C. Kunal must predict future growth, and scaling can be costly and time consuming.
- D. None of the above

Answer: C

Explanation:

Scaling is much faster and cost-effective on the AWS cloud. With on-demand instances and autoscaling, future growth does not have to be predicted. More compute capacity can be added gradually as demand increases.

NEW QUESTION 6

What are the benefits of DynamoDB? (Select all that apply) Choose the 3 Correct answers:

- A. Supports multiple known NoSQL database engines like MariaDB and Oracle NoSQL.
- B. Automatic scaling of throughput capacity.
- C. Single-digit millisecond latency.
- D. Supports both document and key-value store data model

Answer: BCD

Explanation:

DynamoDB does not use/support other NoSQL database engines. You only have access to use DynamoDB's built-in engine.

NEW QUESTION 7

Why would a company decide to use AWS over an on-premises data center? (Select all that apply) Choose the 4 Correct answers:

- A. Highly available infrastructure
- B. Elastic resources based on demand
- C. No upfront cost
- D. Cost-effective

Answer: ABCD

Explanation:

All four answers listed are reasons why a company may decide to use AWS over an on-premises data center.

NEW QUESTION 8

You are trying to organize and import (to AWS) gigabytes of data that are currently structured in JSON-like, name-value documents. What AWS service would best fit your needs?

Choose the Correct Answer

- A. Lambda
- B. Aurora
- C. RDS
- D. DynamoDB

Answer: D

Explanation:

DynamoDB is AWS's NoSQL database offering. NoSQL databases are for non-structured data that are typically stored in JSON-like, name-value documents.

NEW QUESTION 9

What best describes what AWS is?

Choose the Correct Answer

- A. AWS is an online retailer
- B. AWS is the cloud.
- C. AWS is a cloud services provider.
- D. None of the abov

Answer: C

NEW QUESTION 10

Jeff is building a web application on AWS. He wants to make sure his application is highly available to his customers. What infrastructure components of the AWS cloud allow Jeff to accomplish this goal? (Select all that apply)

Choose the 2 Correct answers:

- A. Availability Zones
- B. Regional Zones
- C. Regions
- D. Data Locations

Answer: AC

Explanation:

As part of AWS' global infrastructure, Regions and Availability Zones allow for backups and duplicate components to be placed in separate (isolated) areas of the globe. If one region/Availability Zone were to fail, duplicates in other regions/Availability Zones can be used.

NEW QUESTION 10

What is AWS's serverless compute service?

Choose the Correct Answer

- A. S3
- B. Lambda
- C. EC2
- D. None of the above

Answer: B

Explanation:

AWS has two main compute services, EC2 (server-based) and Lambda (serverless).

NEW QUESTION 15

S3 storage classes are rated by what two metric categories? (Select two) Choose the 2 Correct answers:

- A. Objectivity
- B. Durability
- C. Availability
- D. Fault tolerance

Answer: BC

Explanation:

Each S3 storage class is rated on its availability and durability.

NEW QUESTION 20

What are the benefits of AWS's Relational Database Service (RDS)? (Select all that apply) Choose the 3 Correct answers:

- A. Resizable capacity
- B. Automated patches and backups
- C. Cost-efficient
- D. None of the above

Answer: ABC

NEW QUESTION 22

What are the primary benefits of using Lambda? (Select all that apply) Choose the 2 Correct answers:

- A. Pay for only the compute time you consume.
- B. Wide variety of operating systems to select from.
- C. Actively select and manage instance type and capacity.
- D. Run code without provisioning server

Answer: AD

Explanation:

Lambda, being AWS's serverless compute platform, means there are no servers, instance types, or capacity to select. That is all managed for you. With Lambda, you only pay for the when your code is actually being executed.

NEW QUESTION 25

If you have a set of frequently accessed files that are used on a daily basis, what S3 storage class should you store them in? Choose the Correct Answer

- A. Infrequent Access
- B. Reduced Redundancy
- C. Standard
- D. Fast Access

Answer: C

Explanation:

The Standard storage class should be used for files that you access on a daily or very frequent basis.

NEW QUESTION 26

What services has built-in DDoS mitigation and/or protection? Choose the Correct Answer

- A. EC2
- B. RDS
- C. SNS
- D. None of the above

Answer: D

Explanation:

AWS services with built-in DDoS mitigation/protection include: 1) Route 53 2) CloudFront 3) WAF (web application firewall) 4) Elastic Load Balancing 5) VPCs and Security Groups

NEW QUESTION 31

What should you do if you believe your AWS account has been compromised? (Select all that apply) Choose the 4 Correct answers:

- A. Delete any resources in your account that you did not create.
- B. Respond to any notifications you received from AWS through the AWS Support Center.
- C. Change all IAM user's passwords.
- D. Delete or rotate all programmatic (API) access key

Answer: ABCD

Explanation:

All these answers are actions you should take if you believe your account has been compromised.

NEW QUESTION 35

Under what circumstances would someone want to use ElastiCache? (Select all that apply) Choose the 2 Correct answers:

- A. They need a NoSQL database option
- B. They need to use Edge Locations to cache content
- C. They need improved performance of their web application.
- D. They need in-memory data store service

Answer: CD

Explanation:

ElastiCache is used as an in-memory data store or cache in the cloud. Benefits include improved performance for web applications (that rely on information stored in a database). Edge Locations are used for caching content with the CloudFront service, so that is not an answer here.

NEW QUESTION 39

Derek is running a web application and is noticing that he is paying for way more server capacity than is required. What AWS feature should Derek set up and configure to ensure that his application is automatically adding/removing server capacity to keep in line with the required demand?

Choose the Correct Answer

- A. Auto Scaling
- B. Elastic Server Scaling
- C. Elastic Load Balancing
- D. Auto Sizing

Answer: A

Explanation:

Auto scaling is the feature that automates the process of adding/removing server capacity from a system (based on usage demand). Auto scaling creates a very cost-effective system by never having too much or too little server capacity.

NEW QUESTION 41

What is the purpose of AWS's Route 53 service? (Select all that apply) Choose the 2 Correct answers:

- A. Content Caching
- B. Database Management
- C. Domain Registration
- D. Domain Name System (DNS) service

Answer: CD

Explanation:

Route 53 is AWS's domain and DNS management service. You can use it to register new domain names, as well as manage DNS record sets.

NEW QUESTION 43

If you are using an on-demand EC2 instance, how are you being charged for it?

Choose the Correct Answer

- A. You are charged per second, based on an hourly rate, and there are no termination fees.
- B. You are charged by the hour and must pay a partial upfront fee.
- C. You must commit to a one or three year term and pay upfront.
- D. You are charged per second, based on an hourly rate, and there is a termination fee

Answer: A

Explanation:

On-demand EC2 instances are exactly that, on-demand. There are no upfront or termination fees, and you are charged for each second of usage (based on an hourly rate).

NEW QUESTION 46

Matt is working on a project that involves converting an image format from .png to .jpg. Thousands of images have to be converted; however, time is not really an issue and continual processing is not required. What type of EC2 buying option would be most cost-effective for Matt to use?

Choose the Correct Answer

- A. Spot
- B. On-demand
- C. Reserved
- D. None of the above

Answer: A

Explanation:

Spot instances offer the cheapest option of all EC2's buying options. However, spot instances should only be used when there can be interruptions in the

processing jobs being conducted. This is due to the fluctuation in spot pricing. If the spot price goes above your bid price, then you will lose access to the spot instance (thus causing a stoppage in processing).

NEW QUESTION 50

David is managing a web application running on dozens of EC2 servers. He is worried that if something goes wrong with one of the servers he will not know about it in a timely manner. What solution could you offer to help him keep updated on the status of his servers?

Choose the Correct Answer

- A. Configure each EC2 instance with a custom script to email David when any issues occur.
- B. Configure RDS notifications based on CloudWatch EC2 metric alarms.
- C. Enable CloudTrail to log and report any issues that occur with the EC2 instances.
- D. Configure SNS notifications based on CloudWatch EC2 metric alarm

Answer: D

Explanation:

CloudWatch is used to track metrics on all EC2 instances. Metric alarms can be configured to trigger SNS messages if something goes wrong.

NEW QUESTION 55

What AWS database is primarily used to analyze data using standard SQL formatting with compatibility for your existing business intelligence tools?

Choose the Correct Answer

- A. ElastiCache
- B. DynamoDB
- C. Redshift
- D. RDS

Answer: C

Explanation:

Redshift is a database offering that is fully-managed and used for data warehousing and analytics, including compatibility with existing business intelligence tools.

NEW QUESTION 57

Tracy has created a web application, placing it's underlining infrastructure in the N. Virginia (US-East-

1) region. After several months, Tracy notices that much of the traffic coming to her website is coming from Japan. What can Tracy do to (best) help reduce latency for her users in Japan?

Choose the Correct Answer

- A. Copy the current VPC and located in US-East-1 and ask AWS to move it to a region closest to Japan
- B. Create a and manage a complete duplicate copy of the web application and its infrastructure in a region closest to Japan.
- C. Create a CDN using CloudFront, making sure the proper content is cached at Edge Locations closest to Japan.
- D. Create a CDN using CloudCache, making sure the proper content is cached at Edge Locations closest to Japan.

Answer: C

Explanation:

CloudFront is AWS's content delivery network (CDN) service. You can use it to cache web content at edge locations what are closest to you customers. This will decrease latency for the customer and improve overall performance.

NEW QUESTION 60

What AWS feature acts as a traffic distribution regulator, making sure each EC2 instance in a system get the same amount of traffic?

Choose the Correct Answer

- A. Availability Zone
- B. ELB
- C. NACL
- D. Auto Scaling

Answer: B

Explanation:

An Elastic Load Balancer is responsible for evenly distributing incoming web traffic between all the EC2 instances associated with it. This help prevent one server from becoming overloaded with traffic, while another server remains underutilized.

NEW QUESTION 63

What best describes the concept of fault tolerance?

Choose the Correct Answer

- A. The ability for a system to withstand a certain amount of failure and still remain functional.
- B. The ability for a system to grow and shrink based on demand.
- C. The ability for a system to grow in size, capacity, and/or scope.
- D. The ability for a system be accessible when you attempt to access i

Answer: A

Explanation:

Fault tolerance describes the concept of a system (in our case a web application) to have failure in some of its components and still remain accessible (highly

available). Fault tolerant web applications will have at least two web servers (in case one fails).

NEW QUESTION 64

What are the four primary benefits of using the cloud/AWS?

Choose the Correct Answer

- A. Elasticity, scalability, easy access, limited storage.
- B. Fault tolerance, scalability, elasticity, and high availability.
- C. Unlimited storage, limited compute capacity, fault tolerance, and high availability.
- D. Fault tolerance, scalability, sometimes available, unlimited storage

Answer: B

Explanation:

Fault tolerance, scalability, elasticity, and high availability are the four primary benefits of AWS/the cloud.

NEW QUESTION 66

What is the purpose of a DNS server?

Choose the Correct Answer

- A. To serve web application content.
- B. To convert common language domain names to IP addresses.
- C. To convert IP addresses to common language domain names.
- D. To act as an internet search engine

Answer: B

Explanation:

Domain name system servers act as a "third party" that provides the service of converting common language domain names to IP addresses (which are required for a web browser to properly make a request for web content).

NEW QUESTION 71

What best describes the concept of scalability?

Choose the Correct Answer

- A. The ability for a system to withstand a certain amount of failure and still remain functional.
- B. The ability for a system to grow in size, capacity, and/or scope.
- C. The ability for a system to grow and shrink based on demand.
- D. The ability for a system be accessible when you attempt to access it

Answer: B

Explanation:

Scalability refers to the concept of a system being able to easily (and cost-effectively) scale UP. For web applications, this means the ability to easily add server capacity when demand requires.

NEW QUESTION 76

Amit is running a web application with a capacity of 5000 users. Every few days, traffic reaches 5000 users and any additional users are being denied access.

What can Amit do to efficiently automate the process of adding and removing server capacity based on traffic demand?

Choose the Correct Answer

- A. Enable elastic load balancing on his application.
- B. Automating this process cannot be done
- C. Enable auto scaling on his application.
- D. Write a custom script to automate the process

Answer: C

Explanation:

Auto scaling in AWS allows you to configure metric-based rules that (when triggered) will add and/or remove instances (server capacity) to your application. Adding/moving instances is then automated based on the metric rules you configure.

NEW QUESTION 77

What are the TWO main security layers (firewalls) used inside a VPC? Choose the 2 Correct answers:

- A. NetProtect
- B. Network Access Control List
- C. Security Group
- D. Security Lists

Answer: BC

Explanation:

Network Access Control Lists (NACL) act as a firewall on the subnet level, and Security Groups act as a firewall on the instance level.

NEW QUESTION 79

John, member of your company's development team, needs access to company's AWS account. What AWS service is used to manage such access?
Choose the Correct Answer

- A. S3
- B. Route 53
- C. IAM
- D. EC2

Answer: C

Explanation:

Identity & Access Management (IAM) is the AWS service where user accounts, credentials, and service access is managed.

NEW QUESTION 82

What is a main benefit of CloudFront?
Choose the Correct Answer

- A. DNS management
- B. Unlimited storage
- C. Serverless compute capacity
- D. Built-in DDoS protection

Answer: D

Explanation:

CloudFront allows you to cache content at edge locations. When a request is made for that content, the request is sent to an edge location (not your applications hardware), so the edge locations will absorb any DDoS attack and protect your underlining hardware.

NEW QUESTION 86

What best describes the concept of a virtual private cloud?
Choose the Correct Answer

- A. A private section of AWS in which you control what resources are placed inside.
- B. A collection of data centers.
- C. A shared section of AWS between you and other AWS account holders.
- D. A private section of AWS in which you control what resources are placed inside and who can access those resources.

Answer: D

Explanation:

A VPC is a private section of AWS in which you control what resources are placed inside and who can access those resources. A VPC defines your own private network that runs on AWS infrastructure.

NEW QUESTION 88

Jacky is creating a website using AWS infrastructure. She has a great idea for a domain name but needs to see if it's available and, if so, register it. What AWS service will allow her to do this?
Choose the Correct Answer

- A. CloudFront
- B. DomainServices
- C. CloudWatch
- D. Route 53

Answer: D

Explanation:

Route 53 is AWS's domain and DNS management service. (DomainServices does not exist).

NEW QUESTION 90

Donna needs to provision a Linux server to run a web application on. What AWS service should she use to create the Linux server?
Choose the Correct Answer

- A. VPC
- B. Lambda
- C. IAM
- D. EC2

Answer: D

Explanation:

Elastic Cloud Compute (EC2) is AWS server-based compute service platform. You can use it to provision and use Linux- and Windows-based servers.

NEW QUESTION 92

What is the major difference between AWS's RDS and DynamoDB database services?
Choose the Correct Answer

- A. RDS offers NoSQL database options, and DynamoDB offers SQL database options.

- B. RDS offers on SQL database option, and DynamoDB offers many NoSQL database options.
- C. RDS offers SQL database options, and DynamoDB offers a NoSQL database option.
- D. None of the above

Answer: C

Explanation:

RDS is a SQL database service (that offers several database engine options), and DynamoDB is a NoSQL database option that only offers one NoSQL engine.

NEW QUESTION 97

If you want to monitor the average CPU usage of your EC2 instances, which AWS service should you use?
Choose the Correct Answer

- A. CloudMonitor
- B. CloudTrail
- C. CloudWatch
- D. None of the above

Answer: C

Explanation:

CloudWatch is used to collect, view, and track metrics for resources (such as EC2 instances) in your AWS account.

NEW QUESTION 100

If you want to have SMS or email notifications sent to various members of your department with status updates on resources in your AWS account, what service should you choose?
Choose the Correct Answer

- A. STS
- B. RDS
- C. GetSMS
- D. SNS

Answer: D

Explanation:

Simple Notification Service (SNS) is what publishes messages to SMS and/or email endpoints.

NEW QUESTION 104

Which AWS service uses a combination of publishers and subscribers?
Choose the Correct Answer

- A. SNS
- B. RDS
- C. EC2
- D. Lambda

Answer: A

Explanation:

In SNS, there are two types of clients: publishers and subscribers. Publishers send the message, and subscribers receive the message.

NEW QUESTION 105

If you want to learn about AWS architectural or security best practices, where will you find that type of information?
Choose the Correct Answer

- A. AWS Yellow Pages
- B. AWS Console Info Section
- C. AWS White Papers
- D. AWS Service Documentation

Answer: C

Explanation:

White papers are a collection of technical documents that outlines many AWS relevant topics.

NEW QUESTION 109

Which of the following are AWS Support Plans? (Select all that apply) Choose the 3 Correct answers:

- A. Enterprise
- B. Expert
- C. Basic
- D. Business

Answer: ACD

Explanation:

AWS has four support plan levels: Basic Developer Business Enterprise

NEW QUESTION 112

What is a main benefit of consolidated billing?

Choose the Correct Answer

- A. Faster response from AWS technical support.
- B. Gain a volume discount for usage across all your AWS accounts.
- C. Access to a higher support plan level.
- D. None of the above

Answer: B

Explanation:

Consolidated billing allows you to view, manage, and pay bills for multiple AWS accounts in one user interface. Volume discounts can be earned by combining the usage from all accounts your own.

NEW QUESTION 113

What best describes the difference between the TCO Calculator and the Cost Explorer?

Choose the Correct Answer

- A. The TCO Calculator help you analyze current AWS usage charges; the Cost Explorer helps you estimate the cost savings of using AWS.
- B. The TCO Calculator helps you estimate the cost savings of using AWS; the Cost Explorer help you analyze current AWS usage charges.
- C. The Cost Explorer helps you calculate hourly EC2 Usage cost; the TCO Calculator is a price list for each AWS service.
- D. The Cost Explorer is a price list for each AWS service; the TCO Calculator helps you calculate hourly EC2 Usage cost.

