

Question 1

An EC2 instance that you manage has an IAM role attached to it that provides it with access to Amazon S3 for saving log data to a bucket. A change in the application architecture means that you now need to provide the additional ability for the application to securely make API requests to Amazon API Gateway.

Which two methods could you use to resolve this challenge? (choose 2)

1. Create an IAM role with a policy granting permissions to Amazon API Gateway and add it to the EC2 instance as an additional IAM role
2. You cannot modify the IAM role assigned to an EC2 instance after it has been launched. You'll need to recreate the EC2 instance and assign a new IAM role
3. Create a new IAM role with multiple IAM policies attached that grants access to Amazon S3 and Amazon API Gateway, and replace the existing IAM role that is attached to the EC2 instance
4. Add an IAM policy to the existing IAM role that the EC2 instance is using granting permissions to access Amazon API Gateway

Show Answer

Question 2

You have been tasked with building an ECS cluster using the EC2 launch type and need to ensure container instances can connect to the cluster. A colleague informed you that you must ensure the ECS container agent is installed on your EC2 instances. You have selected to use the Amazon ECS-optimized AMI.

Which of the statements below are correct? (Choose 2)

1. The Amazon ECS container agent is included in the Amazon ECS-optimized AMI
2. The Amazon ECS container agent is installed on the AWS managed infrastructure used for tasks using the EC2 launch type so you don't need to do anything
3. You can install the ECS container agent on any Amazon EC2 instance that supports the Amazon ECS specification
4. You can only install the ECS container agent on Linux instances

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Question 3

You work as an Enterprise Architect for Digital Cloud Guru which employs 1500 people. The company is growing at around 5% per annum. The company strategy is to increasingly adopt AWS cloud services. There is an existing Microsoft Active Directory (AD) service that is used as the on-premise identity and access management system. You want to avoid synchronizing your directory into the AWS cloud or adding permissions to resources in another AD domain.

How can you continue to utilize the on-premise AD for all authentication when consuming AWS cloud services?

1. Install a Microsoft Active Directory Domain Controller on AWS and add it into your existing on-premise domain
2. Launch an AWS Active Directory Service for Microsoft Active Directory and setup trust relationships with your on-premise domain
3. Use a large AWS Simple AD in AWS
4. Launch a large AWS Directory Service AD Connector to proxy all authentication back to your on-premise AD service for authentication

Show Answer

Question 4

You are designing a web application that requires high performance and consistent user experience. Which AWS service would be best suited to storing transient session state data?

1. ElasticCache
2. RDS
3. Auto Scaling
4. RedShift

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Question 5

As a Solutions Architect for Digital Cloud Guru you are designing an online shopping application for a new client. The application will be composed of distributed, decoupled

components to ensure that the failure of a single component does not affect the availability of the application.

You will be using SQS as the message queueing service and the client has stipulated that the messages related to customer orders must be processed in the order that they were submitted in the online application. The client expects that the peak rate of transactions will not exceed 140 transactions a second.

What will you explain to the client?

1. This is not possible with SQS as you cannot control the order in the queue
2. The only way this can be achieved is by configuring the applications to process messages from the queue in the right order based on timestamps
3. This can be achieved by using a FIFO queue which will guarantee the order of messages
4. This is fine, standard SQS queues can guarantee the order of the messages

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Question 6

Your client is running an individual DynamoDB table in the Asia Pacific (Tokyo) region. As the client's business is expanding the load on the table is increasing and you've have been asked what limitations you may come up against in terms of write throughput to the single table?

What advice would you give to your client?

1. 40,000 write capacity units is the limitation per AWS account
2. 80,000 write capacity units is the maximum supported write throughput
3. 10,000 write capacity units is the default per table, but you can request a service limit increase
4. 10,000 write capacity units is the maximum supported for an individual table

Show Answer

Question 7

Your client is looking for a way to use standard templates for describing and provisioning their infrastructure resources on AWS. Which AWS service can be used in this scenario?

1. Simple Workflow Service (SWF)
2. CloudFormation
3. Auto Scaling
4. ElasticBeanstalk

Show Answer

Question 8

Your company runs a two-tier application that uses web front-ends running on EC2 instances across multiple AZs. The back-end is an RDS multi-AZ database instance. The front-end servers host a Content Management System (CMS) application that stores files that users upload in attached EBS storage. You don't like having the uploaded files distributed across multiple EBS volumes and are concerned that this solution is not scalable.

