Question 1

You are using an Application Load Balancer (ALB) for distributing traffic for a number of application servers running on EC2 instances. The configuration consists of a single ALB with a single target group. The front-end listeners are receiving traffic for digitalcloud.guru on port 443 (SSL/TLS) and the back-end listeners are receiving traffic on port 80 (HTTP).

You will be installing a new application component on one of the application servers in the existing target group that will process data sent to digitalcloud.guru/orders. The application component will listen on HTTP port 8080 for this traffic.

What configuration changes do you need to make to implement this solution update? (choose 2)

1. Create a new target group and add the EC2 instance to it. Define the protocol as HTTP and the port as 8080
2. Add an additional port to the existing target group and set it to 8080
3. Add a new rule to the existing front-end listener with a Path condition. Set the path condition to /orders and add an action that forwards traffic to the new target group
4. Add an additional front-end listener that listens on port 443 and set a path condition to process traffic destined to the path /orders

Show Answer

Question 2

The operations team in your company are looking for a method to automatically respond to failed system status check alarms that are being received from an EC2 instance. The system in question is experiencing intermittent problems with its operating system software.

Which two steps will help you to automate the resolution of the operating system software issues? (choose 2)

1. Create a CloudWatch alarm that monitors the "StatusCheckFailed_System" metric
2. Create a CloudWatch alarm that monitors the "StatusCheckFailed_Instance" metric
3. Configure an EC2 action that recovers the instance
4. Configure an EC2 action that reboots the instance

Question 3

You are a Solutions Architect for a systems integrator. Your client is growing their presence in the AWS cloud and has applications and services running in a VPC across multiple availability zones within a region. The client has a requirement to build an operational dashboard within their on-premise data center within the next few months. The dashboard will show near real time statistics and therefore must be connected over a low latency, high performance network.

What would be the best solution for this requirement?

1. Use redundant VPN connections to two VGW routers in the region, this should give you access to the infrastructure in all AZs
2. Order multiple AWS Direct Connect connections that will be connected to multiple AZs
3. Order a single AWS Direct Connect connection to connect to the client's VPC. This will provide access to all AZs within the region
4. You cannot connect to multiple AZs from a single location

Question 4

A new mobile application that your company is deploying will be hosted on AWS. The users of the application will use mobile devices to upload small amounts of data on a frequent basis. It is expected that the number of users connecting each day could be over 1 million. The data that is uploaded must be stored in a durable and persistent data store. The data store must also be highly available and easily scalable.

Which AWS services would you use?

1. Redshift
2. Kinesis
3. RDS
4. DynamoDB

Question 5

Your company runs a two-tier application on the AWS cloud that is composed of a web front-end and an RDS database. The web front-end uses multiple EC2 instances in multiple Availability Zones (AZ) in an Auto Scaling group behind an Elastic Load Balancer. Your manager is concerned about a single point of failure in the RDS database layer.

What would be the most effective approach to minimizing the risk of an AZ failure causing an outage to your database layer?

1. Take a snapshot of the database
2. Increase the DB instance size
3. Create a Read Replica of the RDS DB instance in another AZ
4. Enable Multi-AZ for the RDS DB instance

Show Answer

Question 6

You would like to grant additional permissions to an individual ECS application container on an ECS cluster that you have deployed. You would like to do this without granting additional permissions to the other containers that are running on the cluster.

How can you achieve this?

1. You cannot implement granular permissions with ECS containers
2. In the same Task Definition, specify a separate Task Role for the application container
3. Create a separate Task Definition for the application container that uses a different Task Role
4. Use EC2 instances instead as you can assign different IAM roles on each instance

Show Answer

Question 7

Which of the following are characteristics of Amazon API Gateway? (Choose 3)

1. API Gateway handles all of the tasks involved in accepting and processing up to hundreds of thousands of concurrent API calls

2. API Gateway is a web service that gives businesses and web application developers an easy and cost-effective way to distribute content with low latency and high data transfer speeds
3. Throttling can be configured at multiple levels including Global and Service Call
4. API Gateway is a fully managed service that makes it easy for developers to publish, maintain, monitor, and secure APIs at any scale
5. API Gateway is a network service that provides an alternative to using the Internet to connect customers' on-premise sites to AWS

Show Answer

Question 8

You work as a Solutions Architect at Digital Cloud Guru. You are working on a disaster recovery solution that allows you to bring up your applications in another AWS region. Some of your applications run on EC2 instances and have proprietary software configurations with embedded licenses. You need to create duplicate copies of your EC2 instances in the other region.

