A root AWS account owner is attempting to comprehend numerous options to set the authorization to AWS S3. Identify the option which does not grant permission for S3?
Select the correct answer

A. User Access Policy

B. S3 Object Access Policy

C. S3 Bucket Access Policy

D. S3 ACL

A shopping cart application has been generated by the a system admin which was hosted on EC2. The EC2 instances operates behind ELB. The admin aspires to make sure that the end user request will invariably go to the EC2 instance where the user session has been established. Identify the means through the admin can configure this?
Select the correct answer

A. Enable ELB cross zone load balancing

B. Enable ELB cookie setup

C. Enable ELB sticky session

D. Enable ELB connection draining

A user has configured ELB with three instances. The user aspires to acquire high availability as well as redundancy with ELB. Identify the AWS services which will assist the user to achieve this for ELB?
Select the correct answer

A. Route 53

B. AWS Mechanical Turk

C. Auto Scaling

D. AWS EMR

Identify from the following the VPN connectivity options that help the user to connect the Amazon VPC to remote networks:
Select the correct answer

A. AWS Site-to-Site VPN

B. AWS Client VPN

C. AWS VPN CloudHub

D. All of the above

The user is incapable to join an instance in Amazon VPC. But he has already checked that the VPC has an Internet Gateway (IGW), the instance possesses an associated Elastic IP (EIP), and correct security group rules are in place. identify the VPC component which the user needs to evaluate next.
Select the correct answer

A. The configuration of a NAT instance

B. The configuration of the Routing Table

C. The configuration of the Internet Gateway (IGW)

D. The configuration of SRC/DST checking

A user is given the task to migrate a highly trafficked Node JS application to AWS. In order to conform to organizational standards, Chef recipes must be deployed to construct the application servers that present this application and sustain application lifecycle events. Identify the deployment option which will meet these requirements while minimizing the administrative burden.
Select the correct answer

A. Creating a new stack within Opsworks, adding the appropriate layers to the stack, and deploying the application

B. Creating a new application within Elastic Beanstalk and deploying this application to a new environment

C. Launching a Node JS server from a community AMI and manually deploying the application to the launched EC2 instance

D. Launching and configuring Chef Server on an EC2 instance and leveraging the AWS CLI to launch application servers and configuring those instances using Chef

A user is given a task to self-regulate various routine systems administrator backup and recovery activities. His ongoing plan is to grasp AWS-managed solutions to the maximum level and automate the rest with the AWS CLI and scripts. Identify which will assist the user to accomplish this task with a script.
Select the correct answer

A. Formulating daily EBS snapshots with a monthly rotation of snapshots

B. Creating daily RDS snapshots with a monthly rotation of snapshots

C. Automatically detect and stop unused or underutilized EC2 instances

D. Automatically add Auto Scaled EC2 instances to an Amazon Elastic Load Balancer

According to a user's organization's security policy is essential for all the privileged users to have either frequently rotated passwords or one-time access credentials besides username/password. Identify two options that would allow an organization to impose this policy on AWS users.
Select the correct answer

A. Configure multi-factor authentication for privileged IAM users

B. Create IAM users for privileged accounts

C. Implement identity federation between your organization's identity provider leveraging the IAM Security Token Service

D. Both A & B

Identify the characteristics of Amazon S3 from the following: (Choose two options)
Select the correct answer(s)

A. Objects are directly accessible via a URL

B. S3 should be used to host a relational database

C. S3 allows you to store objects or virtually unlimited amounts of data

D. S3 allows you to store virtually unlimited amounts of data

Which are the costs associated with Direct Connect?
Select the correct answer

A. Data transfer

B. Dedicated connections

C. Hosted connections

D. All of the above

Identify the compute services that entitle developers to generate a Virtual Private Server (VPS) at a quick pace and ease due to the inclusion of a virtual machine, SSD-based storage, data transfer, DNS management, and a static IP address at a reasonable cost.
Select the correct answer

A. AWS Batch

B. AWS Lightsail

C. AWS Fargate

D. AWS Elastic Beanstalk

A large donation website is being hosted by a user's company on Amazon Web Services (AWS), and the user foresees a massive and undetermined amount of traffic that will result in the creation of many databases which will further capture writes. Further, the user wishes to disassociate the message producers from the message consumers. Identify the service which would assist to accomplish this task.
Select the correct answer