You would like to design a solution for storing the files that are uploaded to your EC2 instances that can achieve high levels of aggregate throughput and IOPS. The solution must scale automatically, and provide consistent low latencies. You also need to be able to mount the storage to the EC2 instances across multiple AZs within the region.

Which AWS service would meet your needs?

1. Create an S3 bucket and use this as the storage location for the application
2. Use the Amazon Elastic File System
3. Use ElastiCache
4. Store the files in the RDS database

Show Answer

Question 9

Which of the following configurations uses synchronous replication?

1. RDS Read Replica across AWS regions
2. DynamoDB Read Replica
3. RDS DB instance using a Multi-AZ configuration
4. EBS volume synchronization

Show Answer

Question 10

Your manager has asked you to explain how Amazon ElastiCache may assist with the company's plans to improve the performance of database queries.

Which of the below statements is a valid description of the benefits of Amazon ElastiCache? (Choose 2)

1. ElastiCache is best suited for scenarios where the data base load type is OLTP
2. ElastiCache nodes can be accessed directly from the Internet and EC2 instances in other regions, which allows you to improve response times for queries over long distances
3. ElastiCache is a web service that makes it easy to deploy and run Memcached or Redis protocol-compliant server nodes in the cloud
4. ElastiCache can form clusters using a mixture of Memcached and Redis caching engines, allowing you to take advantage of the best features of each caching engine
5. The in-memory caching provided by ElastiCache can be used to significantly improve latency and throughput for many read-heavy application workloads or compute-intensive workloads

Show Answer

Question 11

With Amazon EC2, instances can be assigned private and public IP addresses. Which of the statements below are correct regarding public IP addresses? (choose 3)

1. When you launch an instance in EC2-Classic, a public IP address is automatically assigned to the instance from the EC2-Classic public IPv4 address pool
2. When you launch an instance into a VPC, your subnet has an attribute that determines whether instances launched into that subnet receive a public IP address from the EC2-VPC public IPv4 address pool
3. You can manually associate or disassociate a public IP address from your instance
4. The public IP address for your instance is released when it's stopped or terminated
5. You can modify whether an instance receives a public IP or not in EC2-Classic

Show Answer

Question 12

What connectivity options are available with AWS Direct Connect when using public and private VIFs? (Choose 3)

1. You can connect to AWS services over the private VIF
2. You can connect to your private VPC subnets over the public VIF
3. You can connect to your private VPC subnets over the private VIF, and to Public AWS services over the public VIF
4. You can substitute your internet connection at your DC with AWS's public Internet through the use of a NAT gateway in your VPC
5. Once connected to your VPC through Direct connect you can connect to all AZs within the region
6. Using an IPSec VPN you can connect over the public VIF to remote AWS regions

Show Answer

Question 13

You would like to deploy EC2 instance with enhanced networking. What are the pre-requisites for using enhanced networking? (Choose 2)

1. Instances must be launched from a HVM AMI
2. Instances must be launched from a PV AMI
3. Instances must be launched in a VPC
4. Instances must be EBS backed, not Instance-store backed
5. Instances must be of T2 Micro type

Show Answer

Question 14

You are a Solutions Architect at Digital Cloud Guru and have been tasked with designing a 3-tier web application that is highly available and stateless. Which of the services below would you consider for storing the session state data? (choose 2)

1. DynamoDB
2. RDS
3. ElastiCache
4. RedShift

Show Answer

Question 15

You have been asked to describe the benefits of using AWS Lambda compared to EC2 instances. Which of the below statements are incorrect?

1. With AWS lambda, the client is responsible for launching and administering the underlying AWS compute infrastructure
2. AWS Lambda scales automatically
3. With AWS Lambda the customer does not have any responsibility for deploying and managing the compute infrastructure
4. With AWS Lambda you only pay for what you use
5. AWS Lambda runs on highly available infrastructure

Show Answer

Question 16

You run a two-tier application with a web tier that is behind an Internet-facing Elastic Load Balancer (ELB). You need to restrict access to the web tier to a specific list of public IP addresses.