What would be the best way to do this? (choose 3)

1. Create snapshots of the EBS volumes attached to the instances
2. Copy the snapshots to the other region
3. Create an AMI of each EC2 instance
4. Copy the AMIs to the other region
5. Create new EC2 instances from the snapshots
6. Create new EC2 instances from the AMIs

Show Answer

Question 9

You would like to host a static website for digitalcloud.guru on AWS. You will be using Route 53 to direct traffic to the website. Which of the below steps would help you achieve your objectives? (Choose 2)

1. Create an S3 bucket named digitalcloud.guru
2. Use any existing S3 bucket that has public read access enabled
3. Create a "CNAME" record that points to the S3 bucket

4. Create an "Alias" record that points to the S3 bucket

Show Answer

Question 10

What AWS feature allows you to take backups of Amazon EBS volumes?

1. Amazon Machine Images
2. S3 copy operation
3. Snapshots
4. Instance Stores

Show Answer

Question 11

An application that you will be deploying in your VPC requires 14 EC2 instances that must be placed on distinct underlying hardware to reduce the impact of the failure of a hardware node. The instances will use varying instance types. What configuration will cater to these requirements taking cost-effectiveness into account?

1. Use a Cluster Placement Group within a single AZ
2. Use a Spread Placement Group across two AZs
3. Use dedicated hosts and deploy each instance on a dedicated host
4. You cannot control which nodes your instances are placed on

Show Answer

Question 12

You are a Solutions Architect at Digital Cloud Guru and you have been tasked with designing a new service on AWS. You need to determine which AWS services can log API calls and provide data that can be used for auditing and compliance purposes.

1. Amazon S3
2. CloudTrail
3. Kinesis

4. CloudWatch

Question 13

What two types of security policies are supported by the Elastic Load Balancer for SSL negotiations between the ELB and clients? (Choose 2)

1. Custom security policies
2. ELB predefined Security policies
3. Security groups
4. None of the above

Question 14

An EC2 instance in an Auto Scaling group that has been reported as unhealthy has been marked for replacement. What is the process Auto Scaling uses to replace the instance? (choose 2)

1. Auto Scaling will immediately terminate the instance
2. Auto Scaling has to launch a replacement first before it can terminate the unhealthy instance
3. Auto Scaling will terminate the instance first, and then launch a replacement instance
4. Auto Scaling has to perform rebalancing first, and then terminate the instance

Question 15

An application architect has requested some assistance with selecting a database for a new requirement. The database must provide high performance and scalability. The data will be structured and persistent and the DB must support complex queries using SQL and BI tools.

Which AWS service will you recommend?

1. DynamoDB

2. RDS
3. ElastiCache
4. Redshift

Show Answer

Question 16

Which AWS service can be used to ensure the persistence of in-flight transactions independently of any single application component?

1. CloudFormation
2. DynamoDB
3. ElastiCache
4. SQS

Show Answer

Question 17

Which of the below are valid best practices when implementing AWS IAM? (choose 3)

1. Rotate passwords yearly
2. Create individual IAM users
3. Follow the principle of least privilege when assigning permissions to your IAM users and groups
4. Configure MFA on the root account and for all privileged IAM users
5. Assign passwords and access keys to all users, and ensure they are frequently rotating them
6. Created shared accounts for users with similar needs

Show Answer

Question 18

Your company stores important production data on S3 and you have been asked by your manager to ensure that data is protected from accidental deletion. What are the BEST ways to protect against accidental object deletion for data in an AWS S3 bucket? (choose 3)

1. You do not need to do anything, by default versioning is enabled
2. Use Cross Region Replication to replicate the data to an S3 bucket in another region
3. Enable versioning on the bucket
4. Use lifecycle actions to copy the data into Glacier
5. Copy your objects to another bucket in the same region

Show Answer

Question 19

Which of the statements below are true regarding CloudFormation? (choose 3)

1. Allows you to model your entire infrastructure in a text file
2. It is used to collect and track metrics, collect and monitor log files, and set alarms
3. It provides visibility into user activity by recording actions taken on your account
4. It provides a common language for you to describe and provision all the infrastructure resources in your cloud environment
5. You pay for AWS resources created using AWS CloudFormation in the same manner as if you created them manually

Show Answer

Question 20

You are a Solutions Architect at Digital Cloud Guru. One of your clients is an online media company that attracts a large volume of users to their website each day. The media company are interested in analyzing the user's clickstream data so they can analyze user behavior in real-time and dynamically update advertising. This intelligent approach to advertising should help them to increase conversions.