A. Amazon RDS

B. Amazon Simple Queue Service (SQS)

C. Amazon ElastiCache

D. Amazon DynamoDB

A web application is being built by a user which utilizes Amazon API Gateway. The user aspires to sustain distinct environments for development and production workloads. An AWS Lambda function will back up the API with the help of two aliases, one for development and the other one for production. Identify the method which will help the user to achieve this task with the least amount of manual configuration.
Select the correct answer

A. Create a REST API for each environment and integrate the APIs with the corresponding development and production aliases of the Lambda function, and then deploy the two APIs to their respective stages and access them using the stage URLs

B. Create one REST API and integrate it with the Lambda function using a stage variable in place of an alias, and then deploy the API to two different stages and create a stage variable in each stage with different aliases as the values. Access the API using the different stage URLs

C. Create one REST API and integrate it with the development alias of the Lambda function, and deploy it to a dev environment. Configure a canary release deployment for production where the canary will integrate with the Lambda production alias

D. Create one REST API and integrate it with the production alias of the Lambda function and deploy it to a production environment. Configure a canary release deployment for development where the canary will integrate with the Lambda development alias

A user is required to design the Internet connectivity for his VPC. The web servers must be approachable from the Internet, and they should contain a highly available architectural application. Identify the alternative which can be taken into consideration for this circumstance.
Select the correct answer

A. Assign EIPs to all the web servers and configure a Route53 record set with all the EIPs, health checks, and DNS failover

B. Configure a CloudFront distribution and the origin to point to the private IP addresses of your web servers, and then configure a Route53 CNAME record to your CloudFront distribution

C. Place all your web servers behind an ELB and configure a Route53 CNAME to point to the ELB DNS failover

D. Both A & C

Identify the types of Elastic Block Storage which will be suitable for a user who has to choose Amazon EBS for an application that requires bootup moderate I/O with 60 IOPS on volumes.
Select the correct answer

A. Standard EBS Volumes

B. Provisioned IOPS Volumes

C. Amazon S3

D. Both A & B

What are the key components of Direct Connect?
Select the correct answer

A. Virtual interfaces

B. Connections

C. Both A & B

D. None of the above

Identify the most suitable and feasible way to lay down permissions on an S3 bucket if a user aspires to distribute the content over the Internet but exclusively to his employees. Select the correct answer

A. Use S3 pre-signed URLs through the API

B. Create an S3 account for every employee

C. Download the content on your Intenet

D. Create rules and upload it in a .CSV format

Is it possible for a user to directly acquire access to the binary logs for his respective Database Instance in order to handle the duplication?
Select the correct answer

A. Yes, user can directly access the logs for MySQL-based RDS.

B. No, user cannot access the logs for any RDS instance.

C. Yes, user can directly access the logs for Oracle-based RDS.

D. Yes, user can directly access the logs for MYSQL-based RDS

A website is being operated by an AWS customer. Monthly, two million blog entries are being uploaded by the site users. The average blog entry size is 200 KB. Six months after the publication, the access rate to blog entries declined to zero. Further, during the first three

months after the commencement of the publication blog entries have a high update rate but gradually, this drops to a low update rate after six months. The consumer wishes to utilize CloudFront to upgrade his user load time. Identify the most suitable recommendations for the customer.
Select the correct answer

A. Duplicate entries into two different buckets and create two separate CloudFront distributions, where S3 access is restricted only to the CloudFront identity

B. Create a CloudFront distribution with U.S. or Europe price class for users based in U.S. or Europe, and a different CloudFront distribution with all edge locations for the remaining users

C. Create a CloudFront distribution with S3 access restricted only to the CloudFront identity and partition the blog entry location in S3 according to the month it was uploaded to be used with CloudFront behaviors

D. Create a CloudFront distribution with restrict viewer access forward query string set to true and minimum TTL to 0

Identify the statements that are correct about the AWS resources.