What are two possible ways you can implement this requirement? (Choose 2 answers)

1. Configure the VPC internet gateway to allow incoming traffic from these IP addresses
2. Configure your ELB to send the X-forwarded for headers and the web servers to filter traffic based on the ELB's "X-forwarded-for" header
3. Configure the ELB security group to allow traffic from this list of IPs and deny all other inbound traffic
4. Configure a VPC NACL to allow web traffic from the list of IPs and deny all outbound traffic

Show Answer

Question 17

What application parameters can be defined in an ECS task definition? (choose 3)

1. The container images to use and the repositories in which they are located
2. The ports that should be opened on the container instance for your application
3. The ELB node to be used to scale the task containers
4. The data volumes that should be used with the containers in the task

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Question 18

You need to provide access to the AWS Management Console to a team of new application developers. The team members who perform the same role are assigned to a Microsoft Active Directory group and you have been asked to use Identity Federation and RBAC.

Which AWS services would you use to configure this access? (choose 2)

1. AWS Directory Service Simple AD
2. AWS Directory Service AD Connector
3. AWS IAM Groups
4. AWS IAM Roles
5. AWS IAM Users
6. IAM Policies

Show Answer

Question 19

The development team at your company have created a new mobile application that will be used by users to access confidential data. The developers have used Amazon Cognito for authentication, authorization, and user management. Due to the sensitivity of the data, there is a requirement to add another method of authentication in addition to a username and password.

You have been asked to recommend the best solution. What is your recommendation?

1. Integrate IAM with a user pool in Cognito
2. Enable multi-factor authentication (MFA) in IAM
3. Integrate a third-party identity provider (IdP)
4. Use multi-factor authentication (MFA) with a Cognito user pool

Show Answer

Question 20

There is expected to be a large increase in write intensive traffic to a website you manage that registers users onto an online learning program. You are concerned about writes to the database being dropped and need to come up with a solution to ensure this does not happen. Which of the solution options below would be the best approach to take?

1. Update the application to write data to an SQS queue and provision additional EC2 instances to process the data and write it to the database
2. Use RDS in a multi-AZ configuration to distribute writes across AZs
3. Update the application to write data to an S3 bucket and provision additional EC2 instances to process the data and write it to the database
4. Use CloudFront to cache the writes and configure the database as a custom origin

Show Answer

Question 21

Your company currently uses Puppet Enterprise for infrastructure and application management. You are looking to move some of your infrastructure onto AWS and would like to continue to use the same tools in the cloud. What AWS service provides a fully managed configuration management service that is compatible with Puppet Enterprise?

1. Elastic Beanstalk
2. CloudFormation
3. OpsWorks
4. CloudTrail

Show Answer

Question 22

CloudWatch automatically provides data including metrics and volume status checks for EBS volumes. There are two types of monitoring available, which type provides data in 5-minute intervals at no charge?

What type of monitoring for Amazon EBS volumes is free and available automatically in 5-minute periods?

1. Enterprise
2. Business
3. Basic
4. Detailed

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Question 23

With Amazon API Gateway what are features that assist with creating and managing APIs? (Choose 2)

1. You can define plans that meter and restrict third-party developer access to APIs
2. Flexible message delivery over multiple transport protocols
3. You can define the maintenance window or AWS will schedule a 30 minute window
4. You can operate multiple API versions and multiple stages for each version simultaneously

Show Answer

Question 24

You are a Solutions Architect at Digital Cloud Guru. One of your clients has requested that you design a solution for distributing load across a number of EC2 instances across multiple AZs within a region. Customers will connect to several different applications running the client's servers through their browser using multiple domain names and SSL certificates. The certificates are stored in AWS Certificate Manager (ACM).

What is the optimal architecture to ensure high availability, cost effectiveness, and performance?

1. Launch a single ALB and bind multiple SSL certificates to multiple secure listeners
2. Launch a single ALB and bind multiple SSL certificates to the same secure listener.
Clients will use the Server Name Indication (SNI) extension
3. Launch multiple ALBs and bind separate SSL certificates to each ELB
4. Launch a single ALB, configure host-based routing for the domain names and bind an SSL certificate to each routing rule

Show Answer

Question 25

There is a new requirement to implement in-memory caching for a Financial Services application due to increasing read-heavy load. The data must be stored persistently. Automatic failover across AZs is also required.

Which two items from the list below are required to deliver these requirements? (choose 2)

1. ElastiCache with the Redis engine
2. ElastiCache with the Memcached engine
3. Multi-AZ with Cluster mode and Automatic Failover enabled
4. Multiple nodes placed in different AZs

Show Answer

Question 26

You are designing an identity, authorization and access management solution for the AWS cloud. The features you need include the ability to manage user accounts and group memberships, create and apply group policies, securely connect to Amazon EC2 instances, and provide Kerberos-based single sign-on (SSO). You do not need to establish trust relationships with other domains, use DNS dynamic update, implement schema extensions or use other advanced directory features.