Answer: B

Explanation:

The TCO calculator is a free tool provided by AWS that allows you to estimate the cost savings of using AWS vs. using an on-premises data center. The Cost Explorer is a free tool that allows you to view charges of your cost (helps you analyze where you are spending money).

NEW QUESTION 117

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NEW QUESTION 1

What is the term used to describe giving an AWS user only access to the exact services he/she needs to do the required job and nothing more?
Choose the Correct Answer

- A. The Least Privilege User Principal
- B. The Principal of Least Privilege
- C. The Only Access Principal.
- D. None of the above

Answer: B

NEW QUESTION 2

What are the main benefits of On-Demand EC2 instances? (Select all that apply) Choose the 2 Correct answers:

- A. They are the cheapest buying option.
- B. They are the most flexible buying option.
- C. They require 1-2 days for setup and configuration.
- D. Create, start, stop, and terminate at any time

Answer: BD

Explanation:

On-demand EC2 instances are widely used due to their flexibility. You can create, start, stop, and terminate at any time (with no startup or termination fees). Although due to this flexibility, they are the most expensive buying option.

NEW QUESTION 3

What AWS service must you use if you want to configure an AWS billing alarm? Choose the Correct Answer

- A. CloudWatch
- B. CloudMonitor
- C. Consolidated billing
- D. CloudTrail

Answer: A

Explanation:

CloudWatch is the AWS service that allows you to collect metrics, and create alarms based on those metrics. Billing metrics can be tracked in CloudWatch, therefore billing alarms can be created.

NEW QUESTION 4

How much data can you store in S3?
Choose the Correct Answer

- A. Storage capacity is virtually unlimited.
- B. You can store up to 1 petabyte of data.
- C. Each account is given 50 gigabytes of storage capacity and no more can be used.
- D. You can store up to 1 petabyte of data, then you are required to pay an additional fee

Answer: A

Explanation:

Although there is theoretically a capacity limit, as an S3 user, there is no limit on the amount of data you can store in S3.

NEW QUESTION 5

Your company's upper management is getting very nervous about managing governance, compliance, and risk auditing in AWS. What service should you enable and inform upper management about?
Choose the Correct Answer

- A. CloudAudit
- B. CloudTrail
- C. CloudCompliance
- D. CloudWatch

Answer: B

Explanation:

AWS CloudTrail is designed to log all actions taken in your AWS account. This provides a great resource for governance, compliance, and risk auditing.

NEW QUESTION 6

Which of the following will effect how much you are charged for storing objects in S3? Choose the 2 Correct answers:

- A. The storage class used for the objects stored.
- B. Encrypting data (objects) stored in S3.
- C. Creating and deleting S3 buckets

D. The total size in gigabytes of all objects store

Answer: AD

NEW QUESTION 7

Kunal is managing an application running on an on-premises data center. What best describes the challenges he faces that someone using the AWS cloud does not?

Choose the Correct Answer

- A. Kunal must research what size (compute capacity) servers he needs to run his application.
- B. Kunal must know how to properly configure network level security.
- C. Kunal must predict future growth, and scaling can be costly and time consuming.
- D. None of the above

Answer: C

Explanation:

Scaling is much faster and cost-effective on the AWS cloud. With on-demand instances and autoscaling, future growth does not have to be predicted. More compute capacity can be added gradually as demand increases.

NEW QUESTION 8

What AWS storage class should be used for long-term, archival storage?

Choose the Correct Answer

- A. Glacier
- B. Long-Term
- C. Standard
- D. Infrequent Access

Answer: A

Explanation:

Glacier should be used for (and is specifically designed for) long-term, archival storage.

NEW QUESTION 9

Kim is managing a web application running on the AWS cloud. The application is currently utilizing eight EC2 servers for its compute platform. Earlier today, two of those web servers crashed; however, none of her customers were affected. What has Kim done correctly in this scenario?

Choose the Correct Answer

- A. Properly built an elastic system.
- B. Properly built a scalable system
- C. Properly built a fault tolerant system.
- D. None of the above

Answer: C

Explanation:

A fault tolerant system is one that can sustain a certain amount of failure while still remaining operational.

NEW QUESTION 10

What are the benefits of DynamoDB? (Select all that apply) Choose the 3 Correct answers:

- A. Supports multiple known NoSQL database engines like MariaDB and Oracle NoSQL.
- B. Automatic scaling of throughput capacity.
- C. Single-digit millisecond latency.
- D. Supports both document and key-value store data model

Answer: BCD

Explanation:

DynamoDB does not use/support other NoSQL database engines. You only have access to use DynamoDB's built-in engine.

NEW QUESTION 10

What best describes penetration testing?

Choose the Correct Answer

- A. Testing your applications ability to penetrate other applications.
- B. Testing your IAM users access to AWS services.
- C. Testing your own network/application for vulnerabilities.
- D. None of the above

Answer: C

NEW QUESTION 12

You are trying to organize and import (to AWS) gigabytes of data that are currently structured in JSON-like, name-value documents. What AWS service would best

fit your needs?

Choose the Correct Answer

- A. Lambda
- B. Aurora
- C. RDS
- D. DynamoDB

Answer: D

Explanation:

DynamoDB is AWS's NoSQL database offering. NoSQL databases are for non-structured data that are typically stored in JSON-like, name-value documents.

NEW QUESTION 17

Before moving and/or storing object in AWS Glacier, what considerations should you make regarding the data you want to store.

Choose the Correct Answer

- A. Make sure the data is properly formatted for storage Glacier.
- B. Make sure the total amount of data you want to store in under 1 terabyte in size.
- C. Make sure you are ok with it taking at minimum a few minutes to retrieve the data once stored in Glacier.
- D. None of the above

Answer: C

Explanation:

Objects stored in Glacier take time to retrieve. You can pay for expedited retrieval, which will take several minutes - OR wait several hours (for normal retrieval).

NEW QUESTION 19

John is working with a large data set, and he needs to import it into a relational database service. What AWS service will meet his needs?

Choose the Correct Answer

- A. RDS
- B. Redshift
- C. NoSQL
- D. DynamoDB

Answer: A

Explanation:

RDS is AWS's relational database service.

NEW QUESTION 20

What is AWS's serverless compute service?

Choose the Correct Answer

- A. S3
- B. Lambda
- C. EC2
- D. None of the above

Answer: B

Explanation:

AWS has two main compute services, EC2 (server-based) and Lambda (serverless).

NEW QUESTION 22

Stephen is having issues tracking how much compute capacity his application is using. Ideally, he wants to track and have alarms for when CPU utilization goes over 70%. What should Stephen do to accomplish this?

Choose the Correct Answer

- A. Configure an SNS topic with an alarm threshold set to trigger when CPU utilization is greater than 70%.
- B. Configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than 70%.
- C. Configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than or equal to 70%.
- D. None of the above

Answer: B

Explanation:

The answer is to configure a CloudWatch alarm with an alarm threshold set to trigger when CPU utilization is greater than 70%. This will display the alarm in "alarm" state when CPU utilization is greater than 70%. This question has been worded very specifically with the words "goes above 70%". This disqualifies the answer that stated "great than or equal to 70%". The AWS exam will have very tricky questions like this.

NEW QUESTION 27

What is the most common type of storage used for EC2 instances?

Choose the Correct Answer

- A. Elastic File System (EFS)

- B. EC2 Hard Drives
- C. Elastic Block Store (EBS)
- D. Magnetic Drive (MD)

Answer: C

Explanation:

EC2 instance have several different hard drive options. However, Elastic Block Store (EBS), which is a type of Network Attached Storage, is the most popular and widely used.

NEW QUESTION 29

You have been tasked by your department head to upload a batch of files to an S3 bucket; however, when you select S3 on the AWS console, you see a notification stating that you do not have permission to access S3. What is the most probable cause of this error?
Choose the Correct Answer

- A. It takes 24 hours go get access to S3.
- B. The S3 service is currently down for maintenance.
- C. You do not have an S3 access policy attached to your IAM user.
- D. Your boss has not enabled proper bucket permission

Answer: C

Explanation:

If you get an error stating that you do not have proper permissions to access/use and AWS service, then most likely your IAM user does not have the proper permission policy attached.

NEW QUESTION 34

What are the benefits of AWS's Relational Database Service (RDS)? (Select all that apply) Choose the 3 Correct answers:

- A. Resizable capacity
- B. Automated patches and backups
- C. Cost-efficient
- D. None of the above

Answer: ABC

NEW QUESTION 35

What are the primary benefits of using Lambda? (Select all that apply) Choose the 2 Correct answers:

- A. Pay for only the compute time you consume.
- B. Wide variety of operating systems to select from.
- C. Actively select and manage instance type and capacity.
- D. Run code without provisioning server

Answer: AD

Explanation:

Lambda, being AWS's serverless compute platform, means there are no servers, instance types, or capacity to select. That is all managed for you. With Lambda, you only pay for the when your code is actually being executed.

NEW QUESTION 39

If you have a set of frequently accessed files that are used on a daily basis, what S3 storage class should you store them in?
Choose the Correct Answer

- A. Infrequent Access
- B. Reduced Redundancy
- C. Standard
- D. Fast Access

Answer: C

Explanation:

The Standard storage class should be used for files that you access on a daily or very frequent basis.

NEW QUESTION 41

If you want in-depth details on how to create, manage, and attach IAM access policies to IAM users, in what AWS resource should you look?
Choose the Correct Answer

- A. AWS How-To-Help Section
- B. AWS Service Documentation
- C. AWS Whitepapers
- D. None of the above

Answer: B

Explanation:

AWS Service documentation is a collection of documents specific to each AWS service. They contain detailed how-to's, as well as technical walkthroughs and

specifications.

NEW QUESTION 44

You notice that five of your 10 S3 buckets are no longer available in your account, and you assume that they have been deleted. You are unsure who may have deleted them, and no one is taking responsibility. What should you do to investigate and find out who deleted the S3 buckets?

Choose the Correct Answer

- A. Look at the S3 logs.
- B. Look at the CloudTrail logs.
- C. Look at the CloudWatch Logs.
- D. Look at the SNS log

Answer: B

Explanation:

CloudTrail is logging service that logs actions taken by AWS users in your AWS account, such as creating/deleting S3 buckets, starting/stopping EC2 instances, etc.

NEW QUESTION 46

What should you do if you believe your AWS account has been compromised? (Select all that apply) Choose the 4 Correct answers:

- A. Delete any resources in your account that you did not create.
- B. Respond to any notifications you received from AWS through the AWS Support Center.
- C. Change all IAM user's passwords.
- D. Delete or rotate all programatic (API) access key

Answer: ABCD

Explanation:

All these answers are actions you should take if you believe your account has been compromised.

NEW QUESTION 50

Under what circumstances would someone want to use ElastiCache? (Select all that apply) Choose the 2 Correct answers:

- A. They need a NoSQL database option
- B. They need to use Edge Locations to cache content
- C. They need improved performance of their web application.
- D. They need in-memory data store service

Answer: CD

Explanation:

ElastiCache is used as an in-memory data store or cache in the cloud. Benefits include improved performance for web applications (that rely on information stored in a database). Edge Locations are used for caching content with the CloudFront service, so that is not an answer here.

NEW QUESTION 54

What are the benefits of AWS Organizations? (Select all that apply)

Choose the 2 Correct answers:

- A. Analyze cost across all multiple AWS accounts.
- B. Automate AWS account creation and management.
- C. Centrally manage access policies across multiple AWS accounts.
- D. None of the above

Answer: BC

Explanation:

AWS Organizations has four main benefits: 1) Centrally manage access policies across multiple AWS accounts. 2) Automate AWS account creation and management. 3) Control access to AWS services 4) Enable consolidated billing across multiple AWS accounts. Analyzing cost is done through the Cost Explorer (or TCO calculator), which is not part of AWS Organizations.

NEW QUESTION 59

David is managing a web application running on dozens of EC2 servers. He is worried that if something goes wrong with one of the servers he will not know about it in a timely manner. What solution could you offer to help him keep updated on the status of his servers?

Choose the Correct Answer

- A. Configure each EC2 instance with a custom script to email David when any issues occur.
- B. Configure RDS notifications based on CloudWatch EC2 metric alarms.
- C. Enable CloudTrail to log and report any issues that occur with the EC2 instances.
- D. Configure SNS notifications based on CloudWatch EC2 metric alarm

Answer: D

Explanation:

CloudWatch is used to track metrics on all EC2 instances. Metric alarms can be configured to trigger SNS messages if something goes wrong.

NEW QUESTION 60

What best describes Amazon Web Services (AWS)?
Choose the Correct Answer

- A. AWS only provides compute and storage services.
- B. AWS is the cloud.
- C. AWS is a cloud services provider.
- D. None of the abov

Answer: C

Explanation:

AWS is defined as a cloud services provider. They provide hundreds of services of which compute and storage are included (not limited to).

NEW QUESTION 63

What best describes the concept of high availability?
Choose the Correct Answer

- A. The ability for a system to grow and shrink based on demand.
- B. The ability for a system to withstand a certain amount of failure and still remain functional.
- C. The ability for a system to grow in size, capacity, and/or scope.
- D. The ability for a system be accessible when you attempt to access i

Answer: D

Explanation:

High availability refers to the concept that something will be accessible when you try to access it. An object or web application is "highly available" when it is accessible a vast majority of the time.

NEW QUESTION 64

What best describes the concept of elasticity?
Choose the Correct Answer

- A. The ability for a system to grow in size, capacity, and/or scope.
- B. The ability for a system to withstand a certain amount of failure and still remain functional.
- C. The ability for a system to grow and shrink based on demand.
- D. The ability for a system be accessible when you attempt to access i

Answer: C

Explanation:

Elasticity (think of a rubber band) defines a system that can easily (and cost-effectively) grow and shrink based on required demand.

NEW QUESTION 69

Amit is running a web application with a capacity of 5000 users. Every few days, traffic reaches 5000 users and any additional users are being denied access. What can Amit do to efficiently automate the process of adding and removing server capacity based on traffic demand?
Choose the Correct Answer

- A. Enable elastic load balancing on his application.
- B. Automating this process cannot be done
- C. Enable auto scaling on his application.
- D. Write a custom script to automate the process

Answer: C

Explanation:

Auto scaling in AWS allows you to configure metric-based rules that (when triggered) will add and/or remove instances (server capacity) to your application. Adding/moving instances is then automated based on the metric rules you configure.

NEW QUESTION 71

What best describes the concept of a virtual private cloud?
Choose the Correct Answer

- A. A private section of AWS in which you control what resources are placed inside.
- B. A collection of data centers.
- C. A shared section of AWS between you and other AWS account holders.
- D. A private section of AWS in which you control what resources are placed inside and who can access those resources.

Answer: D

Explanation:

A VPC is a private section of AWS in which you control what resources are placed inside and who can access those resources. A VPC defines your own private network that runs on AWS infrastructure.

NEW QUESTION 75

An Edge Location is a specialized AWS data center that works in conjunction with what AWS service?
Choose the Correct Answer

- A. Route 53
- B. CloudWatch
- C. Lambda
- D. CloudFront

Answer: D

Explanation:

CloudFront is comprised of a network of Edge Locations (which is where content is cached).

NEW QUESTION 79

What is the EC2 AMI Marketplace?

Choose the Correct Answer

- A. Where you select the storage type of an EC2 instance.
- B. A collection of pay-to-use EC2 AMIs that generally come packaged with licensed enterprise software.
- C. Where you store AMIs that you create.
- D. Where you select to compute capacity of an EC2 instanc

Answer: B

NEW QUESTION 83

Children's All Saints Hospital has millions of old medical records that they must save for regulatory reasons. These records will most likely never be accessed again. What is the best and most costeffective S3 storage option that will meet the hospitals needs?

Choose the Correct Answer

- A. Standard
- B. Infrequent Access
- C. Glacier
- D. Reduced Redundacy

Answer: C

Explanation:

Glacier is specifically designed for long-term archival storage. It is extremely inexpensive and should only be used for items that you access very infrequently.

NEW QUESTION 86

Kunal is logged into his company's AWS account. He tries to access EC2 but is getting an error. What is the most likely reason why he cannot access EC2?

Choose the Correct Answer

- A. There is not an IAM access policy attached to his IAM user.
- B. He is not part of an IAM Group.
- C. He does not have multi-factor authentication (MFA) enabled.
- D. There is not an IAM access policy attached to his IAM rol

Answer: A

Explanation:

When an IAM user is created, that user has NO access to any AWS services. To gain access to an AWS server, an IAM user must have permission granted to them. This is done by attached an IAM access policy to their IAM user (or through an attached group). However, just being in a group does not grant access. A proper policy would need to be attached to that group.

NEW QUESTION 89

What is the name of AWS's RDS SQL database engine?

Choose the Correct Answer

- A. Lightsail
- B. SNS
- C. MySQL
- D. Aurora

Answer: D

Explanation:

AWS created their own custom SQL database engine, which is called Aurora.

NEW QUESTION 92

What is AWS's relational database service?

Choose the Correct Answer

- A. Redshift
- B. DymamoDB
- C. ElastiCache
- D. RDS

Answer: D

Explanation:

RDS offers SQL database options - otherwise known as relational databases.

NEW QUESTION 96

What is the major difference between AWS's RDS and DynamoDB database services?

Choose the Correct Answer

- A. RDS offers NoSQL database options, and DynamoDB offers SQL database options.
- B. RDS offers on SQL database option, and DynamoDB offers many NoSQL database options.
- C. RDS offers SQL database options, and DynamoDB offers a NoSQL database option.
- D. None of the above

Answer: C

Explanation:

RDS is a SQL database service (that offers several database engine options), and DynamoDB is a NoSQL database option that only offers one NoSQL engine.

NEW QUESTION 100

If you want to monitor the average CPU usage of your EC2 instances, which AWS service should you use?

Choose the Correct Answer

- A. CloudMonitor
- B. CloudTrail
- C. CloudWatch
- D. None of the above

Answer: C

Explanation:

CloudWatch is used to collect, view, and track metrics for resources (such as EC2 instances) in your AWS account.