What would you suggest as a solution to assist them with capturing and analyzing this data?

1. Update the application to write data to an SQS queue, and create an additional application component to analyze the data in the queue and update the website
2. Use Kinesis Data Streams to process and analyze the clickstream data. Store the results in DynamoDB and create an application component that reads the data from the database and updates the website
3. Write the data directly to RedShift and use Business Intelligence tools to analyze the data

4. Use EMR to process and analyze the data in real-time and Lambda to update the website based on the results

Show Answer

Question 21

You have a three-tier web application running on AWS that utilizes Route 53, ELB, Auto Scaling and RDS. One of the EC2 instances that is registered against the ELB fails a health check. What actions will the ELB take in this circumstance?

1. The ELB will terminate the instance that failed the health check
2. The ELB will stop sending traffic to the instance that failed the health check
3. The ELB will instruct Auto Scaling to terminate the instance and launch a replacement
4. The ELB will update Route 53 by removing any references to the instance

Show Answer

Question 22

You are putting together a design for a three-tier web application. The application tier requires a minimum of 6 EC2 instances to be running at all times. You need to provide fault tolerance to ensure that the failure of a single Availability Zone (AZ) will not affect application performance.

Which of the options below is the optimum solution to fulfill these requirements?

1. Create an ASG with 18 instances spread across 3 AZs behind an ELB
2. Create an ASG with 9 instances spread across 3 AZs behind an ELB
3. Create an ASG with 6 instances spread across 3 AZs behind an ELB
4. Create an ASG with 12 instances spread across 4 AZs behind an ELB

Show Answer

Question 23

Your company would like to restrict the ability of most users to change their own passwords whilst continuing to allow a select group of users within specific user groups.

What is the best way to achieve this? (choose 2)

1. Under the IAM Password Policy deselect the option to allow users to change their own passwords
2. Create an IAM Policy that grants users the ability to change their own password and attach it to the groups that contain the users
3. Create an IAM Role that grants users the ability to change their own password and attach it to the groups that contain the users
4. Disable the ability for all users to change their own passwords using the AWS Security Token Service

Show Answer

Question 24

One of your EC2 instances runs an application process that saves user data to an attached EBS volume. The EBS volume was attached to the EC2 instance after it was launched and is unencrypted. You would like to encrypt the data that is stored on the volume as it is considered sensitive however you cannot shutdown the instance due to other application processes that are running.

What is the best method of applying encryption to the sensitive data without any downtime?

1. Create an encrypted snapshot of the current EBS volume. Restore the snapshot to the EBS volume
2. Create and mount a new encrypted EBS volume. Move the data to the new volume and then delete the old volume
3. Unmount the volume and enable server-side encryption. Re-mount the EBS volume
4. Leverage the AWS Encryption CLI to encrypt the data on the volume

Show Answer

Question 25

The application development team in your company have a new requirement for the deployment of a container solution. You plan to the use the AWS Elastic Container Service (ECS). The solution should include load balancing of incoming requests across the ECS containers and allow the containers to use dynamic host port mapping so that multiple tasks from the same service can run on the same container host.

Which AWS load balancing configuration will support this?

1. Use an Application Load Balancer (ALB) and map the ECS service to the ALB
2. Use a Classic Load Balancer (CLB) and create a static mapping of the ports
3. Use a Network Load Balancer (NLB) and host-based routing
4. You cannot run multiple copies of a task on the same instance, because the ports would conflict

[Show Answer]

Question 26

You have an EC2 instance that has an EBS-backed root volume. You have attached a couple of Instance Store-backed volumes which have some important log files on them. What will happen to the data if the instance is stopped?

1. The data will be accessible
2. The data will be deleted
3. You cannot stop and EC2 instance with instance store volumes attached
4. The data is automatically saved as an EBS snapshot

[Show Answer]

Question 27

Your company has offices in several locations around the world. Each office utilizes resources deployed in the geographically closest AWS region. You would like to implement connectivity between all of the VPCs so that you can provide full access to each other's resources. As you are security conscious you would like to ensure the traffic is encrypted and does not traverse the public Internet. The topology should be many-to-many to enable all VPCs to access the resources in all other VPCs.