What would be the most cost-effective solution?

1. Use AWS Simple AD
2. Use AWS Directory Service for Microsoft AD
3. Use Amazon Cloud Directory
4. Use AD Connector

Show Answer

Question 27

Several websites you run on AWS use multiple Internet-facing Elastic Load Balancers (ELB) to distribute incoming connections to EC2 instances running web applications. The ELBs are configured to forward using either TCP (layer 4) or HTTP (layer 7) protocols. You would like to start recording the IP addresses of the clients that connect to your web applications.

Which ELB features will you implement with which protocols? (choose 2)

1. X-Forwarded-For request header and TCP
2. X-Forwarded-For request header and HTTP
3. Proxy Protocol and TCP
4. Proxy Protocol and HTTP

Show Answer

Question 28

The company you work for is currently transitioning their infrastructure and applications into the AWS cloud. You are planning to deploy an Elastic Load Balancer (ELB) that distributes traffic for a web application running on EC2 instances. You still have some application servers running on-premise and you would like to distribute application traffic across both your AWS and on-premises resources.

How can this be achieved?

1. Provision a Direct Connect connection between your on-premises location and AWS and create a target group on an ALB to use IP based targets for both your EC2 instances and on-premises servers
2. Provision a Direct Connect connection between your on-premises location and AWS and create a target group on an ALB to use Instance ID based targets for both your EC2 instances and on-premises servers
3. Provision an IPSec VPN connection between your on-premises location and AWS and create a CLB that uses cross-zone load balancing to distributed traffic across EC2 instances and on-premises servers
4. This cannot be done, ELBs are an AWS service and can only distributed traffic within the AWS cloud

Show Answer

Question 29

Which of the statements below are correct in relation to CloudFront Regional Edge Caches?
(choose 2)

1. Regional Edge Caches are enabled by default for CloudFront Distributions
2. There are additional charges for using Regional Edge Caches
3. Regional Edge Caches have larger cache-width than any individual edge location, so your objects remain in cache longer at these locations
4. Regional Edge Caches are read-only

Show Answer

Question 30

Your company are reviewing their information security processes. One of the items that came out of a recent audit is that there is insufficient data recorded about requests made to a few S3 buckets. The security team require an audit trail for operations on the S3 buckets that includes the requester, bucket name, request time, request action, and response status.

Which action would you take to enable this logging?

1. Create a CloudTrail trail that audits S3 bucket operations
2. Enable S3 event notifications for the specific actions and setup an SNS notification
3. Enable server access logging for the S3 buckets to save access logs to a specified destination bucket
4. Create a CloudWatch metric that monitors the S3 bucket operations and triggers an alarm

Show Answer

Question 31

Which of the following statements are correct about Amazon Simple Queue Service (SQS)?
(choose 3)

1. SQS is pull based (polling) not push based

2. Messages can be kept in the queue from 1 minute to 4 days
3. The maximum messages size is 512KB
4. You can use IAM policies to control who can read/write messages
5. CloudWatch metrics are automatically collected every 5 minutes
6. Scaling is performed by adding more instances

Show Answer

Question 32

You have been asked to implement a solution for capturing, transforming and loading streaming data into an Amazon RedShift cluster. The solution will capture data from Amazon Kinesis Data Streams. Which AWS services would you utilize in this scenario? (choose 2)

1. Kinesis Data Firehose for capturing the data and loading it into RedShift
2. Kinesis Video Streams for capturing the data and loading it into RedShift
3. EMR for transforming the data
4. Lambda for transforming the data

Show Answer

Question 33

Which of the statements below is correct in relation to Amazon VPC routing? (choose 3)

1. The VPC router performs routing between AZs within a region
2. Can assign one route table to multiple subnets
3. A subnet can be associated with multiple route tables
4. If no route table is specified a subnet will be assigned to the main route table at creation time
5. You cannot modify which route table is the default route table

Show Answer

Question 34

You are a Solutions Architect for a pharmaceutical company. The company uses a strict process for release automation that involves building and testing services in 3 separate

VPCs. A peering topology is configured with VPC-A peered with VPC-B and VPC-B peered with VPC-C. The development team want to modify the process so that they can release code directly from VPC-A to VPC-C.