NEW QUESTION 104

Under what circumstances would you choose to use the AWS service CloudTrail?

Choose the Correct Answer

- A. When you want to collect and view resource metrics.
- B. When you want to log what actions various IAM users are taking in your AWS account.
- C. When you want a serverless compute platform.
- D. When you want to send SMS notifications based on events that occur in your account

Answer: B

Explanation:

CloudTrail is AWS's logging service used to log actions taken by users in your AWS account.

NEW QUESTION 107

Which AWS service uses a combination of publishers and subscribers?

Choose the Correct Answer

- A. SNS
- B. RDS
- C. EC2
- D. Lambda

Answer: A

Explanation:

In SNS, there are two types of clients: publishers and subscribers. Publishers send the message, and subscribers receive the message.

NEW QUESTION 111

If you want to learn about AWS architectural or security best practices, where will you find that type of information?

Choose the Correct Answer

- A. AWS Yellow Pages
- B. AWS Console Info Section
- C. AWS White Papers
- D. AWS Service Documentation

Answer: C

Explanation:

White papers are a collection of technical documents that outlines many AWS relevant topics.

NEW QUESTION 113

In the AWS Shared Responsibility Model, what is AWS responsible for? (Select all that apply) Choose the 2 Correct answers:

- A. Physical security of the AWS data centers
- B. Server-side encryption
- C. Network level security
- D. The maintenance of the hosts virtualization softwar

Answer: AD

NEW QUESTION 118

Consolidated billing is managed through what AWS service?
Choose the Correct Answer

- A. AWS TCO
- B. AWS Billing Manager
- C. AWS Consolidated Management
- D. AWS Organizations

Answer: D

Explanation:

AWS Organizations is where you can manage multiple AWS accounts in one place (including it's billing features, such as consolidated billing).

NEW QUESTION 123

What MUST you do before you do any penetration testing on your account?
Choose the Correct Answer

- A. Penetration testing is now allowed.
- B. Contact AWS and let them know first.
- C. Nothing, you are free to do penetration testing whenever you like.
- D. None of the above

Answer: B

Explanation:

You must contact AWS before doing any penetration testing on your account. If you do not notify AWS first, they may shut down your account.

NEW QUESTION 126

What is a main benefit of consolidated billing?
Choose the Correct Answer

- A. Faster response from AWS technical support.
- B. Gain a volume discount for usage across all your AWS accounts.
- C. Access to a higher support plan level.
- D. None of the abov

Answer: B

Explanation:

Consolidated billing allows you to view, manage, and pay bills for multiple AWS accounts in one user interface. Volume discounts can be earned by combining the usage from all accounts your own.

NEW QUESTION 127

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NEW QUESTION 1

What is the term used to describe giving an AWS user only access to the exact services he/she needs to do the required job and nothing more?
Choose the Correct Answer

- A. The Least Privilege User Principal
- B. The Principal of Least Privilege
- C. The Only Access Principal.
- D. None of the above

Answer: B

NEW QUESTION 2

What you create and S3 bucket, what rules must be followed regarding the bucket name? (Select all that apply) Choose the 2 Correct answers:

- A. Bucket names must be unique across all of AWS.
- B. Bucket names must be between 3-63 characters in length.
- C. Bucket names must contain at least one uppercase letter
- D. Bucket names can be formatted as IP addresses

Answer: AB

Explanation:

Although certain regions do allow for uppercase letters in the bucket name, uppercase letters are NOT required. Also, a bucket name cannot be formatted as an IP address.

NEW QUESTION 3

What AWS service must you use if you want to configure an AWS billing alarm? Choose the Correct Answer

- A. CloudWatch
- B. CloudMonitor
- C. Consolidated billing
- D. CloudTrail

Answer: A

Explanation:

CloudWatch is the AWS service that allows you to collect metrics, and create alarms based on those metrics. Billing metrics can be tracked in CloudWatch, therefore billing alarms can be created.

NEW QUESTION 4

What are some common uses of AWS? (Select all that apply) Choose the 4 Correct answers:

- A. Networking
- B. Analytics
- C. Storage
- D. Virtualization

Answer: ABCD

Explanation:

All of the answers are common uses of AWS. AWS has thousands of different uses. In this course we discussed some of the major categories, including: Storage Compute Power Databases Networking Analytics Developer Tools Virtualization Security

NEW QUESTION 5

You have just set up a brand new AWS account. You want to keep monthly billing under \$100, but you are worried about going over that limit. What can you set up in order to be notified when the monthly bill approaches \$100?
Choose the Correct Answer

- A. A CloudTrail billing alarm that triggers an SNS notification to your email address.
- B. A SNS billing alarm that triggers a CloudWatch notification to your email address.
- C. A CloudWatch billing alarm that triggers an SNS notification to your email address.
- D. A CloudWatch billing alarm that triggers a CloudTrail notification to your email address

Answer: C

Explanation:

In CloudWatch, you can set up a billing alarm that will trigger when your monthly bill hit the set threshold. That alarm can then be set up to trigger an SNS topic that will send you a notification that the alarm threshold has been met.

NEW QUESTION 6

The concept of elasticity is most closely associated with which of the following?
Choose the Correct Answer

- A. Auto Scaling
- B. Network Security
- C. Serverless Computing
- D. Elastic Load Balancing

Answer: A

Explanation:

Elasticity is the concept that a system can easily (and cost-effectively) both increase in capacity based on-demand and also shrink in capacity based on-demand. Auto Scaling on AWS is specifically designed to (automatically) increase and decrease server capacity based on-demand.

NEW QUESTION 7

What endpoints are possible to send messages to with Simple Notification Service? (Select all that apply)
Choose the 3 Correct answers:

- A. SMS
- B. FTP
- C. SQS
- D. Lambda

Answer: ACD

NEW QUESTION 8

What AWS storage class should be used for long-term, archival storage?
Choose the Correct Answer

- A. Glacier
- B. Long-Term
- C. Standard
- D. Infrequent Access

Answer: A

Explanation:

Glacier should be used for (and is specifically designed for) long-term , archival storage.

NEW QUESTION 9

Before moving and/or storing object in AWS Glacier, what considerations should you make regarding the data you want to store.
Choose the Correct Answer

- A. Make sure the data is properly formatted for storage Glacier.
- B. Make sure the total amount of data you want to store is under 1 terabyte in size.
- C. Make sure you are ok with it taking at minimum a few minutes to retrieve the data once stored in Glacier.
- D. None of the above

Answer: C

Explanation:

Objects stored in Glacier take time to retrieve. You can pay for expedited retrieval, which will take several minutes - OR wait several hours (for normal retrieval).

NEW QUESTION 10

John is working with a large data set, and he needs to import it into a relational database service. What AWS service will meet his needs?
Choose the Correct Answer

- A. RDS
- B. Redshift
- C. NoSQL
- D. DynamoDB

Answer: A

Explanation:

RDS is AWS's relational database service.

NEW QUESTION 10

What is AWS's serverless compute service?
Choose the Correct Answer

- A. S3
- B. Lambda
- C. EC2
- D. None of the above

Answer: B

Explanation:

AWS has two main compute services, EC2 (server-based) and Lambda (serverless).

NEW QUESTION 11

What is the most common type of storage used for EC2 instances?

Choose the Correct Answer

- A. Elastic File System (EFS)
- B. EC2 Hard Drives
- C. Elastic Block Store (EBS)
- D. Magnetic Drive (MD)

Answer: C

Explanation:

EC2 instance have several different hard drive options. However, Elastic Block Store (EBS), which is a type of Network Attached Storage, is the most popular and widely used.

NEW QUESTION 13

What AWS service has built-in DDoS mitigation?

Choose the Correct Answer

- A. CloudFront
- B. CloudTrail
- C. CloudWatch
- D. EC2

Answer: A

Explanation:

With CloudFront, you cache content at Edge Locations, which shield your underlining application infrastructure from DDoS attacks.

NEW QUESTION 16

You have been tasked by your department head to upload a batch of files to an S3 bucket; however, when you select S3 on the AWS console, you see a notification stating that you do not have permission to access S3. What is the most probable cause of this error?

Choose the Correct Answer

- A. It takes 24 hours go get access to S3.
- B. The S3 service is currently down for maintenance.
- C. You do not have an S3 access policy attached to your IAM user.
- D. Your boss has not enabled proper bucket permission

Answer: C

Explanation:

If you get an error stating that you do not have proper permissions to access/use and AWS service, then most likely your IAM user does not have the proper permission policy attached.

NEW QUESTION 21

What are the benefits of AWS's Relational Database Service (RDS)? (Select all that apply) Choose the 3 Correct answers:

- A. Resizable capacity
- B. Automated patches and backups
- C. Cost-efficient
- D. None of the above

Answer: ABC

NEW QUESTION 22

Thomas is managing the access rights and credentials for all the employees that have access to his company's AWS account. This morning, his was notified that some of these accounts may have been compromised, and he now needs to change the password policy and re-generate a new password for all users. What AWS service does Thomas need to use in order to accomplish this?

Choose the Correct Answer

- A. Policy and Access Management
- B. Elastic Cloud Compute
- C. Access Management
- D. None of the abov

Answer: D

Explanation:

Identity and Access Management (IAM) is the AWS service where password policies and user credentials are managed. (Policy and Access Management as a service does not exist).

NEW QUESTION 24

You notice that five of your 10 S3 buckets are no longer available in your account, and you assume that they have been deleted. You are unsure who may have deleted them, and no one is taking responsibility. What should you do to investigate and find out who deleted the S3 buckets?

Choose the Correct Answer

- A. Look at the S3 logs.
- B. Look at the CloudTrail logs.
- C. Look at the CloudWatch Logs.
- D. Look at the SNS log

Answer: B

Explanation:

CloudTrail is logging service that logs actions taken by AWS users in your AWS account, such as creating/deleting S3 buckets, starting/stopping EC2 instances, etc.

NEW QUESTION 28

What acts as an address (like a mailing address) for a web server located on a network?

Choose the Correct Answer

- A. DNS Server
- B. IP Address
- C. Common language domain name
- D. None of the above

Answer: B

Explanation:

An IP address is a server's address on a network. It is how traffic/request gets routed to it (much like a piece of mail gets routed to your home).

NEW QUESTION 33

What services has built-in DDoS mitigation and/or protection?

Choose the Correct Answer

- A. EC2
- B. RDS
- C. SNS
- D. None of the above

Answer: D

Explanation:

AWS services with built-in DDoS mitigation/protection include: 1) Route 53 2) CloudFront 3) WAF (web application firewall) 4) Elastic Load Balancing 5) VPCs and Security Groups

NEW QUESTION 34

What should you do if you believe your AWS account has been compromised? (Select all that apply) Choose the 4 Correct answers:

- A. Delete any resources in your account that you did not create.
- B. Respond to any notifications you received from AWS through the AWS Support Center.
- C. Change all IAM user's passwords.
- D. Delete or rotate all programmatic (API) access key

Answer: ABCD

Explanation:

All these answers are actions you should take if you believe your account has been compromised.

NEW QUESTION 35

Derek is running a web application and is noticing that he is paying for way more server capacity than is required. What AWS feature should Derek set up and configure to ensure that his application is automatically adding/removing server capacity to keep in line with the required demand?

Choose the Correct Answer

- A. Auto Scaling
- B. Elastic Server Scaling
- C. Elastic Load Balancing
- D. Auto Sizing

Answer: A

Explanation:

Auto scaling is the feature that automates the process of adding/removing server capacity from a system (based on usage demand). Auto scaling creates a very cost effective system by never having too much or too little server capacity.

NEW QUESTION 39

What is the purpose of AWS's Route 53 service? (Select all that apply) Choose the 2 Correct answers:

- A. Content Caching
- B. Database Management
- C. Domain Registration
- D. Domain Name System (DNS) service

Answer: CD

Explanation:

Route 53 is AWS's domain and DNS management service. You can use it to register new domain names, as well as manage DNS record sets.

NEW QUESTION 44

If you are using an on-demand EC2 instance, how are you being charged for it?

Choose the Correct Answer

- A. You are charged per second, based on an hourly rate, and there are no termination fees.
- B. You are charged by the hour and must pay a partial upfront fee.
- C. You must commit to a one or three year term and pay upfront.
- D. You are charged per second, based on an hourly rate, and there is a termination fee

Answer: A

Explanation:

On-demand EC2 instances are exactly that, on-demand. There are no upfront or termination fees, and you are charged for each second of usage (based on an hourly rate).

NEW QUESTION 46

What AWS feature acts as a traffic distribution regulator, making sure each EC2 instance in a system get the same amount of traffic?

Choose the Correct Answer

- A. Availability Zone
- B. ELB
- C. NACL
- D. Auto Scaling

Answer: B

Explanation:

An Elastic Load Balancer is responsible for evenly distributing incoming web traffic between all the EC2 instances associated with it. This helps prevent one server from becoming overloaded with traffic, while another server remains underutilized.

NEW QUESTION 49

What best describes the concept of fault tolerance?

Choose the Correct Answer

- A. The ability for a system to withstand a certain amount of failure and still remain functional.
- B. The ability for a system to grow and shrink based on demand.
- C. The ability for a system to grow in size, capacity, and/or scope.
- D. The ability for a system to be accessible when you attempt to access it

Answer: A

Explanation:

Fault tolerance describes the concept of a system (in our case a web application) to have failure in some of its components and still remain accessible (highly available). Fault tolerant web applications will have at least two web servers (in case one fails).

NEW QUESTION 51

What is the purpose of a DNS server?

Choose the Correct Answer

- A. To serve web application content.
- B. To convert common language domain names to IP addresses.
- C. To convert IP addresses to common language domain names.
- D. To act as an internet search engine

Answer: B

Explanation:

Domain name system servers act as a "third party" that provides the service of converting common language domain names to IP addresses (which are required for a web browser to properly make a request for web content).

NEW QUESTION 54

What best describes the concept of scalability?

Choose the Correct Answer

- A. The ability for a system to withstand a certain amount of failure and still remain functional.
- B. The ability for a system to grow in size, capacity, and/or scope.
- C. The ability for a system to grow and shrink based on demand.
- D. The ability for a system to be accessible when you attempt to access it

Answer: B

Explanation:

Scalability refers to the concept of a system being able to easily (and cost-effectively) scale UP. For web applications, this means the ability to easily add server capacity when demand requires.

NEW QUESTION 57

What is the relationship between AWS global infrastructure and the concept of high availability?
Choose the Correct Answer

- A. AWS is centrally located in one location and is subject to widespread outages if something happens at that one location.
- B. AWS regions and Availability Zones allow for redundant architecture to be placed in isolated parts of the world.
- C. Each AWS region handles a different AWS services, and you must use all regions to fully use AWS.
- D. None of the above

Answer: B

Explanation:

As an AWS user, you can create your applications infrastructure and duplicate it. By placing duplicate infrastructure in multiple regions, high availability is created because if one region fails you have a backup (in a another region) to use.

NEW QUESTION 60

Mike is setting up the infrastructure for a web application that requires three EC2 instances to handle the expected demand. However, when testing the application, Mike find that all traffic to the application is being routed to only one of the servers. What AWS feature should he add to his application in order to have traffic evenly distributed between all three servers?
Choose the Correct Answer

- A. Elastic Load Balancer
- B. Auto Scaling
- C. Route 53
- D. CloudFront

Answer: A

Explanation:

An Elastic Load Balancer is designed to evenly distribute incoming web traffic between all servers that are associated with it.

NEW QUESTION 65

Karen is building a website that is expected to have a minimum of 1000 users continually over the course of 24 hours. For 8 hours each day, traffic is expected to be at about 1800 users. What EC2 buying options should she use to handle all the traffic and be most cost-effective?
Choose the Correct Answer

- A. Karen should rely solely on spot instances since that will be the cheapest option.
- B. Karen should buy enough reserved instance capacity to handle all 1800 users and probably buy a little more capacity just in case it is needed.
- C. Karen should buy reserved instances with enough capacity to cover the baseline of 1000 users, then rely on on-demand instances for the 8 hour period of increased traffic each day.
- D. Karen should buy reserved instances with enough capacity to cover the baseline of 1000 users, then rely on spot instances for the 8 hour period of increased traffic each day.

Answer: C

Explanation:

Reserved instances should used use to handle the expected baseline traffic to the website. Reserved instances (in 1/3 year term) can be purchased as a significant discount over on-demand instances. Any varying traffic above the baseline should be handled with on-demand instance (since they can be added/removed at any time, based on current demand). Spot instances should not be used in this scenario.

NEW QUESTION 67

Amit is running a web application with a capacity of 5000 users. Every few days, traffic reaches 5000 users and any additional users are being denied access. What can Amit do to efficiently automate the process of adding and removing server capacity based on traffic demand?
Choose the Correct Answer

- A. Enable elastic load balancing on his application.
- B. Automating this process cannot be done
- C. Enable auto scaling on his application.
- D. Write a custom script to automate the process

Answer: C

Explanation:

Auto scaling in AWS allows you to configure metric-based rules that (when triggered) will add and/or remove instances (server capacity) to your application. Adding/moving instances is then automated based on the metric rules you configure.

NEW QUESTION 68

What are the TWO main security layers (firewalls) used inside a VPC? Choose the 2 Correct answers:

- A. NetProtect
- B. Network Access Control List
- C. Security Group
- D. Security Lists

Answer: BC

Explanation:

Network Access Control Lists (NACL) act as a firewall on the subnet level, and Security Groups act as a firewall on the instance level.

NEW QUESTION 70

What is a main benefit of CloudFront?
Choose the Correct Answer

- A. DNS management
- B. Unlimited storage
- C. Serverless compute capacity
- D. Built-in DDoS protection

Answer: D

Explanation:

CloudFront allows you to cache content at edge locations. When a request is made for that content, the request is sent to an edge location (not your applications hardware), so the edge locations will absorb any DDoS attack and protect your underlining hardware.