Select the correct answer

A. Security groups can be used to add DENY traffic rules

B. Any route table will have one route by default

C. There is no separate charge for instance storage

D. Both B and C

AWS Database Connect is a cloud service solution that makes it easy to establish a dedicated network connection from the user's premises to AWS.

Select the correct answer

A. TRUE

B. FALSE

An Amazon Virtual Private Cloud (VPC) employs a corporate web application and is associated to the corporate data center via an IPsec VPN. The application must validate against the on-premises LDAP server. After verification, each logged-in user can only approach an Amazon Simple Storage Space (S3) key space specific to that user. Which of the following approach can fulfil this objective? Select all that apply.

Select the correct answer

A. Develop an identity broker that authenticates against IAM Security Token Service to assume an IAM role for getting the temporary AWS security credentials. The application calls the identity broker to get the AWS temporary security credentials with access to the appropriate S3 bucket.

B. The application authenticates against LDAP and retrieves the name of an IAM role associated with the user. It then calls the IAM Security Token Service to assume that IAM role. The application can use the temporary credentials to access the appropriate S3 bucket.

C. Develop an identity broker that authenticates against LDAP, and then calls IAM Security Token Service to get IAM federated user credentials. The application calls the identity broker to get IAM federated user credentials with access to the appropriate S3 bucket.

D. Both B & C

A nightly Elastic Map Reduce (EMR) job is being operated by a user that undertakes a single 2 TB file which is stored on S3. The EMR job functions on two on-demand

core nodes and three on-demand task nodes. Identify the options that will aid the user to diminish the EMR job completion time.

Select the correct answer

A. Use three spot instances for the task nodes rather than three on-demand instances

B. Change the input split size in the map, reduce the job configuration, and adjust the number of simultaneous mapper tasks

C. Present an S3 bucket as a local file system using a bootstrap script

D. You can do nothing on your part to reduce the EMR job completion time

What will be the effect upon an attached Elastic IP address if the instance is terminated by the user?

Select the correct answer

A. It remains attached to the instance.

B. It becomes unattached until the instance is restarted.

C. It becomes unattached and must be manually reattached after the instance is started.

D. It is disassociated from the account

Identify the option upon which the user can apply Multi-Factor Authentication? (Select all that apply.)

A. Root Users

B. IAM Users

C. IAM Groups

D. Both A & B

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Identify the feature of Amazon S3 Glacier Deep Archive from the following.

Select the correct answer

A. Stores objects that are frequently accessed with high availability and durability

B. Stores objects that are accessed less frequently, but require rapid access when needed

C. Stores data that may be accessed once or twice in a year

D. Stores objects in two access tiers optimized for frequent and infrequent access

A user's Database engine requires configuring indexes, thus the user composes a Read Replica from the current production system and afterward construct the indexes on the Read Replicas. Identify the next step that is to be taken by the user.

Select the correct answer

A. Change the DNS to the Read Replica

B. Request AWS to change the endpoint to the Read Replica

C. Promote the Read Replica to drive the Business Intelligence

D. None of the above

A data transfer storage service is required by the users that will assist them to operate the functions in austere, non-data center environments or low internet network connectivity areas. Identify the transfer storage service which is appropriate for the user.

Select the correct answer

A. AWS Transfer Family

B. AWS DataSync

C. AWS Storage Gateway

D. AWS Snow Family

A purchasing option is being demanded by the users that are low-cost and possess the flexibility of Amazon EC2 without any up-front payment or long-term commitment. Identify the purchasing options of Amazon EC2 that will be feasible for the user.

Select the correct answer

A. Spot Instances

B. Reserved Instances

C. On-Demand Instances

D. Saving Plans

An AWS application service is required by the user that helps him to coordinate the workflow and tasks among numerous AWS services and distributed application components. Identify the most suitable AWS application service for the user.

Select the correct answer

A. A. Amazon SQS

B. Amazon SNS

C. Amazon SWF

D. Amazon API Gateway

A user wishes to govern the inbound and outbound authorization to and from individual subnets with network access control lists by employing an AWS service. Identify the most appropriate AWS service for the user.

Select the correct answer

A. Internet Gateways

B. Amazon VPC

C. NAT

D. VPC Peering

Identify the benefit of Multi-Availability Zone Deployments from the following.