How can this be accomplished?

1. Update VPC-A's route table with an entry using the VPC peering as a target
2. Create a new VPC peering connection between VPC-A and VPC-C
3. Update VPC-B's route table with peering targets for VPC-A and VPC-C and enable route propagation
4. Update the CIDR blocks to match to enable inter-VPC routing

Show Answer

Question 35

When attaching an Elastic Network Interface (ENI) to an EC2 instance, what does “warm attach” mean?

1. Attaching an ENI to an instance when it is stopped
2. Attaching an ENI to an instance during the launch process
3. Attaching an ENI to an instance when it is running
4. Attaching an ENI to an instance when it is idle

Show Answer

Question 36

How often does EC2 send metrics to Amazon CloudWatch by default?

1. One second
2. Five seconds
3. One minute
4. Five minutes
5. Three minutes

Show Answer

Question 37

You are a Solutions Architect at Digital Cloud Guru and have been assigned the task of moving some sensitive documents into the AWS cloud. You need to ensure that the security of the documents is maintained. Which AWS features can help ensure that the sensitive documents are secured on the AWS cloud? (choose 3)

1. EBS encryption with Customer Managed Keys
2. S3 Server-Side Encryption
3. IAM Access Policy
4. EBS snapshots
5. S3 cross region replication
6. S3 Client-Side encryption

Show Answer

Question 38

An EC2 instance in an Auto Scaling Group is having some issues that are causing the ASG to launch new instances based on the dynamic scaling policy. You need to troubleshoot the EC2 instance and prevent the ASG from launching new instances temporarily.

What is the best method to accomplish this? (choose 2)

1. Disable the dynamic scaling policy
2. Suspend the scaling processes responsible for launching new instances
3. Place the EC2 instance that is experiencing issues into the Standby state
4. Remove the EC2 instance from the Target Group

Show Answer

Question 39

You are discussing EC2 with a colleague and need to describe the differences between EBS-backed instances and Instance store-backed instances. Which of the statements below would be valid descriptions? (choose 3)

1. On an EBS-backed instance, the default action is for the root EBS volume to be deleted upon termination

2. EBS volumes can be detached and reattached to other EC2 instances
3. Instance store volumes can be detached and reattached to other EC2 instances
4. For both types of volume rebooting the instances will not result in data loss
5. By default, root volumes for both types will be retained on termination unless you configured otherwise

Show Answer

Question 40

An application you manage in your VPC uses an Auto Scaling Group that spans 3 AZs and there are currently 4 EC2 instances running in the group. What actions will Auto Scaling take, by default, if it needs to terminate an EC2 instance? (choose 2)

1. Wait for the cooldown period and then terminate the instance that has been running the longest
2. Send an SNS notification, if configured to do so
3. Terminate the instance with the least active network connections. If multiple instances meet this criterion, one will be randomly selected
4. Randomly select one of the 3 AZs, and then terminate an instance in that AZ
5. Terminate an instance in the AZ which currently has 2 running EC2 instances

Show Answer

Question 41

You are a Solutions Architect at Digital Cloud Guru. A new client who has not used cloud computing has asked you to explain how AWS works. The client wants to know what service is provided that will provide a virtual network infrastructure that loosely resembles a traditional data center but has the capacity to scale more easily?

1. Elastic Load Balancing
2. Elastic Compute Cloud
3. Direct Connect
4. Virtual Private Cloud

Show Answer

Question 42

You're trying to explain to a colleague typical use cases where you can use the Simple Workflow Service (SWF). Which of the scenarios below would be valid? (choose 2)

1. Sending notifications via SMS when an EC2 instance reaches a certain threshold
2. Managing a multi-step and multi-decision checkout process for a mobile application
3. Providing a reliable, highly-scalable, hosted queue for storing messages in transit between EC2 instances
4. For web applications that require content delivery networks
5. Coordinating business process workflows across distributed application components

Show Answer

Question 43

When using a Classic Load Balancer, which of the following combinations of listeners support the proxy protocol? (choose 2)

1. Front-End – TCP & Back-End – TCP
2. Front-End – SSL & Back-End – SSL
3. Front-End – SSL & Back-End – TCP
4. Front-End – TCP & Back-End SSL

Show Answer

Question 44

When using throttling controls with API Gateway what happens when request submissions exceed the steady-state request rate and burst limits?