NEW QUESTION 75

What best describes the concept of a virtual private cloud?
Choose the Correct Answer

- A. A private section of AWS in which you control what resources are placed inside.
- B. A collection of data centers.
- C. A shared section of AWS between you and other AWS account holders.
- D. A private section of AWS in which you control what resources are placed inside and who can access those resources.

Answer: D

Explanation:

A VPC is a private section of AWS in which you control what resources are placed inside and who can access those resources. A VPC defines your own private network that runs on AWS infrastructure.

NEW QUESTION 76

An Edge Location is a specialized AWS data center that works in conjunction with what AWS service?
Choose the Correct Answer

- A. Route 53
- B. CloudWatch
- C. Lambda
- D. CloudFront

Answer: D

Explanation:

CloudFront is comprised of a network of Edge Locations (which is where content is cached).

NEW QUESTION 79

What is the EC2 AMI Marketplace?
Choose the Correct Answer

- A. Where you select the storage type of an EC2 instance.
- B. A collection of pay-to-use EC2 AMIs that generally come packaged with licensed enterprise software.
- C. Where you store AMIs that you create.
- D. Where you select to compute capacity of an EC2 instanc

Answer: B

NEW QUESTION 84

Children's All Saints Hospital has millions of old medical records that they must save for regulatory reasons. These records will most likely never be accessed again. What is the best and most costeffective S3 storage option that will meet the hospitals needs?
Choose the Correct Answer

- A. Standard
- B. Infrequent Access
- C. Glacier
- D. Reduced Redundacy

Answer: C

Explanation:

Glacier is specifically designed for long-term archival storage. It is extremely inexpensive and should only be used for items that you access very infrequently.

NEW QUESTION 86

Kunal is logged into his company's AWS account. He tries to access EC2 but is getting an error. What is the most likely reason why he cannot access EC2?
Choose the Correct Answer

- A. There is not an IAM access policy attached to his IAM user.
- B. He is not part of an IAM Group.
- C. He does not have multi-factor authentication (MFA) enabled.
- D. There is not an IAM access policy attached to his IAM rol

Answer: A

Explanation:

When an IAM user is created, that user has NO access to any AWS services. To gain access to an AWS server, an IAM user must have permission granted to them. This is done by attached an IAM access policy to their IAM user (or through an attached group). However, just being in a group does not grant access. A proper policy would need to be attached to that group.

NEW QUESTION 91

What are two open source in-memory engines supported by ElastiCache? Choose the 2 Correct answers:

- A. Redis
- B. Aurora
- C. Cachelt
- D. Memcached

Answer: AD

NEW QUESTION 95

What is the name of AWS's RDS SQL database engine?
Choose the Correct Answer

- A. Lightsail
- B. SNS
- C. MySQL
- D. Aurora

Answer: D

Explanation:

AWS created their own custom SQL database engine, which is called Aurora.

NEW QUESTION 97

If you want to monitor the average CPU usage of your EC2 instances, which AWS service should you use?
Choose the Correct Answer

- A. CloudMonitor
- B. CloudTrail
- C. CloudWatch
- D. None of the above

Answer: C

Explanation:

CloudWatch is used to collect, view, and track metrics for resources (such as EC2 instances) in your AWS account.

NEW QUESTION 101

If you want to have SMS or email notifications sent to various members of your department with status updates on resources in your AWS account, what service should you choose?
Choose the Correct Answer

- A. STS
- B. RDS
- C. GetSMS
- D. SNS

Answer: D

Explanation:

Simple Notification Service (SNS) is what publishes messages to SMS and/or email endpoints.

NEW QUESTION 103

Which AWS service uses a combination of publishers and subscribers?
Choose the Correct Answer

- A. SNS
- B. RDS
- C. EC2
- D. Lambda

Answer: A

Explanation:

In SNS, there are two types of clients: publishers and subscribers. Publishers send the message, and subscribers receive the message.

NEW QUESTION 105

What term best describes the AWS pricing model?
Choose the Correct Answer

- A. Pay-all-up-front
- B. Pay-as-you-go
- C. Pay-all-at-end
- D. None of the above

Answer: B

Explanation:

AWS operates on a pay-as-you-go model. No upfront cost or termination fees.

NEW QUESTION 109

If you want to learn about AWS architectural or security best practices, where will you find that type of information?
Choose the Correct Answer

- A. AWS Yellow Pages
- B. AWS Console Info Section
- C. AWS White Papers
- D. AWS Service Documentation

Answer: C

Explanation:

White papers are a collection of technical documents that outlines many AWS relevant topics.

NEW QUESTION 110

In the AWS Shared Responsibility Model, what is AWS responsible for? (Select all that apply) Choose the 2 Correct answers:

- A. Physical security of the AWS data centers
- B. Server-side encryption
- C. Network level security
- D. The maintenance of the hosts virtualization softwar

Answer: AD

NEW QUESTION 114

Consolidated billing is managed through what AWS service?
Choose the Correct Answer

- A. AWS TCO
- B. AWS Billing Manager
- C. AWS Consolidated Management
- D. AWS Organizations

Answer: D

Explanation:

AWS Organizations is where you can manage multiple AWS accounts in one place (including it's billing features, such as consolidated billing).

NEW QUESTION 119

What MUST you do before you do any penetration testing on your account?
Choose the Correct Answer

- A. Penetration testing is now allowed.
- B. Contact AWS and let them know first.
- C. Nothing, you are free to do penetration testing whenever you like.
- D. None of the above

Answer: B

Explanation:

You must contact AWS before doing any penetration testing on your account. If you do not notify AWS first, they may shut down your account.

NEW QUESTION 124

Which of the following are AWS Support Plans? (Select all that apply) Choose the 3 Correct answers:

- A. Enterprise
- B. Expert
- C. Basic
- D. Business

Answer: ACD

Explanation:

AWS has four support plan levels: Basic Developer Business Enterprise

NEW QUESTION 128

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NEW QUESTION 1

What is the term used to describe giving an AWS user only access to the exact services he/she needs to do the required job and nothing more?
Choose the Correct Answer

- A. The Least Privilege User Principal
- B. The Principal of Least Privilege
- C. The Only Access Principal.
- D. None of the above

Answer: B

NEW QUESTION 2

What you create and S3 bucket, what rules must be followed regarding the bucket name? (Select all that apply) Choose the 2 Correct answers:

- A. Bucket names must be unique across all of AWS.
- B. Bucket names must be between 3-63 characters in length.
- C. Bucket names must contain at least one uppercase letter
- D. Bucket names can be formatted as IP addresses

Answer: AB

Explanation:

Although certain regions do allow for uppercase letters in the bucket name, uppercase letters are NOT required. Also, a bucket name cannot be formatted as an IP address.

NEW QUESTION 3

What are some common uses of AWS? (Select all that apply) Choose the 4 Correct answers:

- A. Networking
- B. Analytics
- C. Storage
- D. Virtualization

Answer: ABCD

Explanation:

All of the answers are common uses of AWS. AWS has thousands of different uses. In this course we discussed some of the major categories, including: Storage Compute Power Databases Networking Analytics Developer Tools Virtualization Security

NEW QUESTION 4

How much data can you store in S3?
Choose the Correct Answer

- A. Storage capacity is virtually unlimited.
- B. You can store up to 1 petabyte of data.
- C. Each account is given 50 gigabytes of storage capacity and no more can be used.
- D. You can store up to 1 petabyte of data, then you are required to pay an additional fee

Answer: A

Explanation:

Although there is theoretically a capacity limit, as an S3 user, there is no limited on the amount of data you can store in S3.

NEW QUESTION 5

You have just set up a brand new AWS account. You want to keep monthly billing under \$100, but you are worried about going over that limit. What can you set up in order to be notified when the monthly bill approaches \$100?
Choose the Correct Answer

- A. A CloudTrail billing alarm that triggers an SNS notification to your email address.
- B. A SNS billing alarm that triggers a CloudWatch notification to your email address.
- C. A CloudWatch billing alarm that triggers an SNS notification to your email address.
- D. A CloudWatch billing alarm that triggers a CloudTrail notification to your email address

Answer: C

Explanation:

In CloudWatch, you can set up a billing alarm that will trigger when your monthly bill hit the set threshold. That alarm can then be set up to trigger an SNS topic that will send you a notification that the alarm threshold has been met.

NEW QUESTION 6

What best describes the purpose of having many Availability Zones in each AWS region?
Choose the Correct Answer

- A. Multiple Availability Zones allow for fault tolerance but not high availability.

- B. Multiple Availability Zones allow for cheaper prices due to competition between them.
- C. Multiple Availability Zones allow for duplicate and redundant compute, and data backups.
- D. None of the abov

Answer: C

Explanation:

Availability Zones work together within a region to provide users with the ability to easily setup and configure redundant architecture and backup solutions

NEW QUESTION 7

What TWO services/features are required to have highly available and fault tolerant architecture in AWS?
Choose the 2 Correct answers:

- A. Elastic Load Balancer
- B. CloudFront
- C. ElastiCache
- D. Auto Scaling

Answer: AD

NEW QUESTION 8

Which S3 storage class has lowest object availability rating?
Choose the Correct Answer

- A. Standard
- B. Reduced Redundancy
- C. Infrequent Access
- D. All of them have the same availability rating

Answer: C

Explanation:

Infrequent access has the lowest availability rating (99.90%). Standard and Reduced Redundancy have an availability rating of 99.99%

NEW QUESTION 9

What does S3 stand for? Choose the Correct Answer

- A. Simple Storage Service
- B. Simplified Storage Service
- C. Simple Store Service
- D. Service for Simple Storage

Answer: A

NEW QUESTION 10

Big Cloud Jumbo Corp is beginning to explore migrating their entire on-premises data center to AWS. They are very concerned about how much it will cost once their entire I.T. infrastructure is running on AWS. What tool can you recommend so that they can estimate what the cost of using AWS may be?
Choose the Correct Answer

- A. AWS Estimate Calculator
- B. AWS TCO Calculator
- C. AWS Cost Explorer
- D. AWS Migration Cost Calculator

Answer: B

Explanation:

The AWS TCO (Total Cost of Ownership) Calculator is a free tool provided by AWS. It allows you to compare your current on-premises cost vs. estimated AWS cost.

NEW QUESTION 10

John is working with a large data set, and he needs to import it into a relational database service. What AWS service will meet his needs?
Choose the Correct Answer

- A. RDS
- B. Redshift
- C. NoSQL
- D. DynamoDB

Answer: A

Explanation:

RDS is AWS's relational database service.

NEW QUESTION 11

Jeff is building a web application on AWS. He wants to make sure his application is highly available to his customers. What infrastructure components of the AWS

cloud allow Jeff to accomplish this goal? (Select all that apply)
Choose the 2 Correct answers:

- A. Availability Zones
- B. Regional Zones
- C. Regions
- D. Data Locations

Answer: AC

Explanation:

As part of AWS' global infrastructure, Regions and Availability Zones allow for backups and duplicate components to be placed in separate (isolated) areas of the globe. If one region/Availability Zone were to fail, duplicates in other regions/Availability Zones can be used.

NEW QUESTION 16

If an object is stored in the Standard S3 storage class and you want to move it to Glacier, what must you do in order to properly migrate it?
Choose the Correct Answer

- A. Delete the object and reupload it, selecting Glacier as the storage class.
- B. Create a lifecycle policy that will migrate it after a minimum of 30 days.
- C. Change the storage class directly on the object.
- D. None of the above

Answer: B

Explanation:

Any object uploaded to S3 must first be placed into either the Standard, Reduced Redundancy, or Infrequent Access storage class. Once in S3 the only way to move the object to glacier is through a lifecycle policy.

NEW QUESTION 21

What AWS service has built-in DDoS mitigation?
Choose the Correct Answer

- A. CloudFront
- B. CloudTrail
- C. CloudWatch
- D. EC2

Answer: A

Explanation:

With CloudFront, you cache content at Edge Locations, which shield your underlying application infrastructure from DDoS attacks.

NEW QUESTION 22

You have been tasked by your department head to upload a batch of files to an S3 bucket; however, when you select S3 on the AWS console, you see a notification stating that you do not have permission to access S3. What is the most probable cause of this error?
Choose the Correct Answer

- A. It takes 24 hours to get access to S3.
- B. The S3 service is currently down for maintenance.
- C. You do not have an S3 access policy attached to your IAM user.
- D. Your boss has not enabled proper bucket permission

Answer: C

Explanation:

If you get an error stating that you do not have proper permissions to access/use an AWS service, then most likely your IAM user does not have the proper permission policy attached.

NEW QUESTION 26

If you have a set of frequently accessed files that are used on a daily basis, what S3 storage class should you store them in?
Choose the Correct Answer

- A. Infrequent Access
- B. Reduced Redundancy
- C. Standard
- D. Fast Access

Answer: C

Explanation:

The Standard storage class should be used for files that you access on a daily or very frequent basis.

NEW QUESTION 30

You notice that five of your 10 S3 buckets are no longer available in your account, and you assume that they have been deleted. You are unsure who may have deleted them, and no one is taking responsibility. What should you do to investigate and find out who deleted the S3 buckets?

Choose the Correct Answer

- A. Look at the S3 logs.
- B. Look at the CloudTrail logs.
- C. Look at the CloudWatch Logs.
- D. Look at the SNS log

Answer: B

Explanation:

CloudTrail is logging service that logs actions taken by AWS users in your AWS account, such as creating/deleting S3 buckets, starting/stopping EC2 stances, etc.

NEW QUESTION 31

What acts as an address (like a mailing address) for a web server located on a network?

Choose the Correct Answer

- A. DNS Server
- B. IP Address
- C. Common language domain name
- D. None of the above

Answer: B

Explanation:

An IP address is a servers address on a network. It is how traffic/request get routed to it (much like a piece of mail gets routed to your home).

NEW QUESTION 36

Under what circumstances would someone want to use ElastiCache? (Select all that apply) Choose the 2 Correct answers:

- A. They need a NoSQL database option
- B. They need to use Edge Locations to cache content
- C. The need improved improve the performance of their web application.
- D. They need in-memory data store servic

Answer: CD

Explanation:

ElastiCache is used as an in-memory data store or cache in the cloud. Benefits include improved performance for web applications (that rely on information stored in a database). Edge Locations are used for caching content with the CloudFront service, so that is not a answer here.

NEW QUESTION 40

What AWS service uses Edge Locations for content caching?

Choose the Correct Answer

- A. ElastiCache
- B. Route 53
- C. CloudFront
- D. CloudCache

Answer: C

Explanation:

CloudFront is a content caching service provided by AWS that utilizes "Edge Locations," which are AWS data centers located all around the world.

NEW QUESTION 42

What is the purpose of AWS's Route 53 service? (Select all that apply) Choose the 2 Correct answers:

- A. Content Caching
- B. Database Management
- C. Domain Registration
- D. Domain Name System (DNS) service

Answer: CD

Explanation:

Route 53 is AWS's domain and DNS management service. You can use it to register new domain names, as well as manage DNS record sets.

NEW QUESTION 47

If you are using an on-demand EC2 instance, how are you being charged for it?

Choose the Correct Answer

- A. You are charged per second, based on an hourly rate, and there are no termination fees.
- B. You are charged by the hour and must pay a partial upfront fee.
- C. You must commit to a one or three year term and pay upfront.
- D. You are charged per second, based on an hourly rate, and there is a termination fe

Answer: A

Explanation:

On-demand EC2 instances are exactly that, on-demand. There are no upfront or termination fees, and you are charged for each second of usage (based on an hourly rate).

NEW QUESTION 51

What best describes Amazon Web Services (AWS)?
Choose the Correct Answer

- A. AWS only provides compute and storage services.
- B. AWS is the cloud.
- C. AWS is a cloud services provider.
- D. None of the above

Answer: C

Explanation:

AWS is defined as a cloud services provider. They provide hundreds of services of which compute and storage are included (not limited to).

NEW QUESTION 56

What are the four primary benefits of using the cloud/AWS?
Choose the Correct Answer

- A. Elasticity, scalability, easy access, limited storage.
- B. Fault tolerance, scalability, elasticity, and high availability.
- C. Unlimited storage, limited compute capacity, fault tolerance, and high availability.
- D. Fault tolerance, scalability, sometimes available, unlimited storage

Answer: B

Explanation:

Fault tolerance, scalability, elasticity, and high availability are the four primary benefits of AWS/the cloud.

NEW QUESTION 60

What is the purpose of a DNS server?
Choose the Correct Answer

- A. To serve web application content.
- B. To convert common language domain names to IP addresses.
- C. To convert IP addresses to common language domain names.
- D. To act as an internet search engine

Answer: B

Explanation:

Domain name system servers act as a "third party" that provides the service of converting common language domain names to IP addresses (which are required for a web browser to properly make a request for web content).

NEW QUESTION 64

What best describes the concept of elasticity?
Choose the Correct Answer

- A. The ability for a system to grow in size, capacity, and/or scope.
- B. The ability for a system to withstand a certain amount of failure and still remain functional.
- C. The ability for a system to grow and shrink based on demand.
- D. The ability for a system to be accessible when you attempt to access it

Answer: C

Explanation:

Elasticity (think of a rubber band) defines a system that can easily (and cost-effectively) grow and shrink based on required demand.

NEW QUESTION 68

Mike is setting up the infrastructure for a web application that requires three EC2 instances to handle the expected demand. However, when testing the application, Mike finds that all traffic to the application is being routed to only one of the servers. What AWS feature should he add to his application in order to have traffic evenly distributed between all three servers?
Choose the Correct Answer

- A. Elastic Load Balancer
- B. Auto Scaling
- C. Route 53
- D. CloudFront

Answer: A

Explanation:

An Elastic Load Balancer is designed to evenly distribute incoming web traffic between all servers that are associated with it.