Select the correct answer

A. Migration support

B. Enhanced durability

C. Performance at scale

D. Easy-to-manage

Amazon Glacier is designed for _____ .

Select the correct answer

A. Active database storage

B. Quick backups

C. Cached session data

D. Infrequently accessed data

Amazon Glacier provides _____ .

A. Centralized and automated data backup across AWS resources

B. Lower-latency data access in different geographic regions

C. Three configurable retrieval options, varying from minutes to hours

D. Visibility into S3 Replication activity

If the user has more than one remote network, then it will result in the creation of various AWS Site-to-Site VPN connections via the user's virtual private gateway to permit communication between these networks. Identify the VPN connectivity options that will assist the user to connect the Amazon VPC to the remote network.

A. AWS Site-to-Site VPN

B. AWS Client VPN

C. AWS VPN CloudHub

D. Third party software VPN appliance

The user wishes to employ a type of MFA where an application operating on a phone or other devices produces a six-digit numeric code. while signing in, it is vital for the user to type the code from the device on the web page. Identify the type of Multi-Factor Authentication should the user utilize.

Select the correct answer

A. Virtual MFA Devices

B. U2F Security Key

C. SMS Text Message-based MFA

D. Single Sign-On

Identify from the following the DNS name which can primarily be resolved within Amazon EC2?

Select the correct answer

A. Global DNS name

B. Internal DNS name

C. Private DNS name

D. External DNS name

A customer relationship management (CRM) application operates on Amazon EC2 instances in various Availability Zones following an Application Load Balancer. What will be the consequence if any of these instances fail to owe to an Application Load Balancer? What will be the consequence if any one of these instances fails?

Select the correct answer

A. The load balancer will cease transmitting requests to the failed instance

B. The load balancer will cease the failed instance

C. The load balancer will automatically restore the failed instance

D. The load balancer will reinstate 504 Gateway and timeout the errors till the moment the instance is restored

A company is required to execute asynchronous processing, and has Amazon SQS as part of a disassociated architecture. The company wants to make sure that the number of insubstantial responses from polling requests are stored to a minimum. Identify the measure adopted by a a solutions architect to ensure that empty responses are diminished.

Select the correct answer

A. Increment in the maximum message retention period for the queue

B. Increment in the maximum receives for the redrive policy for the queue

C. Increment in the default visibility timeout for the queue

D. Increment in the receive message wait time for the queue

At present, a company keeps data for on-premises applications on local drives. The chief technology officer wishes to lessen the costs of hardware by reserving the data in Amazon S3 but at the same time does not wish to alter and redesign the application. In order to diminish the latency, routinely approached data should be available locally. Identify the most reliable and durable solution for a solutions architect that can be implemented in order to will lessen the cost of local storage?

Select the correct answer

A. Employ an SFTP client on a local server and trasmit data to Amazon S3 using AWS Transfer for SFTP

B. Employ an AWS Storage Gateway volume gateway composed in cached volume mode

C. Employ an AWS DataSync agent on a local server and composed an S3 bucket as the destination

D. Employ an AWS Storage Gateway volume gateway formulated in stored volume mode

A public-facing three-tier web application is being operated by a company in a VPC across numerous Availability Zones. Amazon EC2 instances for the application tier functioning in private subnets are required to install software patches from the internet. However, the direct accessibility can not be acquired. Identify the suitable actions which are required to be taken in order to allow the instances to download the essential patches? (Select TWO.)

Select the correct answer

A. Construct a NAT gateway in a public subnet

B. Establish a custom route table with a route to the NAT gateway for internet traffic and associate it with the private subnets for the application tier

C. Elastic IP addresses are required to be allocated to the application instances

D. Both A and B

A solutions architect wishes to formulate a solution in order to conserve costs for Amazon EC2 instances that do not require to run during a 2-week company shutdown. The operating applications on the instances accumulate data in instance memory (RAM) that must be available when the instances renew operation. Identify the approach that need to be adopted by the solutions architect in order to shut down and recommence the instances.