How can you successfully implement this connectivity using only AWS services? (choose 2)

1. Use software VPN appliances running on EC2 instances
2. Use inter-region VPC peering
3. Implement a fully meshed architecture
4. Implement a hub and spoke architecture

Question 28

You are undertaking a project to make some audio and video files that your company uses for onboarding new staff members available via a mobile application. You are looking for a cost-effective way to convert the files from their current formats into formats that are compatible with smartphones and tablets. The files are currently stored in an S3 bucket.

What AWS service can help with converting the files?

1. MediaConvert
2. Data Pipeline
3. Elastic Transcoder
4. Rekognition

Question 29

The company you work for has a presence across multiple AWS regions. As part of disaster recovery planning you are formulating a solution to provide a regional DR capability for an application running on a fleet of Amazon EC2 instances that are provisioned by an Auto Scaling Group (ASG). The applications are stateless and read and write data to an S3 bucket. You would like to utilize the current AMI used by the ASG as it has some customizations made to it.

What are three steps you might take to enable a regional DR capability for this application? (choose 3)

1. Enable cross region replication on the S3 bucket and specify a destination bucket in the DR region
2. Enable multi-AZ for the S3 bucket to enable synchronous replication to the DR region
3. Modify the permissions of the AMI so it can be used across multiple regions
4. Copy the AMI to the to the DR region
5. Create a new launch configuration for the ASG in the DR region that uses the AMI
6. Modify the launch configuration for the ASG in the DR region and specify the AMI

Question 30

In AWS Identity and Access Management (IAM) which principals can assume a role? (choose 2)

1. User
2. Groups
3. AWS Services
4. VPC

Question 31

You are a Solutions Architect at Digital Cloud Guru. One of your clients runs an application that write data to a DynamoDB table. The client has asked how they can implement a function that runs code in response to item level changes that take place in the DynamoDB table. What would you suggest to the client?

1. Enable server access logging and create an event source mapping between AWS Lambda and the S3 bucket to which the logs are written
2. Enable DynamoDB Streams and create an event source mapping between AWS Lambda and the relevant stream
3. Create a local secondary index that records item level changes and write some custom code that responds to updates to the index
4. Use Kinesis Data Streams and configure DynamoDB as a producer

Question 32

What service can you use to monitor, store and access log files generated by EC2 instances and on-premises servers?

1. CloudTrail
2. OpsWorks

3. CloudWatch Logs
4. Kinesis

Show Answer

Question 33

Which of the statements below are correct about Elastic Block Store volumes? (choose 3)

1. EBS volume data is replicated across multiple servers in an AZ
2. You can attach multiple EBS volumes to an instance
3. You can attach an EBS volume to multiple instances
4. EBS volumes must be in the same AZ as the instances they are attached to
5. Root EBS volumes are retained on termination by default

Show Answer

Question 34

You have a requirement to perform a large-scale testing operation that will assess the ability of your application to scale. You are planning on deploying a large number of c3.2xlarge instances with several PIOPS EBS volumes attached to each. You need to ensure you don't run into any problems with service limits. What are the service limits you need to be aware of in this situation?

1. 20 On-Demand EC2 instances and 100 TiB of aggregate PIOPS volume storage per region
2. 20 On-Demand EC2 instances and 100 PIOPS volumes per region
3. 20 On-Demand EC2 instances and 100 TiB of aggregate PIOPS volume storage per account
4. 20 On-Demand EC2 instances and 100 PIOPS volumes per account

Show Answer

Question 35

Your manager is interested in reducing operational overhead and cost and heard about "serverless" computing at a conference he recently attended. He has asked you if AWS

provide any services that the company can leverage. Which services from the list below would you tell him about? (Choose 3)

1. API Gateway
2. EC2
3. Lambda
4. Kinesis

Show Answer

Question 36

You are designing solutions that will utilize CloudFormation templates and your manager has asked how much extra will it cost to use CloudFormation to deploy resources?

1. There is no additional charge for AWS CloudFormation, you only pay for the AWS resources that are created
2. Amazon charge a flat fee for each time you use CloudFormation
3. CloudFormation is charged per hour of usage
4. The cost is based on the size of the template

Show Answer

Question 37

You are creating a series of environments within a single VPC. You need to implement a system of categorization that allows for identification of EC2 resources by business unit, owner, or environment.