NEW QUESTION 70

Karen is building a website that is expected to have a minimum of 1000 users continually over the course of 24 hours. For 8 hours each day, traffic is expected to be at about 1800 users. What EC2 buying options should she use to handle all the traffic and be most cost-effective?

Choose the Correct Answer

- A. Karen should rely solely on spot instances since that will be the cheapest option.
- B. Karen should buy enough reserved instance capacity to handle all 1800 users and probably buy a little more capacity just in case it is needed.
- C. Karen should buy reserved instances with enough capacity to cover the baseline of 1000 users, then rely on on-demand instances for the 8 hour period of increased traffic each day.
- D. Karen should buy reserved instances with enough capacity to cover the baseline of 1000 users, then rely on spot instances for the 8 hour period of increased traffic each day.

Answer: C

Explanation:

Reserved instances should be used to handle the expected baseline traffic to the website. Reserved instances (in 1/3 year term) can be purchased as a significant discount over on-demand instances. Any varying traffic above the baseline should be handled with on-demand instance (since they can be added/removed at any time, based on current demand). Spot instances should not be used in this scenario.

NEW QUESTION 74

What is a main benefit of CloudFront?

Choose the Correct Answer

- A. DNS management
- B. Unlimited storage
- C. Serverless compute capacity
- D. Built-in DDoS protection

Answer: D

Explanation:

CloudFront allows you to cache content at edge locations. When a request is made for that content, the request is sent to an edge location (not your applications hardware), so the edge locations will absorb any DDoS attack and protect your underlying hardware.

NEW QUESTION 77

Jacky is creating a website using AWS infrastructure. She has a great idea for a domain name but needs to see if it's available and, if so, register it. What AWS service will allow her to do this?

Choose the Correct Answer

- A. CloudFront
- B. DomainServices
- C. CloudWatch
- D. Route 53

Answer: D

Explanation:

Route 53 is AWS's domain and DNS management service. (DomainServices does not exist).

NEW QUESTION 80

Kunal is logged into his company's AWS account. He tries to access EC2 but is getting an error. What is the most likely reason why he cannot access EC2?

Choose the Correct Answer

- A. There is not an IAM access policy attached to his IAM user.
- B. He is not part of an IAM Group.
- C. He does not have multi-factor authentication (MFA) enabled.
- D. There is not an IAM access policy attached to his IAM role

Answer: A

Explanation:

When an IAM user is created, that user has NO access to any AWS services. To gain access to an AWS service, an IAM user must have permission granted to them. This is done by attaching an IAM access policy to their IAM user (or through an attached group). However, just being in a group does not grant access. A proper policy would need to be attached to that group.

NEW QUESTION 83

Donna needs to provision a Linux server to run a web application on. What AWS service should she use to create the Linux server?

Choose the Correct Answer

- A. VPC
- B. Lambda
- C. IAM
- D. EC2

Answer: D

Explanation:

Elastic Cloud Compute (EC2) is AWS server-based compute service platform. You can use it to provision and use Linux- and Windows-based servers.

NEW QUESTION 84

What is AWS's relational database service?
Choose the Correct Answer

- A. Redshift
- B. DymamoDB
- C. ElastiCache
- D. RDS

Answer: D

Explanation:

RDS offers SQL database options - otherwise known as relational databases.

NEW QUESTION 88

Under what circumstances would you choose to use the AWS service CloudTrail?
Choose the Correct Answer

- A. When you want to collect and view resource metrics.
- B. When you want to log what actions various IAM users are taking in your AWS account.
- C. When you want a serverless compute platform.
- D. When you want to send SMS notifications based on events that occur in your account

Answer: B

Explanation:

CloudTrail is AWS's logging service used to log actions taken by users in your AWS account.

NEW QUESTION 89

If you want to learn about AWS architectural or security best practices, where will you find that type of information?
Choose the Correct Answer

- A. AWS Yellow Pages
- B. AWS Console Info Section
- C. AWS White Papers
- D. AWS Service Documentation

Answer: C

Explanation:

White papers are a collection of technical documents that outlines many AWS relevant topics.

NEW QUESTION 90

Consolidated billing is managed through what AWS service?
Choose the Correct Answer

- A. AWS TCO
- B. AWS Billing Manager
- C. AWS Consolidated Management
- D. AWS Organizations

Answer: D

Explanation:

AWS Organizations is where you can manage multiple AWS accounts in one place (including it's billing features, such as consolidated billing).

NEW QUESTION 91

What MUST you do before you do any penetration testing on your account?
Choose the Correct Answer

- A. Penetration testing is now allowed.
- B. Contact AWS and let them know first.
- C. Nothing, you are free to do penetration testing whenever you like.
- D. None of the above

Answer: B

Explanation:

You must contact AWS before doing any penetration testing on your account. If you do not notify AWS first, they may shut down your account.

NEW QUESTION 94

Which of the following are AWS Support Plans? (Select all that apply) Choose the 3 Correct answers:

- A. Enterprise
- B. Expert
- C. Basic

D. Business

Answer: ACD

Explanation:

AWS has four support plan levels: Basic Developer Business Enterprise

NEW QUESTION 95

What is a main benefit of consolidated billing?
Choose the Correct Answer

- A. Faster response from AWS technical support.
- B. Gain a volume discount for usage across all your AWS accounts.
- C. Access to a higher support plan level.
- D. None of the abov

Answer: B

Explanation:

Consolidated billing allows you to view, manage, and pay bills for multiple AWS accounts in one user interface. Volume discounts can be earned by combining the usage from all accounts your own.

NEW QUESTION 97

What best describes the difference between the TCO Calculator and the Cost Explorer?
Choose the Correct Answer

- A. The TCO Calculator help you analyze current AWS usage charges; the Cost Explorer helps you estimate the cost savings of using AWS.
- B. The TCO Calculator helps you estimate the cost savings of using AWS; the Cost Explorer help you analyze current AWS usage charges.
- C. The Cost Explorer helps you calculate hourly EC2 Usage cost; the TCO Calculator is a price list for each AWS service.
- D. The Cost Explorer is a price list for each AWS service; the TCO Calculator helps you calculate hourly EC2 Usage cost.

Answer: B

Explanation:

The TCO calculator is a free tool provided by AWS that allows you to estimate the cost savings of using AWS vs. using an on-premises data center. The Cost Explorer is a free tool that allows you to view charges of your cost (helps you analyze where you are spending money).

NEW QUESTION 98

What categories full under those analyzed by the AWS Trusted Advisor program? (Select all that apply)
Choose the 2 Correct answers:

- A. Fault tolerance
- B. Scalability
- C. Cost optimization
- D. None of the above

Answer: AC

Explanation:

The AWS Trusted Advisor program will analyze your account with check in the following categories: Cost Optimization Performance Security Fault Tolerance

NEW QUESTION 100

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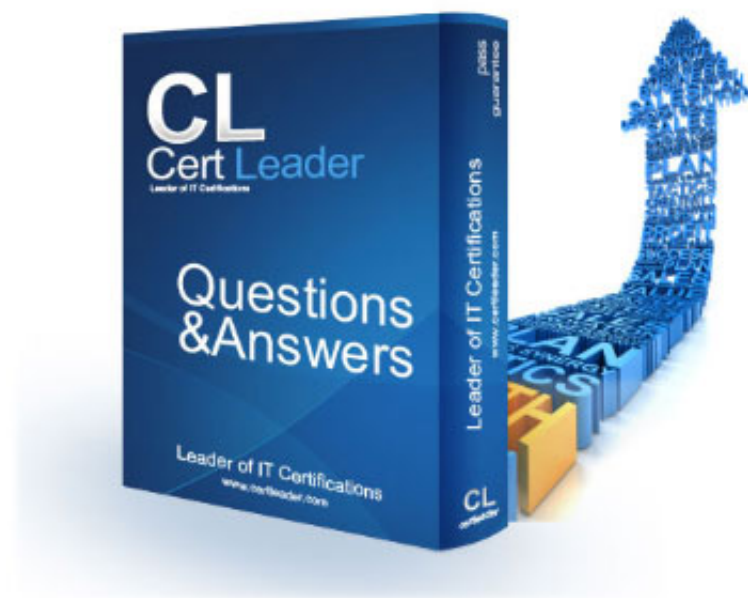
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NEW QUESTION 1

What are the main benefits of On-Demand EC2 instances? (Select all that apply) Choose the 2 Correct answers:

- A. They are the cheapest buying option.
- B. They are the most filexible buying option.
- C. They require 1-2 days for setup and configuration.
- D. Create, start, stop, and terminate at any tim

Answer: BD

Explanation:

On-demand EC2 instances are widely used due to their filexibility. You can create, start, stop, and terminate at any time (with no startup or termination fees). Although due to this filexibility, they are the most expensive buying option.

NEW QUESTION 2

What AWS service must you use if you want to configure an AWS billing alarm? Choose the Correct Answer

- A. CloudWatch
- B. CloudMonitor
- C. Consolidated billing
- D. CloudTrail

Answer: A

Explanation:

CloudWatch is the AWS service that allows you to collect metrics, and create alarms based on those metrics. Billing metrics can be tracked in CloudWatch, therefore billing alarms can be created.

NEW QUESTION 3

What are some common uses of AWS? (Select all that apply) Choose the 4 Correct answers:

- A. Networking
- B. Analytics
- C. Storage
- D. Virtualization

Answer: ABCD

Explanation:

All of the answers are common uses of AWS. AWS has thousands of different uses. In this course we discussed some of the major categories, including: Storage Compute Power Databases Networking Analytics Developer Tools Virtualization Security

NEW QUESTION 4

You have just set up a brand new AWS account. You want to keep monthly billing under \$100, but you are worried about going over that limit. What can you set up in order to be notified when the monthly bill approaches \$100? Choose the Correct Answer

- A. A CloudTrail billing alarm that triggers an SNS notification to your email address.
- B. A SNS billing alarm that triggers a CloudWatch notification to your email address.
- C. A CloudWatch billing alarm that triggers an SNS notification to your email address.
- D. A CloudWatch billing alarm that triggers a CloudTrail notification to your email address

Answer: C

Explanation:

In CloudWatch, you can set up a billing alarm that will trigger when your monthly bill hit the set threshold. That alarm can then be set up to trigger an SNS topic that will send you a notification that the alarm threshold as been met.

NEW QUESTION 5

What best describes the purpose of having many Availability Zones in each AWS region? Choose the Correct Answer

- A. Multiple Availability Zones allow for fault tolerance but not high availability.
- B. Multiple Availability Zones allow for cheaper prices due to competition between them.
- C. Multiple Availability Zones allow for duplicate and redundant compute, and data backups.
- D. None of the abov

Answer: C

Explanation:

Availability Zones work together within a region to provide users with the ability to easily setup and configure redundant architecture and backup solutions

NEW QUESTION 6

Which S3 storage class has lowest object availability rating?

Choose the Correct Answer

- A. Standard
- B. Reduced Redundancy
- C. Infrequent Access
- D. All of them have the same availability rating

Answer: C

Explanation:

Infrequent access has the lowest availability rating (99.90%). Standard and Reduced Redundancy have an availability rating of 99.99%

NEW QUESTION 7

The concept of elasticity is most closely associated with which of the following?

Choose the Correct Answer

- A. Auto Scaling
- B. Network Security
- C. Serverless Computing
- D. Elastic Load Balancing

Answer: A

Explanation:

Elasticity is the concept that a system can easily (and cost-effectively) both increase in capacity based on-demand and also shrink in capacity based on-demand. Auto Scaling on AWS is specifically designed to (automatically) increase and decrease server capacity based on-demand.

NEW QUESTION 8

Big Cloud Jumbo Corp is beginning to explore migrating their entire on-premises data center to AWS. They are very concerned about how much it will cost once their entire I.T. infrastructure is running on AWS. What tool can you recommend so that they can estimate what the cost of using AWS may be?

Choose the Correct Answer

- A. AWS Estimate Calculator
- B. AWS TCO Calculator
- C. AWS Cost Explorer
- D. AWS Migration Cost Calculator

Answer: B

Explanation:

The AWS TCO (Total Cost of Ownership) Calculator is a free tool provided by AWS. It allows you to compare your current on-premises cost vs. estimated AWS cost.

NEW QUESTION 9

Why would a company decide to use AWS over an on-premises data center? (Select all that apply) Choose the 4 Correct answers:

- A. Highly available infrastructure
- B. Elastic resources based on demand
- C. No upfront cost
- D. Cost-effective

Answer: ABCD

Explanation:

All four answers listed are reasons why a company may decide to use AWS over an on-premises data center.

NEW QUESTION 10

Before moving and/or storing object in AWS Glacier, what considerations should you make regarding the data you want to store.

Choose the Correct Answer

- A. Make sure the data is properly formatted for storage Glacier.
- B. Make sure the total amount of data you want to store is under 1 terabyte in size.
- C. Make sure you are ok with it taking at minimum a few minutes to retrieve the data once stored in Glacier.
- D. None of the above

Answer: C

Explanation:

Objects stored in Glacier take time to retrieve. You can pay for expedited retrieval, which will take several minutes - OR wait several hours (for normal retrieval).

NEW QUESTION 10

Jeff is building a web application on AWS. He wants to make sure his application is highly available to his customers. What infrastructure components of the AWS cloud allow Jeff to accomplish this goal? (Select all that apply)

Choose the 2 Correct answers:

- A. Availability Zones

- B. Regional Zones
- C. Regions
- D. Data Locations

Answer: AC

Explanation:

As part of AWS' global infrastructure, Regions and Availability Zones allow for backups and duplicate components to be placed in separate (isolated) areas of the globe. If one region/Availability Zone were to fail, duplicates in other regions/Availability Zones can be used.

NEW QUESTION 11

What is the availability and durability rating of S3 Standard Storage Class?
Choose the Correct Answer

- A. 99.999999999% Durability and 99.99% Availability
- B. 99.999999999% Availability and 99.90% Durability
- C. 99.999999999% Availability and 99.99% Durability
- D. 99.999999999% Durability and 99.00% Availability

Answer: A

Explanation:

S3 Standard Storage class has a rating of 99.999999999% durability (referred to as 11 nines) and 99.99% availability.

NEW QUESTION 14

S3 storage classes are rated by what two metric categories? (Select two) Choose the 2 Correct answers:

- A. Objectivity
- B. Durability
- C. Availability
- D. Fault tolerance

Answer: BC

Explanation:

Each S3 storage class is rated on its availability and durability.

NEW QUESTION 15

Thomas is managing the access rights and credentials for all the employees that have access to his company's AWS account. This morning, his was notified that some of these accounts may have been compromised, and he now needs to change the password policy and re-generate a new password for all users. What AWS service does Thomas need to use in order to accomplish this?
Choose the Correct Answer

- A. Policy and Access Management
- B. Elastic Cloud Compute
- C. Access Management
- D. None of the above

Answer: D

Explanation:

Identity and Access Management (IAM) is the AWS service where password policies and user credentials are managed. (Policy and Access Management as a service does not exist).

NEW QUESTION 17

If you want in-depth details on how to create, manage, and attach IAM access policies to IAM users, in what AWS resource should you look?
Choose the Correct Answer

- A. AWS How-To-Help Section
- B. AWS Service Documentation
- C. AWS Whitepapers
- D. None of the above

Answer: B

Explanation:

AWS Service documentation is a collection of documents specific to each AWS service. They contain detailed how-to's, as well as technical walkthroughs and specifications.

NEW QUESTION 19

Matt is working on a projects that involves converting an images format from .png to .jpg. Thousands of images have to be converted; however, time is not really an issue and continual processing is not required. What type of EC2 buying option would be most cost-effective for Matt to use?
Choose the Correct Answer

- A. Spot
- B. On-demand

- C. Reserved
- D. None of the above

Answer: A

Explanation:

Spot instances offer the cheapest option of all EC2's buying options. However, spot instances should only be used when there can be interruptions in the processing jobs being conducted. This is due to the fluctuation in spot pricing. If the spot price goes above your bid price, then you will lose access to the spot instance (thus causing a stoppage in processing).

NEW QUESTION 22

Tracy has created a web application, placing it's underlining infrastructure in the N. Virginia (US-East-1) region. After several months, Tracy notices that much of the traffic coming to her website is coming from Japan. What can Tracy do to (best) help reduce latency for her users in Japan?
Choose the Correct Answer

- A. Copy the current VPC and located in US-East-1 and ask AWS to move it to a region closest to Japan
- B. Create a and manage a complete duplicate copy of the web application and its infrastructure in a region closest to Japan.
- C. Create a CDN using CloudFront, making sure the proper content is cached at Edge Locations closest to Japan.
- D. Create a CDN using CloudCache, making sure the proper content is cached at Edge Locations closest to Japan.

Answer: C

Explanation:

CloudFront is AWS's content delivery network (CDN) service. You can use it to cache web content at edge locations what are closest to you customers. This will decrease latency for the customer and improve overall performance.

NEW QUESTION 26

What AWS feature acts as a traffic distribution regulator, making sure each EC2 instance in a system get the same amount of traffic?
Choose the Correct Answer

- A. Availability Zone
- B. ELB
- C. NACL
- D. Auto Scaling

Answer: B

Explanation:

An Elastic Load Balancer is responsible for evenly distributing incoming web traffic between all the EC2 instances associated with it. This help prevent one server from becoming overloaded with traffic, while another server remains underutilized.

NEW QUESTION 30

What are the four primary benefits of using the cloud/AWS?
Choose the Correct Answer

- A. Elasticity, scalability, easy access, limited storage.
- B. Fault tolerance, scalability, elasticity, and high availability.
- C. Unlimited storage, limited compute capacity, fault tolerance, and high availability.
- D. Fault tolerance, scalability, sometimes available, unlimited storage

Answer: B

Explanation:

Fault tolerance, scalability, elasticity, and high availability are the four primary benefits of AWS/the cloud.