1. The requests will be buffered in a cache until the load reduces
2. API Gateway fails the limit-exceeding requests and returns "429 Too Many Requests" error responses to the client
3. API Gateway fails the limit-exceeding requests and returns "500 Internal Server Error" error responses to the client
4. API Gateway drops the requests and does not return a response to the client

Show Answer

Question 45

According to AWS best practices you setup multi-factor authentication (MFA) for your root account and configured it to work with Google Authenticator on your smart phone. Unfortunately, your smart phone has been lost. What are the options available to access your account?

1. Get a user with administrative privileges in your AWS account to deactivate the MFA device assigned to the root account
2. On the AWS sign-in with authentication device web page, choose to sign in using alternative factors of authentication and use the verification email and code to sign in
3. You will need to contact AWS support to request that the MFA device is deactivated and have your password reset
4. Unfortunately, you will no longer be able to access this account as the root user

Show Answer

Question 46

An event in CloudTrail is the record of an activity in an AWS account. What are the two types of events that can be logged in CloudTrail? (choose 2)

1. System Events which are also known as instance level operations
2. Management Events which are also known as control plane operations
3. Platform Events which are also known as hardware level operations
4. Data Events which are also known as data plane operations

Show Answer

Question 47

You have an existing Auto Scaling Group running with 8 EC2 instances. You have decided to attach an ELB to the ASG by connecting a Target Group. The ELB is in the same region and already has 10 EC2 instances running in the Target Group. When attempting to attach the ELB the request fails, what is the most likely cause?

1. ASGs cannot be edited once defined, you would need to recreate it
2. Adding the 10 EC2 instances to the ASG would exceed the maximum capacity configured
3. You cannot attach running EC2 instances to an ASG
4. The EC2 instances in the Target Group are in the wrong Availability Zone

Show Answer

Question 48

You are a developer at Digital Cloud Guru. An application stack you are building needs a message bus to decouple the application components from each other. The application will generate up to 300 messages per second without using batching. You need to ensure that a message is only delivered once and duplicates are not introduced into the queue. It is not necessary to maintain the order of the messages.

Which SQS queue type will you use:

1. Standard queues
2. Long polling queues
3. FIFO queues
4. Auto Scaling queues

Show Answer

Question 49

You are developing some code that uses a Lambda function and you would like to enable the function to connect to an ElastiCache cluster within a VPC that you own. What VPC-specific information must you include in your function to enable this configuration? (choose 2)

1. VPC Subnet IDs
2. VPC Route Table IDs
3. VPC Logical IDs
4. VPC Security Group IDs

Show Answer

Question 50

Your company has multiple AWS accounts for each environment (Prod, Dev, Test etc.). You would like to copy an EBS snapshot from DEV to PROD. The snapshot is from an EBS volume that was encrypted with a custom key.

What steps do you need to take to share the encrypted EBS snapshot with the Prod account? (choose 2)

1. Share the custom key used to encrypt the volume
2. Modify the permissions on the encrypted snapshot to share it with the Prod account
3. Make a copy of the EBS volume and unencrypt the data in the process
4. Create a snapshot of the unencrypted volume and share it with the Prod account

Show Answer

Question 51

Which of the following are AWS best practices for DynamoDB? (choose 3)

1. Keep item sizes small
2. Use for BLOB data use cases
3. Store more frequently and less frequently accessed data in separate tables
4. Store objects larger than 400KB in S3 and use pointers in DynamoDB
5. Use separate local secondary indexes for each item

Show Answer

Question 52

Which AWS service makes it easy to collect, process, and analyze real-time, streaming data?

1. S3
2. Kinesis Data Streams
3. RedShift
4. EMR

Show Answer

Question 53

The financial institution you are working for stores large amounts of historical transaction records. There are over 25TB of records and your manager has decided to move them into the AWS Cloud. You are planning to use Snowball as copying the data would take too long. Which of the statements below are true regarding Snowball? (choose 3)

1. Snowball can import to S3 but cannot export from S3
2. Uses a secure storage device for physical transportation
3. Can be used with multipart upload
4. Petabyte scale data transport solution for transferring data into or out of AWS
5. Snowball must be ordered from and returned to the same region

Show Answer

Question 54

You just created a new subnet in your VPC and have launched an EC2 instance into it. You are trying to access the EC2 instance from the Internet and cannot connect. What steps should you take to troubleshoot the issue? (choose 2)

1. Check that the instance has a public IP address
2. Check that there is a NAT Gateway configured for the subnet
3. Check that the route table associated with the subnet has an entry for an Internet Gateway
4. Check that you can ping the instance from another subnet

Show Answer

Question 55

What are the memory allocation options for Lambda functions?