Which AWS feature allows you to do this?

1. Metadata
2. Parameters
3. Tags
4. Custom filters

Show Answer

Question 38

You just attempted to restart a stopped EC2 instance and it immediately changed from a pending state to a terminated state. What are the most likely explanations? (choose 2)

1. You've reached your EBS volume limit
2. An EBS snapshot is corrupt
3. AWS does not currently have enough available On-Demand capacity to service your request
4. You have reached the limit on the number of instances that you can launch in a region

Show Answer

Question 39

Which of the statements below are correct about Elastic Container Service (ECS) tasks?

1. A task definition is required to run Docker containers in Amazon ECS
2. You can use Amazon ECS Run task to run one or more tasks once
3. A task definition is a text file in JSON format that describes one or more container
4. Task definitions use Docker images to launch containers
5. All of the above

Show Answer

Question 40

Select the statements below that are correct with regards to the Auto Scaling cooldown period? (choose 3)

1. It ensures that the Auto Scaling group does not launch or terminate additional EC2 instances before the previous scaling activity takes effect
2. It ensures that before the Auto Scaling group scales out, the EC2 instances can apply system updates
3. It ensures that the Auto Scaling group terminates the EC2 instances that are least busy
4. The default value is 300 seconds
5. The default value is 600 seconds
6. It is a configurable setting for your Auto Scaling group

Question 41

You are putting together the design for a new retail website for a high-profile company. The company has previously been the victim of targeted distributed denial-of-service (DDoS) attacks and have requested that you ensure the design includes mitigation techniques. Which of the following techniques would help with this requirement? (choose 3)

1. Use Spot instances to reduce the cost impact in case of attack
2. CloudFront for distributing both static and dynamic content
3. Use Placement Groups to ensure high bandwidth and low
4. Use an ALB with ASG for your EC2 instances and restrict direct Internet traffic by deploying your RDS DB layer in a private subnet
5. Configure Auto Scaling with a high maximum number of instances to ensure it can scale accordingly
6. Setup alerts in CloudWatch to look for high "Network In" and high CPU utilization

Question 42

One of your clients is a banking regulator and they run an application that provides auditing information to the general public using AWS Lambda and API Gateway. A Royal Commission has exposed some suspect lending practices and this has been picked up by the media and raised concern amongst the general public. With some major upcoming announcements expected you're concerned about traffic spikes hitting the client's application.

How can you protect the backend systems from traffic spikes?

1. Use ElastiCache as the front-end to cache frequent queries
2. Use a CloudFront Edge Cache
3. Enable throttling limits and result caching in API Gateway
4. Put the APIs in an S3 bucket and publish as a static website using CloudFront

Question 43

An application you run on AWS uses an ELB to distributed connections between EC2 instances. You need to record information on the requester, IP, and request type for connections made to the ELB. You will also need to perform some analysis on the log files, which AWS services and configuration options can be used to collect and then analyze the logs? (choose 2)

1. Enable Access Logs on the ELB and store the log files on S3
2. Update the application to use DynamoDB for storing log files
3. Enable Access Logs on the EC2 instances and store the log files on S3
4. Use EMR for analyzing the log files
5. Use Elastic Transcoder to analyze the log files

Show Answer

Question 44

Amazon S3 can send event notification messages to which of the following destinations? (Choose 3)

1. SNS
2. SQS
3. SES
4. SWF
5. Lambda function

Show Answer

Question 45

A colleague has asked you to describe the difference between EC2 Dedicated Hosts and Dedicated Instances. Which of the statements below are accurate descriptions?

1. An EC2 Dedicated Host is a physical server with EC2 instance capacity fully dedicated to your use
2. Dedicated Instances are EC2 instances that run in a VPC on hardware that's dedicated to a single customer
3. Dedicated instances may share hardware with other instances from the same AWS account that are not Dedicated instances

4. Dedicated Hosts can help you address compliance requirements and reduce costs by allowing you to use your existing server-bound software licenses
5. You can configure a VPC to Dedicated tenancy which overrides the setting configured at launch
6. All of the above

Show Answer

Question 46

The application development team in your company have created a new application written in .NET. You are looking for a way to easily deploy the application whilst maintaining full control of the underlying resources.

Which PaaS service provided by AWS would suit this requirement?