NEW QUESTION 34

What is the purpose of a DNS server?
Choose the Correct Answer

- A. To serve web application content.
- B. To convert common language domain names to IP addresses.
- C. To convert IP addresses to common language domain names.
- D. To act as an internet search engin

Answer: B

Explanation:

Domain name system servers act as a "third party" that provides the service of converting common language domain names to IP addresses (which are required for a web browser to properly make a request for web content).

NEW QUESTION 39

What is the relationship between AWS global infrastructure and the concept of high availability?
Choose the Correct Answer

- A. AWS is centrally located in one location and is subject to widespread outages if something happens at that one location.
- B. AWS regions and Availability Zones allow for redundant architecture to be placed in isolated parts of the world.

- C. Each AWS region handles a different AWS services, and you must use all regions to fully use AWS.
D. None of the above

Answer: B

Explanation:

As an AWS user, you can create your applications infrastructure and duplicate it. By placing duplicate infrastructure in multiple regions, high availability is created because if one region fails you have a backup (in a another region) to use.

NEW QUESTION 43

Jacky is creating a website using AWS infrastructure. She has a great idea for a domain name but needs to see if it's available and, if so, register it. What AWS service will allow her to do this?

Choose the Correct Answer

- A. CloudFront
B. DomainServices
C. CloudWatch
D. Route 53

Answer: D

Explanation:

Route 53 is AWS's domain and DNS management service. (DomainServices does not exist).

NEW QUESTION 46

Kunal is logged into his company's AWS account. He tries to access EC2 but is getting an error. What is the most likely reason why he cannot access EC2?

Choose the Correct Answer

- A. There is not an IAM access policy attached to his IAM user.
B. He is not part of an IAM Group.
C. He does not have multi-factor authentication (MFA) enabled.
D. There is not an IAM access policy attached to his IAM rol

Answer: A

Explanation:

When an IAM user is created, that user has NO access to any AWS services. To gain access to an AWS server, an IAM user must have permission granted to them. This is done by attached an IAM access policy to their IAM user (or through an attached group). However, just being in a group does not grant access. A proper policy would need to be attached to that group.

NEW QUESTION 48

In S3, what is a file that you upload called?

Choose the Correct Answer

- A. Static File
B. Bucket
C. Folder
D. Object

Answer: D

Explanation:

Files that are stored in S3 are referred to as objects.

NEW QUESTION 53

Donna needs to provision a Linux server to run a web application on. What AWS service should she use to create the Linux server?

Choose the Correct Answer

- A. VPC
B. Lambda
C. IAM
D. EC2

Answer: D

Explanation:

Elastic Cloud Compute (EC2) is AWS server-based compute service platform. You can use it to provision and use Linux- and Windows-based servers.

NEW QUESTION 56

What is the name of AWS's RDS SQL database engine?

Choose the Correct Answer

- A. Lightsail
B. SNS
C. MySQL
D. Aurora

Answer: D

Explanation:

AWS created their own custom SQL database engine, which is called Aurora.

NEW QUESTION 58

What is AWS's relational database service?

Choose the Correct Answer

- A. Redshift
- B. DymamoDB
- C. ElastiCache
- D. RDS

Answer: D

Explanation:

RDS offers SQL database options - otherwise known as relational databases.

NEW QUESTION 62

What is the major difference between AWS's RDS and DynamoDB database services?

Choose the Correct Answer

- A. RDS offers NoSQL database options, and DynamoDB offers SQL database options.
- B. RDS offers on SQL database option, and DynamoDB offers many NoSQL database options.
- C. RDS offers SQL database options, and DynamoDB offers a NoSQL database option.
- D. None of the above

Answer: C

Explanation:

RDS is a SQL database service (that offers several database engine options), and DynamoDB is a NoSQL database option that only offers one NoSQL engine.

NEW QUESTION 66

Under what circumstances would you choose to use the AWS service CloudTrail?

Choose the Correct Answer

- A. When you want to collect and view resource metrics.
- B. When you want to log what actions various IAM users are taking in your AWS account.
- C. When you want a serverless compute platform.
- D. When you want to send SMS notificaitions based on events that occur in your accoun

Answer: B

Explanation:

CloudTrail is AWS's logging service used to log actions taken by users in your AWS account.

NEW QUESTION 69

Consolidated billing is managed through what AWS service?

Choose the Correct Answer

- A. AWS TCO
- B. AWS Billing Manager
- C. AWS Consolidated Management
- D. AWS Organizations

Answer: D

Explanation:

AWS Organizations is where you can manage multiple AWS accounts in one place (including it's billing features, such as consolidated billing).

NEW QUESTION 73

.....

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AWS Cloud Practitioner: Exam Prep

PREPARATION FOR THE CERTIFICATION EXAM



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Getting Ready

Up Next:
Reviewing Exam Prep A

Questions 1-10

Question 1

Your organization has decided to adopt "infrastructure as code" with AWS CloudFormation for new infrastructure launched into your AWS accounts. Which pillar of the Well-Architected Framework is this recommendation included in?

- ☒ A. Operational Excellence
- ☐ B. Security
- ☐ C. Fault Tolerance
- ☐ D. Cost Optimization

Question 2

Your company is moving a self-managed database over to AWS, and it will be running on EC2 for at least 3 years. They want to avoid any large expenses up-front but want to reduce the monthly cost as much as possible. What EC2 pricing model should you recommend?

- A. Dedicated Host
- ☒ B. Reserved - 3 year - No Upfront
- C. On-Demand Instance
- D. Reserved - 3 year - Partial Upfront

Question 3

What is the least costly support plan that provides 24/7 access to documentation, whitepapers, and support forums?

- A. Business
- B. Developer
- ☒ C. Basic
- D. Enterprise

Question 4

You want to launch multiple EC2 instances that all have the same operating system customizations. What would you need to create so that each of these instances included those customizations?

- A. Amazon S3 Bucket
- ☒ B. Custom Amazon Machine Image (AMI)
- C. Amazon Virtual Private Cloud (VPC)
- D. Amazon Elastic File System (EFS)

Question 5

Which managed service could provide distribution of incoming traffic across multiple Amazon EC2 instances?

- A. Amazon Elasticsearch
- B. AWS Elastic Beanstalk
- ☒ C. Elastic Load Balancing
- D. AWS Auto Scaling

Question 6

Your organization has decided to experiment with Machine Learning for a specific business problem. Later the same day, the team has a Machine Learning environment up and running in AWS to begin experimentation. Which cloud benefit is illustrated in this scenario?

- A. Loose coupling
- ☒ B. Agility
- C. Design for failure
- D. Elasticity

Question 7

Which of the following are pillars of the AWS Well-Architected Framework? (select three)

- A. Fault Tolerance
- ☒ B. Operational Excellence
- ☒ C. Security
- ☒ D. Cost Optimization
- E. High Availability

Question 8

Which element of AWS Global infrastructure consists of multiple Availability Zones?

- A. Edge Location
- ☒ B. Region
- C. Point of Presence
- D. Data Center

Question 9

What feature of a Virtual Private Cloud (VPC) works like a virtual firewall for the network?

- A. Subnets
- B. Virtual Private Gateways
- ☒ C. Security Groups
- D. Internet Gateways

Question 10

Which AWS service enables organizations to create a private link between their data center and an AWS region that doesn't travel over the public Internet?

- ☒ A. AWS Direct Connect
- B. AWS Site to Site Connect
- C. AWS Cloud VPN
- D. Amazon Direct Cloud

Questions 11-20

Question 11

Which service provides nearly limitless object storage with multiple storage classes covering use cases from frequent access to archive storage?

- ☒ A. Amazon S3
- ☐ B. AWS CloudStorage
- ☐ C. Amazon EFS
- ☐ D. Amazon EBS

Question 12

Which service can give you a secure and encrypted connection to a Virtual Private Cloud (VPC) on AWS over the public Internet?

- A. AWS Direct Connect
- B. AWS GuardDuty
- ☒ C. AWS Virtual Private Network (VPN)
- D. AWS Key Management Service

Question 13

Your organization frequently deploys a standard web application stack for new applications. What AWS service would enable them to define this common infrastructure in code and also detect any drift to the stack configuration of a deployed application?

- ☒ A. AWS CloudFormation
- B. AWS Resource Manager
- C. AWS CodeCommit
- D. AWS CodeDeploy

Question 14

Which pricing factors are considered when using AWS Lambda?
(choose two)

- ☒ A. Duration (based on the memory allocated)
- ☐ B. Number of instances
- ☐ C. Maximum concurrent instances
- ☒ D. Number of requests
- ☐ E. Instance size

Question 15

Which architectural principle is illustrated in the following statement: "Isolate the behavior of a component from other components that depend on it, increasing resiliency and agility."

- A. Least privilege access
- B. High availability
- C. Tight coupling
- ☒ D. Loose coupling

Question 16

Which tool can be used to automate the creation and management of multiple account AWS environments?

- A. AWS Cost Explorer
- B. Identity and Access Management
- C. AWS Directory Service
- ☒ D. AWS Control Tower

Question 17

Which AWS service allows you to manage multiple AWS accounts, simplify billing for all accounts, and apply policies for governance of those accounts?

- A. AWS Directory Service
- B. AWS Accounts
- C. AWS CloudFormation
- ☒ D. AWS Organizations

Question 18

Which AWS managed service provides the ability to setup and manage relational databases for the most common database engines?

- A. AWS Database Migration Tool
- ☒ B. Amazon Relational Database Service (RDS)
- C. Amazon SimpleDB
- D. Amazon DynamoDB

Question 19

What AWS service can be leveraged in the deployment of your custom software to Amazon EC2 and AWS Fargate?

- A. AWS CodeCommit
- ☒ B. AWS CodeDeploy
- C. AWS CodeGuru
- D. AWS CodeArtifact

Question 20

Which service provides a NoSQL cloud database with single-digit millisecond latency that operates as a key-value and document store?

- A. Amazon SimpleDB
- B. Amazon Aurora
- ☒ C. Amazon DynamoDB
- D. Amazon EBS

Questions 21-30

Question 21

Which of the following would not be factored into a TCO comparison analysis of switching to the cloud from a traditional data center?

- A. Cost of purchasing data storage hardware
- ☒ B. Custom software development
- C. Utility costs for data center
- D. Cost of purchasing servers

Question 22

Within the Shared Responsibility Model, which areas would be the responsibility of the customer? (choose three)

- A. Management of Edge Locations
- ☒ B. Encryption of data in transit
- ☒ C. User access management
- D. Data center network connectivity
- ☒ E. Encryption of data at rest

Question 23

Which disaster recovery approach would result in the lowest cost?

- ☒ A. Backup and Restore
- ☐ B. Warm Standby
- ☐ C. Multi-site
- ☐ D. Pilot Light

Question 24

How will implementing elasticity in your cloud application reduce your TCO over implementing it in your traditional data center?

- A. Increasing compute capability
- B. Increasing unused capacity
- ☒ C. Reducing unused capacity
- D. Increasing speed of data transfer

Question 25

Which fully managed AWS service uses machine learning to both detect and protect your data that is stored in AWS?

- A. AWS CloudFormation
- B. AWS GuardDuty
- C. Network Access Control Lists (ACL's)
- ☒ D. Amazon Macie

Question 26

You are looking to move a new web application into the cloud. Your organization has asked for a cost estimate on this application. What tool could you use to estimate costs for this new cloud workload?

- A. AWS Cost Explorer
- B. AWS Trusted Advisor
- ☒ C. AWS Pricing Calculator or Simple Monthly Calculator
- D. Cost and Usage Reports (CUR)

Question 27

Which of the following services is a highly-available managed domain name system (DNS) service?

- A. Amazon Domain Name Service
- ☒ B. Amazon Route 53
- C. AWS Elastic Beanstalk
- D. AWS Elastic Routing

Question 28

Your organization is working on an incident management and investigation policy now that they have moved a pilot application onto the cloud with AWS. Which pillar of the AWS Well-Architected Framework recommends the creation of this policy?



- A. Performance Efficiency
- B. Security
- C. Reliability
- D. Cost Optimization

Question 29

According to the concept of least privilege access, what should you setup when adding permissions for an IAM user?

- A. Grant a user admin permissions on a separate AWS account that is a part of your AWS Organization
- B. Grant the user permissions to access all services in the environment
- ☒ C. Grant the user has permissions for only the items needed by that user to perform a task
- D. Grant the user permissions for what they will need along with commonly used services to avoid repeated modification to policies

Question 30

You are looking to launch a static website with minimal configuration. Which of the following AWS services provides this feature?

- A. Amazon CloudWatch
- B. Amazon Redshift
- C. AWS CodeDeploy
- ☒ D. Amazon S3

Questions 31-40

Question 31

Which online tool provides guidance in following AWS best practices by providing personalized recommendations for your cloud workloads?

- ☒ A. AWS Trusted Advisor
- ☐ B. AWS Personal Health Dashboard
- ☐ C. AWS Well-Architected Framework
- ☐ D. Amazon CloudWatch

Question 32

Your organization is looking to review best practices for AWS prior to implementing their first cloud application. What resource would best meet this need?

- A. AWS Trusted Advisor
- B. AWS CloudFormation
- ☒ C. AWS Well-Architected Framework
- D. AWS Marketplace

Question 33

What is the minimum AWS support plan that provides the complete set of AWS Trusted Advisor checks?

- A. Developer
- ☒ B. Business
- C. Enterprise
- D. Basic

Question 34

Which AWS service enables you to protect your web application by using a rule-based system to detect traffic and actions that should be blocked?

- A. Amazon CloudWatch
- B. Amazon Macie
- ☒ C. AWS Web Application Firewall (WAF)
- D. AWS GuardDuty

Question 35

Your US-based team wants to expand an internal application to your office in Singapore. They are able to take the application and spin up a version in the *ap-southeast-1* region. Which benefit of cloud computing is best illustrated with this scenario?

- A. Stop guessing capacity
- ☒ B. Go global in minutes
- C. Stop spending money running and maintaining data centers
- D. Trade capital expense for variable expense

Question 36

Within the Shared Responsibility Model, what area would be the responsibility of the customer?

- A. Patching data center network routers
- B. Patching the OS for RDS instances
- C. Data center security
- ☒ D. Patching the OS on EC2 instances

Question 37

What will IAM users use to authenticate themselves when using the AWS CLI?

- A. Group credentials
- ☒ B. Access keys per IAM user
- C. Username and password
- D. Access keys for the root user

Question 38

What AWS service enables auditing of your AWS account by logging actions taken on your AWS resources?

- A. AWS CloudHSM
- B. AWS CloudFormation
- C. AWS GuardDuty
- ☒ D. AWS CloudTrail

Question 39

How can you configure the same permissions for multiple IAM users?

- A. Have multiple users leverage the same IAM user to reduce maintenance
- ☒ B. Create an IAM group, assign permissions to the group, and add IAM users to the group
- C. Create an IAM role, assign permissions to the role
- D. Copy and paste the same policy JSON to a unique policy for each user

Question 40

Which AWS service enables you to use your own keys to encrypt data on AWS using a hardware security module (HSM)?

- A. AWS Key Management Service (KMS)
- ☒ B. AWS CloudHSM
- C. AWS Identity and Access Management (IAM)
- D. Amazon Macie

Questions 41-50

Question 41

Your organization is adopting a hybrid approach for storage and wants to leverage the cloud as a backup while having low latency access to data on its local network. Which AWS service could be leveraged for this?

- ☒ A. AWS Storage Gateway
- ☐ B. Amazon Elastic Block Store (EBS)
- ☐ C. Amazon S3 Glacier
- ☐ D. Amazon S3

Question 42

Which service provides an in-memory data store that supports both Redis and Memcached?

- ☒ A. Amazon ElastiCache
- ☐ B. Amazon EFS
- ☐ C. Amazon RDS
- ☐ D. Amazon DynamoDB

Question 43

When deploying an application across multiple availability zones, which design concept are you implementing?

- A. Elasticity
- B. Agility
- ☒ C. Design for failure
- D. Cost Optimization

Question 44

Which AWS concept is the definition of the information required to launch an EC2 instance including the contents of the root volume, launch permissions, and block device mapping?

- ☒ A. Amazon Machine Image (AMI)
- ☐ B. Amazon Elastic Block Store (EBS)
- ☐ C. Amazon Elastic Filesystem (EFS)
- ☐ D. Amazon EC2 Instance Image (EII)

Question 45

Your organization is looking to test a new web application concept. The team setup an AWS account and infrastructure within a day on which they will build a prototype for this application. Which cloud computing benefit does this illustrate?

- A. Go global in minutes
- B. Stop guessing capacity
- ☒ C. Increase speed and agility
- D. Hybrid cloud

Question 46

Which element of the AWS Global Infrastructure is made up of one or more data centers connected by a low latency network with redundant power, networking, and connectivity within an AWS Region?

- A. Edge Location
- B. Regional Edge Cache
- C. Point of Presence
- ☒ D. Availability Zone

Question 47

How can you improve the security of your IAM user account?

- A. Setup Amazon Shield for your account
- B. Implement AWS VPN when using the AWS Console
- ☒ C. Enable multi-factor authentication
- D. Setup Amazon Macie for your account

Question 48

Your company is looking to perform batch data analysis using an EC2 instance. There is a flexible start and stop time for this workload, and it can stop and restart as needed. What would be the most cost effective EC2 pricing model given these requirements?

- ☒ A. Spot Instance
- ☐ B. On-Demand Instance
- ☐ C. Dedicated Host
- ☐ D. Reserved Instance

Question 49

What tool would you leverage to make a case within your organization for moving to the cloud from a traditional data center?

- ☒ A. TCO Calculator
- ☐ B. Cost and Usage Reports (CUR)
- ☐ C. AWS Pricing Calculator or Simple Monthly Calculator
- ☐ D. AWS Cost Explorer

Question 50

When you deploy your application across multiple AWS availability zones, which architectural principle are you implementing?

- A. Loose coupling
- B. Cross-region reliability
- C. Tight coupling
- ☒ D. High availability

Questions 51-60

Question 51

Your company needs to launch a MySQL database in the cloud for a web application. They will need to have access to the underlying operating system to install OS-level optimizations. What solution would meet these requirements?