Select the correct answer

A. Redesign the application to store the data on instance store volumes. Reconnect the volumes while restarting them

B. Capture the instances before stopping them. After rebooting the instances, conserve the snapshot

C. Operate the applications on instances enabled for hibernation. Hibernate the instances before the shutdown

D. Observe the Availability Zone for each instance

Identify the true statement about Amazon CloudWatch? (Select all that apply.)

Select the correct answer

A. Amazon CloudWatch uses Amazon Simple Notification Service (Amazon SNS) to send emails

B. You can create an alarm from the Alarms list in the Amazon CloudWatch console

C. Amazon CloudWatch alarm can be configured to send emails when EBS exceeds 100 MB throughput

D. Both A & C

A company decides to operate a supervising application on an Amazon EC2 instance in a VPC. Using its private IPv4 address, associations are made to the instance. A solutions architect is required to form a solution that will permit traffic to be rapidly directed to a standby instance if there is an application failure and becomes unreachable. Identify the approach which will meet these requirements.

Select the correct answer

A. An Application Load Balancer can be deployed and configure with a listener for the private IP address and record the primary instance with the load balancer. Upon failure, de-register the instance and register the secondary instance.

B. A custom DHCP option set can be configured with an aim to allocate the same private IP address to the secondary instance when there is a failure of the primary instance.

C. A secondary elastic network interface (ENI) can be attached to the instance configured with the private IP address. Further, transport the ENI to the standby instance if the primary instance becomes inapproachable.

D. An Elastic IP address can be associated with the network interface of the primary instance. The Elastic IP can be decoupled from the primary instance upon collapse and associate it with a secondary instance.

A site analytics service will be offered by an analytics company to its users. Does the service demand that the user's web pages are inclusive of a JavaScript script that makes unique GET requests to the company's Amazon S3 bucket? Identify the measure adopted by a solutions architect to ensure that the script will be successfully accomplished.

Select the correct answer

A. Cross-origin resource sharing (CORS) needs to be enable on the S3 bucket

B. S3 versioning needs to be enable on the S3 bucket

C. The users should be equipped with a signed URL for the script

D. Configure a bucket policy to validate public execute privileges

A company's security team makes it vital that all data kept in the cloud be ciphered at rest at all times using encryption keys gathered on-premises. Identify the encryption options that would satisfy these requirements. (Select TWO.)

Select the correct answer

A. Use Server-Side Encryption with Amazon S3 Managed Keys (SSE-S3)

B. Use client-side encryption to provide at-rest encryption

C. Use Server-Side Encryption with Customer Provided Keys (SSE-C)

Conforming to the regulatory requirements, a company is required to sustain authorization logs for a minimum of 5 years. The data is barely accessed once accumulated but must be approachable with one day's notice in case it is required. Identify the most feasible and cost-effective data storage solution that fulfills these criteria.

Select the correct answer

A. The data needs to be stored in Amazon S3 Glacier Deep Archive storage and eradicate the objects after a span of 5 years utilizing a lifecycle rule

B. The data needs to be stored in Amazon S3 Standard storage and conversion to Amazon S3 Glacier after a span of 30 days utili a lifecycle rule

C. The data needs to be stored in logs by taking the help of Amazon CloudWatch Logs and lay down the retention period to 5 years

D. The data needs to be stored in Amazon S3 Standard-Infrequent Access (S3 Standard-IA) storage and eradicate the objects after a time span of 5 years utilizing a lifecycle rule.

Reserved Instances are being employed by a company to operate its data-processing workload. Usually, the nightly job requires 7 hours to function and is supposed to be finished within a 10-hour time window. Short term increment in demand is being foreseen by the company at the end of each month that will result the job to exceed the time limit with the capacity of the current resources. Once started, the processing job cannot be intervened before execution. The company is seeking a solution that would permit it to make a provision for increased capacity as cost-effectively as possible. Identify the measure to be adopted by a solutions architect in order to fulfil this

Select the correct answer

A. On-Demand Instances are required to deploy during periods of high demand

B. A second Amazon EC2 reservation is required to be created for additional instances

C. Spot Instances are required to be deployed during periods of high demand

D. Increment in the instance size of the instances in the Amazon EC2 reservation in order to support the multiplied workload