1. Minimum 128MB, maximum 3008MB in 64MB increments
2. Minimum 512MB, maximum 1024MB in 64MB increments
3. Minimum 128MB, maximum 3008MB in 128MB increments

4. Minimum 512MB, maximum 1024MB in 128MB increments

Show Answer

Question 56

You created a new IAM user account for a temporary employee who recently joined the company. The user does not have permissions to perform any actions, which statement is true about newly created users in IAM?

1. They are created with no permissions
2. They are created with limited permissions
3. They are created with full permissions
4. They are created with user privileges

Show Answer

Question 57

You need to setup a distribution method for some static files. The requests will be mainly GET requests and you are expecting a high volume of GETs often exceeding 2000 per second. The files are currently stored in an S3 bucket. According to AWS best practices, what can you do to optimize performance?

1. Integrate CloudFront with S3 to cache the content
2. Use cross-region replication to spread the load across regions
3. Use ElastiCache to cache the content
4. Use S3 Transfer Acceleration

Show Answer

Question 58

You have recently enabled Access Logs on your Application Load Balancer (ALB). One of your colleagues would like to process the log files using a hosted Hadoop service. What configuration changes and services can be leveraged to deliver this requirement?

1. Configure Access Logs to be delivered to DynamoDB and use EMR for processing the log files
2. Configure Access Logs to be delivered to S3 and use Kinesis for processing the log files
3. Configure Access Logs to be delivered to S3 and use EMR for processing the log files
4. Configure Access Logs to be delivered to EC2 and install Hadoop for processing the log files

Show Answer

Question 59

You have just created a new Network ACL in your VPC. You have not yet created any rules. Which of the statements below are correct regarding the default state of the Network ACL? (choose 2)

1. There is a default inbound rule denying all traffic
2. There is a default outbound rule allowing all traffic
3. There is a default inbound rule allowing traffic from the VPC CIDR block
4. There is a default outbound rule denying all traffic

Show Answer

Question 60

You are planning to launch a fleet of EC2 instances running Linux. As part of the launch you would like to install some application development frameworks and custom software onto the instances. The installation will be initiated using some scripts you have written. What feature allows you to specify the scripts so you can install the software during the EC2 instance launch?

1. Metadata
2. User Data
3. Run Command
4. AWS Config

Show Answer

Question 61

Which block device can be specified in a block device mapping to be used with an EC2 instance? (choose 2)

1. Snapshot
2. Instance store volume
3. EBS volume
4. EFS volume

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Question 62

One of your EC2 instances that is behind an Elastic Load Balancer (ELB) is in the process of being de-registered. Which ELB feature can be used to allow existing connections to close cleanly?

1. Sticky Sessions
2. Deletion Protection
3. Connection Draining
4. Proxy Protocol

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Question 63

One of your clients has multiple VPCs that are peered with each other. The client would like to use a single Elastic Load Balancer (ELB) to route traffic to multiple EC2 instances in peered VPCs within the same region. Is this possible?

1. No, the instances that an ELB routes traffic to must be in the same VPC
2. This is possible using the Classic Load Balancer (CLB) if using Instance IDs
3. This is not possible with ELB, you would need to use Route 53
4. This is possible using the Network Load Balancer (NLB) and Application Load Balancer (ALB) if using IP addresses as targets

Show Answer

Question 64

Which of the following statements is correct about restoring an RDS database to a specific point-in-time? (choose 2)

1. The database restore overwrites the existing database
2. The default DB security group is applied to the new DB instance
3. Custom DB security groups are applied to the new DB instance
4. You can restore up to the last 5 minutes

Show Answer

Question 65

One of your clients has requested advice on the correct choice of Elastic Load Balancer (ELB) for an application they are planning to deploy on AWS. The application requires extremely high throughput and extremely low latencies. The connections will be made using the TCP protocol and the ELB must support load balancing to multiple ports on an instance. Which ELB would you suggest the client uses?

1. Classic Load Balancer
2. Application Load Balancer
3. Network Load Balancer
4. Route 53

Show Answer