- A. Utilize DynamoDB
- B. Utilize Amazon Aurora on Amazon RDS
- ☒ C. Utilize MySQL on Amazon EC2
- D. Utilize Amazon SimpleDB

Question 52

Your company is migrating to the cloud. You have multiple licenses for server software that is licensed per server. Which EC2 pricing model should you choose for the instances when you launch them in AWS?

- A. Consolidated Instance
- ☒ B. Dedicated Host
- C. Spot Instance
- D. Reserved Instance

Question 53

Which tool enables you to visualize current AWS costs and predict future costs based on current usage?

- A. AWS Pricing Calculator
- B. AWS Trusted Advisor
- C. Cost and Usage Reports (CUR)
- ☒ D. AWS Cost Explorer

Question 54

Which AWS service would enable you to share reserved instances across multiple accounts that your company manages?

- ☒ A. AWS Organizations
- B. Amazon CloudWatch
- C. AWS CloudFormation
- D. AWS Direct Connect

Question 55

You want to have email support within business hours from AWS for an application you are building. What is the minimum support plan that provides this?

- A. Basic
- B. Enterprise
- C. Business
- ☒ D. Developer

Question 56

Which service provides a highly-available and elastic NFS file system for both cloud-based and on-premise servers?

- A. Amazon S3 Glacier
- B. Amazon S3
- ☒ C. Amazon Elastic File System (EFS)
- D. Amazon Elastic Block Store (EBS)

Question 57

If you wanted to engage AWS resources for a paid engagement to assist in a cloud migration, which team would you leverage?

- ☒ A. AWS Professional Services
- ☐ B. AWS Marketplace
- ☐ C. AWS Service Gateway
- ☐ D. AWS Partner Network Consulting Partners

Question 58

Your company is moving their data storage from their data center into the cloud. They are evaluating different approaches for data warehousing. What AWS service provides a managed data warehousing solution that supports columnar storage up to a petabyte scale?

- A. AWS Database Migration Service
- B. Amazon DynamoDB
- C. Amazon SimpleDB
-  D. Amazon Redshift

Question 59

Within the Shared Responsibility Model, what responsibility is shared by both the customer and AWS?

- A. Customer Data
- B. Data Center Physical Security
- ☒ C. Configuration Management
- D. Edge Location Management

Question 60

Which of the following is an economic benefit of migrating to the cloud?

- A. Eliminating Operational Expenditures (opex)
- B. Increased Capitalized Expenditures (capex)
- C. Increased Operational Expenditures (opex)
- ☒ D. Reduced Total Cost of Ownership (TCO)

Questions 61-65


Question 61

Which AWS service provides the ability to assess and audit configuration of the AWS resources you have deployed in your account?

- A. Amazon CloudWatch
- ☒ B. AWS Config
- C. AWS Identity and Access Management (IAM)
- D. AWS GuardDuty

Question 62

Your company has deployed a new web application across multiple availability zones for high availability. What pillar of the Well-Architected Framework recommends this approach?

- A. Operational Excellence
- B. Fault Tolerance
-  C. Reliability
- D. Cost Optimizations

Question 63

Which of the following services could assist in migrating your data from your on-premise data center into AWS?

- A. AWS CloudFormation
- B. Amazon CloudWatch
- ☒ C. AWS Snowball
- D. AWS Cloud Migrate

Question 64

When your team moved an application into the cloud, they implemented elasticity so that the application could scale to meet the current user demand. Which cloud computing benefit is best illustrated with this scenario?

- A. Stop spending money running and maintaining data centers
- B. Go global in minutes
- C. Trade capital expense for variable expense
- ☒ D. Stop guessing capacity

Question 65

Your organization is looking to leverage both their traditional data center and the public cloud. What type of cloud architecture does this describe?

- A. Isolated cloud
- B. Private cloud
- C. Public cloud
- ☒ D. Hybrid cloud

Evaluating Results

Up Next:
Reviewing Exam Prep B

AWS Cloud Practitioner Practice Exam Questions

You have infrequently accessed data in S3 buckets that you want to transfer to Glacier. What can you use in AWS to do this?

☐

Bucket Policy

☐

S3 Lifecycle Policy

☐

Cross Origin Resource Sharing (CORS)

☐

Database Migration Service

Answer:- B

Your company utilizes DNS and wants to migrate DNS and management of DNS to the cloud. Which AWS service would you use?

☐

Application Load Balancers

☐

Route 53

☐

CloudFormation

☐

CloudFront

Answer:- B

You have two software systems that need to communicate, and you also need to ensure that messages are not lost between them. Which AWS service can help meet these requirements?

☐

CloudWatch

☐

SQS

☐

SES

☐

SNS

Answer:- B

You have been tasked with going into the AWS company account and getting information on saving money, improving system performance and reliability, and closing security gaps. Which tool can you use to get this information?

☐

CloudWatch

☐

AWS Cost and Usage Report

☐

AWS Inspector

☐

AWS Trusted Advisor

Answer:- D

Which statement is true regarding the AWS Global Infrastructure?

☐

Edge Locations contain Regions

☐

Each AWS Region consists of multiple, isolated, and physically separate AZ's within a geographic area.

☐

Availability Zones contain Edge Locations

☐

Each AWS Availability Zone contains multiple regions.

Answer:- B

In Identity and Access Management, which term applies to a person or application that uses the AWS account root user, an IAM user, or an IAM role to sign in and make requests to AWS?

☐

Resource

☐

Principal

☐

Identity

☐

Entity

Answer:- B

A company needs to use a Load Balancer which can serve traffic at the TCP, and UDP layers. Additionally, it needs to handle millions of requests per second at very low latencies. Which Load Balancer should they use?

☐

Network Load Balancer

☐

Classic Load Balancer

☐

Application Load Balancer

☐

TCP Load Balancer

Answer:- A

You need to visualize, understand, identify trends for future charges, and manage your AWS costs and usage over time. Which AWS tool would you use?

☐

AWS Cost and Usage Report

☐

Trusted Advisor

☐

AWS Cost Explorer

☐

Amazon CloudWatch

Answer:- C

After experiencing unusual behavior in your AWS account, you need to determine if there are any issues with AWS that may be affecting your account. What section of the AWS portal helps you to inspect account alerts and find remediation guidance for your account?

☐

AWS Personal Health Dashboard

☐

AWS SNS

☐

AWS CloudWatch

☐

AWS Service Health Dashboard

Answer:- A

A software development team has requested IAM access to be able to work with AWS from the CLI. What will you provide these developers?

☐

Access Keys

☐

Root user credentials

☐

Security Token

☐

Username and password

Answer:- A

What AWS service lets you provision a logically isolated section of the AWS Cloud?

☐

Elastic Network Interface

☐

Amazon Route 53

☐

Amazon RDS

☐

Amazon Virtual Private Cloud

Answer:- D

Configuring user permissions so that users can access only the resources they need to do their job follows what principle?

☐

Principle of Minimum Permissions

☐

Principle of Least Privilege

☐

Principle of Organizations

☐

IAM Principle

Answer:- B

A financial company needs to migrate large amounts of data, at a petabyte-scale, to AWS. Which AWS service can perform this type of migration?

☐

AWS Snowball

☐

API Gateway

☐

Database Migration Service

☐

AWS Data Pipeline

Answer:- A

A colleague tells you about a service that uses machine learning to discover and protect sensitive data stored in S3 Buckets. Which AWS service does this?

☐

Cognito

☐

Inspector

☐

Macie

☐

Rekognition

Answer:- C

A small startup is configuring its AWS cloud environment. Which AWS service will allow grouping these users together and applying permissions to them as a group?

☐

Resource Groups

☐

AWS IAM

☐

Tagging

☐

AWS Organizations

Answer:- B

A company is configuring IAM for its new AWS account. There are 5 departments with between 5 to 10 users in each department. How can they efficiently apply access permissions for each of these departments and simplify management of these users?

☐

Create an IAM group for each department. Add the department's members to the group.

☐

Create an IAM role defining the permissions needed. Create an IAM group and attach the policy to the group. Add the department's members to the group.

☐

Create policies for each department that define the permissions needed. Create an IAM group for each department and attach the policy to each group. Add each department's members to their respective IAM group.

☐

Create a policies defining the permissions needed. Attach the policies to all users in each department.

Answer:- C

You are trying out AWS on a trial basis and need to deploy an application without having to configure servers. Which AWS service can you use?

☐

Auto Scaling

☐

Elastic Beanstalk

☐

CloudFormation

☐

ECS

Answer:- B

The CTO of a software company had requested an Executive Summary detailing the advantages of a potential move to the AWS Cloud. What can you say is an advantage of an RDS database over a traditional database?

☐

AWS maintains the underlying OS and performs software patching on the database.

☐

There is much greater access for DBAs.

☐

It is much easier to convert to a NoSQL database.

☐

It is 5 times faster than traditional databases.

Answer:- A

You have a MySQL database that you want to migrate to the cloud, and you need it to be significantly faster there. You are looking for a speed increase up to 5 times the current performance. Which AWS offering could you use?

☐

Elasticache

☐

DynamoDB

☐

Amazon RDS MySQL

☐

Amazon Aurora

Answer:- D

You need to stream data in real-time for a dashboard application. Which AWS service would you use?

☐

AWS CloudTrail

☐

AWS Kinesis

☐

AWS CloudWatch

☐

Amazon RedShift

Answer:- B

Your company hosts gaming applications online and would like to deliver these apps to a worldwide audience. Which AWS Service would enable delivery to users worldwide and greatly improve response times?

☐

DynamoDB

☐

CloudFormation

☐

CloudFront

☐

Elasticache

Answer:- C

Your team needs to begin monitoring the applications running in your AWS account.
Which AWS service can you use?

☐

Amazon Cloudtrail

☐

AWS Config

☐

Amazon CloudWatch

☐

AWS App Monitoring

Answer:- C

Which AWS service would enable you to view the spending distribution in one of your
AWS accounts?

☐

AWS Organizations

☐

Billing Advisor

☐

AWS Cost Explorer

☐

AWS Spending Explorer

Answer:- C

You are managing the company's AWS account. The current support plan is Basic, but you would like to begin using Infrastructure Event Management. What support plan (that already includes Infrastructure Event Management without an additional fee) should you upgrade to?

☐

Upgrade to Developer plan.

☐

Upgrade to the Business plan. No other steps are necessary.

☐

Upgrade to Enterprise plan.

☐

Do nothing. It is included in the Basic plan.

Answer:- C

Which AWS service can provide a Desktop as a Service (DaaS) solution?

☐

AWS Systems Manager

☐

Amazon WorkSpaces

☐

Elastic Beanstalk

☐

EC2

Answer:- B

Which AWS service can help you optimize your AWS environment by giving recommendations to reduce cost, increase performance, and improve security?

☐

AWS Trusted Advisor

☐

AWS Inspector

☐

AWS Optimizations

☐

AWS CloudWatch

Answer:- A

A new application needs temporary access to resources in AWS. How can this best be achieved?

☐

Create an IAM Policy and attach it to the application.

☐

Store access key in an S3 Bucket and give the application access to the bucket.

☐

Add the application to a group that has the appropriate permissions.

☐

Create an IAM Role and have the application assume the role.

Answer:- D

A software company is looking for a tool to automate their deployments from end to end. Which AWS service can provide this continuous delivery functionality?

☐

CodeBuild

☐

CodeCommit

☐

CodeDeploy

☐

CodePipeline

Answer:- D

You would like to set up a loosely coupled architecture. Which service would allow you to send and receive messages, but most importantly, store messages if they are not consumed immediately?

☐

AWS SES

☐

AWS CloudSearch

☐

AWS SQS

☐

AWS S3

Answer:- C

Which statement below is one of the 6 advantages of cloud computing?

☐

Benefit from minor economies of scale.

☐

Trade variable expense for capital expense.

☐

Benefit from increased speed and agility.

☐

Easily guess capacity.

Answer:- C

In AWS Global Infrastructure, which component has one or more discrete data centers with redundant power, networking, and connectivity?

☐

Route 53

☐

VPC

☐

Availability Zone

☐

Placement Group

Answer:- C

Which AWS service allows the deployment of resources in code templates, otherwise known as infrastructure as code?

☐

Elastic Beanstalk

☐

OpsWorks

☐

CloudFormation

☐

Systems Manager

Answer:- C

A large company is using multiple AWS accounts and would like to benefit from available volume discounts in AWS. Which AWS feature will enable the company to get volume discounts?

☐

Use AWS Organizations and its consolidated billing feature to consolidate billing and payment for multiple AWS accounts.

☐

Contact AWS to request volume discounts.

☐

Upgrade to an Enterprise Support Plan.

☐

Use free tier as much as possible.

Answer:- A

What is the most cost effective AWS Support Plan if you want the full set of Trusted Advisor checks?

☐

Basic

☐

Enterprise

☐

Business

☐

Developer

Answer:- C

You have recently started using AWS and now need to launch a large number of instances in your VPC. You learn that this number exceeds the service limits for instances in a VPC. What can you do?

☐

Use Auto Scaling and the service limit can be exceeded.

☐

Contact AWS and request a service limit increase.

☐

Upgrade your support plan to increase this service limit.

☐

There is nothing that can be done. Redesign based on a smaller number of instances.

Answer:- B

A fantasy sports company needs to run an application for the length of a football season (5 months). They will run the application on an EC2 instance and there can be no interruption. Which purchasing option best suits this use case?

☐

Spot

☐

On-Demand

☐

Reserved

☐

Dedicated

Answer:- B

As an AWS account administrator, you are in charge of creating AWS accounts and securing those accounts. What steps can you take?

(Choose 2)

☐

Store the root account credentials in sharepoint.



Create multi-factor authentication for the root account.



Grant admin access to all users.



Add IP restrictions for all accounts



Create functional groups for each department and use a common password for each group.

Answer:- B, D

Developers in your company need to interact with AWS from the Command Line Interface. Which security item will you need to provide to the developers?



Login ID



Root password



Security Token



Access Key

Answer:- D

A new application rolled out by the development team is going to require load balancing of HTTP and HTTPS traffic. Which Load Balancer is best suited for this type of traffic?



Network Load Balancer



Application Load Balancer



Classic Load Balancer



HTTP Load Balancer

Answer:- B

You are concerned about access to your top-secret application by stolen passwords. What additional layer of security can you add for logging in to AWS Management Console, in addition to user passwords?

☐

AWS Transcribe

☐

AWS Voice Recognition

☐

Secret Access Keys

☐

Multi-Factor Authentication

Answer:- D

During Disaster Recovery exercises, you need to re-route traffic from EC2 instances to instances in another region. With which service can you do this?

☐

CloudFront

☐

Route 53

☐

VPC Peering

☐

AWS Auto Scaling

Answer:- B

A company wants to deploy applications entirely on a serverless platform. Which AWS service can they use to build their applications without worrying about managing servers?

☐

ElastiCache

☐

AWS Lambda

☐

CloudFormation

☐

EC2

Answer:- B

A retail company has EC2 On-Demand instances running to serve customer transactions. There is a set pattern of traffic where demand is high at two points in the day, but the instances sit idle for much of the day. What is a good way to optimize these resources?

☐

Use an Elastic Load Balancer to scale out and in based on demand.

☐

Use reserved instances instead of on-demand instances.

☐

Write a script to stop instances when demand is low.

☐

Use an Auto Scaling Group to scale out and in based on demand.

Answer:- D

Which of the following is an AWS Global Service?

☐

Amazon RDS

☐

IAM

☐

VPC

☐

EC2

Answer:- B

Which policy will provide information on performing penetration testing on your EC2 instances?

☐

IAM Policy

☐

JSON Policy

☐

AWS Customer Agreement

☐

Customer Service Policy for Penetration Testing

Answer:- D

A new web application is getting much more traffic than expected. You decide to add another EC2 instance to share the load. Which AWS principle does this represent?

☐

Elasticity

☐

Vertical Scaling

☐

Horizontal Scaling

☐

Durability

Answer:- C

You are reviewing the AWS Shared Responsibility model to present an overview to management on what your company is responsible for in AWS. Which option is a customer responsibility?

☐

Edge Locations

☐

Customer Data

☐

Networking

☐

Availability Zones

Answer:- B

A company is contemplating a move to the AWS Cloud. What benefits can be gained from such a move?

☐

There is no need to patch guest operating systems.

☐

All encryption is handled by AWS.

☐

The worry of long term cost is eliminated.

☐

The company can focus on its business rather than managing a data center.

Answer:- D

Which term refers to the Identity and Access Management (IAM) resource objects that AWS uses for authentication?

☐

Entities

☐

Resources

☐

Principal

☐

Identities

Answer:- A

Several EC2 instances in what will be a public subnet need internet access. Which will you configure as one of the steps in granting internet access?

☐

NAT Gateway

☐

API Gateway

☐

VPC Peering

☐

Internet Gateway

Answer:- D

You are working with IAM and need to attach policies to users, groups, and roles. Which will you be attaching these policies to?

☐

Principals

☐

Entities

☐

Identities

☐

Resources

Answer:- C

Users need to access AWS resources from the command-line interface. Which IAM option can be used for authentication?

☐

IAM Role

☐

Access Keys

☐

IAM Group

☐

IAM Policy

Answer:- B

A small company wants to deploy a new system in the AWS cloud but does not have anyone with the required AWS skill set to perform the deployment. Which AWS service can help with this?

☐

AWS CloudFormation

☐

AWS Partner Network (APN) Consulting Partners

☐

Trusted Advisor

☐

AWS Partner Network (APN) Technology Partners

Answer:- B

A small software company is starting to work with the AWS Cloud. Which service will allow them to find, test, buy, and deploy software that runs on AWS?

☐

CloudSearch

☐

Elastic Beanstalk

☐

AWS Marketplace

☐

Service Catalog

Answer:- C

Which AWS service provides central governance and management across multiple AWS accounts?

☐

AWS Systems Manager

☐

Identity and Access Management

☐

CloudFormation

☐

AWS Organizations

Answer:- D

A company has a large number of S3 buckets and needs to manage and automate tasks on these buckets at one time. Which AWS feature can do this?

☐

Resource Groups

☐

IAM Groups

☐

IAM

☐

Tagging

Answer:- A

Upon venturing into using the AWS Cloud, your company decides to follow the 5 pillars of the AWS Well Architected Framework. Which items are pillars of the Well Architected Framework?

(Choose 2)

☐

Scalability

☐

Operational Excellence

☐

Ease of Use

☐

Reliability

☐

Elasticity

Answer:- B, D

A company has signed a 3-year contract with a School District to develop a Teacher Absence Management application. Which type of EC2 instance would be best for application development on this project?

☐

On-Demand Instances

☐

Spot Instances

☐

Scheduled Reserved Instances

☐

Standard Reserved Instances

Answer:- D

Your company is migrating its services to the AWS cloud. The DevOps team has heard about infrastructure as code, and wants to investigate this concept. Which AWS service would they investigate?

☐

CodeCommit

☐

AWS CloudFormation

☐

AWS Lambda

☐

Elastic Beanstalk

Answer:- B

You need to purchase reserved instances for a 3-year project. But a company initiative may change all the company compute operating systems from Windows to Linux midway through this project. What type of reserved instance should you purchase?

☐

Automatic

☐

Convertible

☐

Standard

☐

Zonal

Answer:- B

You need to set up a virtual firewall for your EC2 instance. Which would you use?

☐

Subnet

☐

Network ACL

☐

IAM Policy

☐

Security Group

Answer:- D

Which is a core design principle for deploying resources in AWS?

☐

Estimate your S3 storage needs up front.

☐

Use a tight coupling of your resources and applications.

☐

Plan ahead for hardware capacity.

☐

Deploy in Multiple Availability Zones.

Answer:- D

You have been tasked to create an S3 bucket for storing templates. A team member has forwarded you the templates, which are used for creating multiple different AWS resources such as S3 buckets, EC2 instances, and VPCs. Which service uses these templates to create AWS resources?

☐

CloudFormation

☐

OpsWorks

☐

Elastic Beanstalk

☐

EC2

Answer:- A

A company is migrating to the AWS Cloud. They need to set up DNS in the cloud. Which service is a highly available and scalable cloud DNS service in AWS?

☐

Amazon VPC

☐

CloudFront

☐

Amazon Macie

☐

Route 53

Answer:- D

A company has multiple AWS accounts across multiple regions. Which AWS service can be used to manage these accounts and provide consolidated billing?

☐

AWS Organizations

☐

Trusted Advisor

☐

CloudFormation

☐

Identity and Access Management

Answer:- A

Cloud Concepts And Technology Quiz

Which of the following best describes EBS?

☐

A managed database service

☐

A bitcoin-mining service

☐

A virtual hard-disk in the cloud

☐

A NoSQL database service

Answer:- C

Which of the below does S3 Transfer Acceleration use to get your data into AWS quicker?

☐

Edge Locations

☐

Availability Zones

☐

VPCs

☐

AWS Regions

Answer:- A

Which of the following are types of cloud computing deployments?

Choose 3

☐

Mixed cloud

☐

Public cloud

☐

Hybrid cloud

☐

Private cloud

Answer:- B, C, D

IAM policies are written using ____.

☐

XML

☐

SAML

☐

JSON

☐

SGML

Answer:- C

True or False: A distribution is a link between an origin server and a domain name, which CloudFront uses to identify the object you have stored in your origin server.

☐

False

☐

True

Answer:- True

True or False: As a general rule, AWS recommends that you use S3 access control lists (ACLs) for access control.

☐

True

☐

False

Answer:- False

Which of the following best describes Availability Zones?

☐

Two zones containing compute resources that are designed to automatically maintain synchronized copies of each other's data.

☐

Restricted areas designed specifically for the creation of Virtual Private Clouds.

☐

An Availability Zone (AZ) is one or more discrete data centers with redundant power, networking, and connectivity in an AWS Region.

☐

A Content Delivery Network used to deliver content to users.

Answer:- C

True or False: Both you and a friend can have an S3 bucket called 'mytestbucket'.

☐

True

☐

False

Answer:- False

True or False: A CloudFront Origin can be an S3 bucket, an EC2 instance, an Elastic Load Balancer, or an AWS Elemental MediaPackage endpoint.

☐

True

☐

False

Answer:- True

True or False: There are more AWS Regions than there are Availability Zones.

☐

False

☐

True

Answer:- False

Which of the following are valid access types for an IAM user?

Choose 3

☐

Security Group access via the AWS command line

☐

Emergency access via Identity Access Management (IAM)

☐

Using the AWS Software Developers Kit

☐

Programmatic access via the command line

☐

AWS Management Console access

Answer:- C, D, E

Regions, Availability Zones and Edge Locations are important components of the AWS Global Cloud Infrastructure. Which of the following shows the correct order of Regions, Availability Zones and Edge Locations, listed from greatest number to least number of occurrences?

☐

Number of Availability Zones is greater than the Number of Regions. The Number of Regions is greater than the Number of Edge Locations

☐

Number of Edge Locations is greater than the Number of Availability Zones. The number of Availability Zones are greater than the Number of Regions

☐

Number of Availability Zones is greater than the Number of Edge Locations. The Number of Edge locations is greater than the Number of Regions

☐

Number of Regions is greater than the Number of Availability Zones. The Number of Availability Zones is greater than Number of Edge Locations

Answer:- B

Which of the following are characteristics of cloud computing?

Choose 3

☐

Services are delivered over the Internet.

☐

Pay-as-you-go pricing

☐

On-demand delivery

☐

Cloud charges are capital expenditures.

Answer:- A, B, C

True or False: Identity Access Management (IAM) is a Regional service.

☐

True

☐

False

Answer:- False

True or False: S3 is object storage suitable for the storage of 'flat' files like Word documents, photos, etc.

☐

False

☐

True

Answer:- True

Which of the following AWS Support levels offers the assistance of a Technical Account Manager?

☐

Elite

☐

Business

☐

Developer



Enterprise

Answer:- D

Which of the following EC2 options is best for long-term workloads with predictable usage patterns?



Reserved instances



Spot instances



On-Demand instances



Dedicated Host

Answer:- A

True or False: Objects stored in S3 are stored in a single, central location within AWS.



True



False

Answer:- False

Which of the following are advantages of cloud computing?

Choose 4



The ability to 'go global' in minutes



Increased speed and agility



The capital expenditure (CapEx) funding model



Variable expense



Elasticity - you need not worry about capacity.

Answer:- A, B, D, E

True or False: S3 can be used to host a dynamic website, like one that runs on a LAMP stack.



False



True

Answer:- False

True or False: Access Control Lists can be used to make entire buckets (like one hosting an S3 website) public.



False



True

Answer:- True

Which of the following Route 53 policies allow you to a) route data to a second resource if the first is unhealthy, and b) route data to resources that have better performance?



Geoproximity Routing and Geolocation Routing



Failover Routing and Latency-based Routing



Geolocation Routing and Latency-based Routing



Failover Routing and Simple Routing

Answer:- B

There are at least ____ Availability Zones per AWS Region.

- ☐ 2
- ☐ 4
- ☐ 5
- ☐ 3

Answer:- A

Which of the following is the JSON document used to grant permissions to users, groups, and roles?

- ☐ Passbook
- ☐ Policy
- ☐ Protocol
- ☐ Paradigm

Answer:- B

Which of the following are steps you should take in securing your AWS account?

Choose 3

- ☐ Create individual IAM users.
- ☐ Use Groups to assign permissions to IAM users.
- ☐ Activate Multifactor Authentication (MFA) on your root account.
- ☐ Use your AWS account root user access keys

Answer:- A, B, C

Which of the following best describes an AWS Region?



A collection of databases that can only be accessed from a specific geographic region.



A console that gives you a quick, global picture of your cloud computing environment.



A physical location with multiple, isolated, and physically separate AZ's within a geographic area.



A collection of data centers that is spread evenly around a specific continent.

Answer:- C

Amazon Lightsail is an example of which of the following?



Platform as a Service



Functions as a Service



Infrastructure as a Service



Software as a Service

Answer:- A

Which of the following AWS Support levels offers 24x7 technical support via phone or chat?



Business



Basic



Developer



Individual

Answer:- A

Which of the following are Support Levels offered by AWS?

Choose 3

☐

Individual

☐

Business

☐

Basic

☐

Developer

☐

Start-up

Answer:- B, C, D

Which of the following data archival services is extremely inexpensive and has configurable retrieval times, from minutes to hours?

☐

S3 One Zone-IA

☐

Amazon S3 Reduced Redundancy Storage (RRS)

☐

S3 Standard

☐

S3 Glacier

☐

S3 Standard-IA

Answer:- D

In which of the following is CloudFront content cached?

☐

Availability Zone

☐

Edge Location

☐

Region

☐

Data Center

Answer:- B

Billing & Pricing Quiz

Which of the following components are billed for Amazon RDS instances?

Choose 3

☐

Data transfer incurred in replicating data between your primary and standby, in a Multi-AZ DB instance deployment

☐

Storage

☐

I/O requests for Amazon RDS magnetic storage

☐

Standby time

☐

DB instance hours

Answer:- B, C, E

Which of the following is not a fundamental AWS charge?

☐

Storage

☐

Data-out

☐

Compute

☐

Data-in

Answer:- D

Which of the following support plans features a < 4-hour response time in the event of an impaired production system?

☐

Developer

☐

Business



Individual



Basic

Answer:- B

Which of the following EC2 instance types will realize a savings over time in exchange for a contracted term-of-service?



Reserved instances



On-demand instances



Discount instances



Spot instances

Check answer

Answer:- A

Which of the following are valid EC2 pricing options?

Choose 2



On-Demand



Reserved



Stop



Enterprise

Answer:- A, B

True or False: With Consolidated Billing, the Paying Account can make changes to any of the resources owned by a Linked Account.



False



True

Answer:- False

Choose the features of Consolidated Billing.

Choose 3



Account charges can be tracked individually.



A single bill is issued containing the charges for all AWS Accounts



Charging is based per VPC



Multiple standalone accounts are combined and may reduce your overall bill

Answer:- A, B, D

Which of the following AWS services are free to use?

Choose 5



Elastic Beanstalk



EC2



IAM



Route53



S3



EBS



CloudFormation



RDS



Auto-Scaling



VPC

Answer:- A, C, G, I, J

Which two of the following options best describe a Resource Group?

Choose 2



A resource group is a collection of resources of the same type (EC2, S3, etc.) that are deployed in the same Availability Zone.



A resource group is a collection of resources that share one or more tags.



A resource group is a collection of resources that are deployed in the same AWS Region, and that match the criteria specified in the group's query.



A resource group is a collection of resources of the same type (EC2, S3, etc.) that share one or more tags or portions of tags.

Answer:- B, C

Which of the following AWS Support Plans provide Enhanced Technical Support ONLY during business hours via email?



Enterprise



Basic



Developer



Business

Answer:- C

Security In The Cloud Quiz

True or False: The Standard version of AWS Shield offers automated application (layer 7) traffic monitoring.

☐

True

☐

False

Answer:- False

Which of the following services will help you optimize your entire AWS environment in real time following AWS best practices?

☐

AWS Shield

☐

AWS Trusted Advisor

☐

AWS WAF

☐

AWS Inspector

Answer:- B

The AWS Web Application Firewall can operate up to what layer of the OSI model?

☐

6

☐

5

☐

7

☐

4

Answer:- C

Which of the following AWS services can help you assess the fault-tolerance of your AWS environment?



AWS Trusted Advisor



AWS WAF



AWS Inspector



AWS Shield

Answer:- A

True or False: It's safer to use Access Keys than it is to use IAM roles.



False



True

Answer:- A

You need to use an AWS service to assess the security and compliance of your EC2 instances. Which of the following services should you use?



AWS Trusted Advisor



AWS Inspector



AWS Shield



AWS WAF

Answer:- B

Which of the following Compliance certifications attests to the security of the AWS platform regarding credit card transactions?



PCI DSS Level 1



SOC 1



ISO 27001



SOC 2

Answer:- A

Which of the following Compliance guarantees attests to the fact that the AWS Platform has met the standard required for the secure storage of medical records in the US?



FERPA



HIPAA



HITECH



PCI DSS



GLBA

Answer:- B

True or False: Security in the cloud is the responsibility of AWS.



True



False

Answer:- False

Which of the following is AWS' managed DDoS protection service?



AWS Shield



AWS WAF



Security Groups



Access Control Lists

Answer:- A

Mega Quiz

Which AWS service allows you to run code without having to worry about provisioning any underlying resources (such as virtual machines, databases etc.)

☐

EC2

☐

EC2 Container Service

☒

Lambda

☐

DynamoDB

Answer:- C

True or false: With AWS Organizations, there are two available feature sets. You may choose to use the consolidated billing features only, or use all of the available features.

☐

False

☒

True

Answer:- True

Which of the following AWS services should you use if you'd like to be notified when you have crossed a billing threshold?

Choose 2

☐

AWS Budgets

☐

Trusted Advisor

☐

AWS Cost and Usage Reports

☐

CloudWatch

Answer:- A, D

Under the Shared Responsibility model, for which of the following does AWS not assume responsibility?

☐

Physical security of AWS facilities

☐

Networking

☐

Hypervisors

☐

Security group configurations

Answer:- D

You need to host a file in a location that's publicly accessible from anywhere in the world. Which AWS service would best meet that need?

☐

S3

☐

EBS

☐

RDS

☐

EC2

Answer:- A

Which online tool can inspect your AWS environment and make recommendations for saving money, improving system performance, or closing security gaps?

☐

Service Catalog

☐

Trusted Advisor



CloudTrail



Config Rules

Answer:- B

You have a project that will require 90 hours of computing time. There is no deadline, and the work can be stopped and restarted without adverse effect. Which of the following computing options offers the most cost-effective solution?



On-demand instances



Reserved instances



ECS instances



Spot instances

Answer:- D

Your Development team uses 4 on-demand EC2 instances, while your QA team has 5 reserved instances, with 3 currently in use. All Dev and QA instances are the same type, and are launched in the same AZ. Assuming all AWS accounts are under a single AWS Organization, how will the Development team's instances be billed?



All the Dev team's instances will be billed at the on-demand rate.



The Dev team will be billed for two instances at on-demand prices and two instances at the reserved instance price.



The pricing for the reserved instances will shift from QA to Dev.



All the Dev instances will be billed at the reserved instance rate.

Answer:- B

What is an AWS region?

☐

A region is a geographical area divided into Availability Zones. Each region contains at least two Availability Zones.

☐

A region is a collection of Edge Locations available in specific countries.

☐

A region is a subset of AWS technologies. For example, the Compute region consists of EC2, ECS, Lambda, etc.

☐

A region is an independent data center, located in different countries around the globe.

Answer:- A

Which of the following is AWS' Data Warehousing service?

☐

Redshift

☐

Elastic Map Reduce

☐

S3 Big Data

☐

Snowball

Answer:- A

Which of the following support services do all accounts receive as standard?

☐

Enhanced Technical Support

☐

Billing support

☐

24/7 support via phone and chat

☐

Technical Account Manager

Answer:- B

Which of the following is not a feature of AWS Organizations?



Hierarchical based control over groups of IAM users and roles, within multiple Accounts



AWS accounts which are members of an Organization can have the benefit of Consolidated Billing



Granular configuration of Security Groups within a VPC



Grouping all of your AWS accounts into organizational Units (OUs) as part of a hierarchy

Answer:- C

Which of the following AWS services should you use to migrate an existing database to AWS?



DMS



SNS



Storage Gateway



Route 53

Answer:- A

Regions, Availability Zones and Edge Locations are important components of the AWS Global Cloud Infrastructure. Which of the following shows the correct order of Regions, Availability Zones and Edge Locations, listed from greatest number to least number of occurrences?



Availability Zones, Edge Locations, Regions



Edge Locations, Availability Zones, Regions



Availability Zones, Regions, Edge Locations



Regions, Availability Zones, Edge Locations

Answer:- B

Which AWS service is specifically designed to assist you in processing large data sets?



EMR



AWS Big Data Processing



EC2



ElastiCache

Answer:- A

Which of the following is AWS' managed database service that is up to 5X faster than a traditional MySQL database.



DynamoDB



MariaDB



PostgreSQL



Aurora

Answer:- D

Which of the following are AWS compute services?

Choose 2



Amazon Elastic Block Store (EBS)

☐

Amazon Simple Notification Service (SNS)

☐

Amazon Elastic Compute Cloud (EC2)

☐

AWS Lambda

Answer:- C, D

Which of the following AWS services can assist you with cost optimization?

☐

AWS WAF

☐

AWS Inspector

☐

AWS Shield

☐

AWS Trusted Advisor

Answer:- D

Which of the following are good cloud design principles?

Choose 4

☐

Scalability

☐

Limit the number of 3rd-party services.

☐

Assume *everything* will fail.

☐

Tightly-coupled components

☐

Disposable resources

☐

Treat your servers like pets, not cattle.

☐

Infrastructure as code

Answer:- A, C, E, G

Which AWS service acts as a file system mount on S3?

☐

Amazon Elastic File System

☐

Amazon S3

☐

Amazon Elastic Block Store

☐

File Gateway

Answer:- D

You have a mission-critical application which must be globally available at all times. Which deployment strategy should you follow?

☐

Multi-Availability Zone

☐

Multi-Region

☐

Multi-VPC in two AWS Regions

☐

Deploy to all Availability Zones in your home region.

Answer:- B

Which of the following support plans features unlimited (customer-side) contacts and unlimited support cases?

Choose 2

☐

Developer

☐

Basic

☐

Enterprise

☐

Business

Answer:- C, D