1. CloudFront
2. CloudFormation
3. Elastic Beanstalk
4. EC2 Placement Groups

Show Answer

Question 47

You are trying to clean up your unused EBS volumes and snapshots to save some space and cost. How many of the most recent snapshots of an EBS volume need to be maintained to guarantee that you can recreate the full EBS volume from the snapshot?

1. Only the most recent snapshot. Snapshots are incremental, but the deletion process will ensure that no data is lost
2. The oldest snapshot, as this references data in all other snapshots
3. Two snapshots, the oldest and most recent snapshots
4. You must retain all snapshots as the process is incremental and therefore data is required from each snapshot

Show Answer

Question 48

A new financial platform has been re-architected to use Docker containers in a micro-services architecture. The new architecture will be implemented on AWS and you have been asked to recommend the solution configuration. For operational reasons, it will be necessary to access the operating system of the instances on which the containers run.

Which solution delivery option will you select?

1. ECS with the EC2 launch type
2. EKS with Kubernetes managed infrastructure
3. ECS with the Fargate launch type
4. ECS with a default cluster

Show Answer

Question 49

An application running in your on-premise data center writes data to a MySQL database. You are re-architecting the application and plan to move the database layer into the AWS cloud on RDS. You plan to keep the application running in your on-premise data center.

What do you need to do to connect the application to the RDS database via the Internet? (choose 2)

1. Create a DB subnet group that is publicly accessible
2. Select a public IP within the DB subnet group to assign to the RDS instance
3. Choose to make the RDS instance publicly accessible and place it in a public subnet
4. Create a security group allowing access from your public IP to the RDS instance and assign to the RDS instance

Show Answer

Question 50

In the Simple Workflow Service (SWF), what are the various logical elements? (choose 3)

1. Functions
2. Domain

3. Queues
4. Workflow
5. Activities

Show Answer

Question 51

Which statements about EBS volume encryption are true? (choose 2)

1. Encryption operations occur on the EBS block store, ensuring the security of data-at-rest
2. Encryption operations occur on the servers that host EC2 instances, ensuring the security of both data-at-rest and data-in-transit between an instance and its attached EBS storage
3. You cannot change the CMK that is associated with an existing snapshot or encrypted volume
4. EBS encrypts your volume with a data key using the industry-standard AES-128 algorithm

Show Answer

Question 52

An application you manage regularly uploads files from an EC2 instance to S3. The files can be a couple of GB in size and sometimes the uploads are slower than you would like resulting in poor upload times. What method can be used to increase throughput and speed things up?

1. Randomize the object names when uploading
2. Use Amazon S3 multipart upload
3. Upload the files using the S3 Copy SDK or REST API
4. Turn off versioning on the destination bucket

Show Answer

Question 53

You are building a small web application running on EC2 that will be serving static content. What AWS service provides durable storage for static content and would reduce the load on the web server?

1. Amazon S3
2. Amazon EBS volume
3. Amazon CloudFront
4. Amazon RedShift

Show Answer

Question 54

A client has requested a design for a fault tolerant database that can failover between AZs. You have decided to use RDS in a multi-AZ configuration. What type of replication will the primary database use to replicate to the standby instance?

1. Synchronous replication
2. Scheduled replication
3. Asynchronous replication
4. Continuous replication

Show Answer

Question 55

The AWS Acceptable Use Policy describes permitted and prohibited behavior on AWS and includes descriptions of prohibited security violations and network abuse. According to the policy, what is AWS's position on penetration testing?

1. AWS do not allow any form of penetration testing
2. AWS allow penetration testing by customers on their own VPC resources
3. AWS allow penetration for some resources with prior authorization
4. AWS allow penetration testing for all resources

Show Answer

Question 56

You need to run a PowerShell script on a fleet of EC2 instances running Microsoft Windows. The instances have already been launched in your VPC. What tool can be run from the AWS Management Console that will run the script on all target EC2 instances?

1. AWS OpsWorks
2. Run Command
3. AWS Config
4. AWS CodeDeploy

Show Answer

Question 57

You are trying to SSH into an EC2 instance running Linux but cannot connect. The EC2 instance has been launched in a public subnet with an Internet Gateway. Upon investigation you have verified that the instance has a public IP address and that the route table does reference the Internet Gateway correctly. What else needs to be checked to enable connectivity?

1. Check that there is a Bastion Host in the subnet and connect to it first
2. Check that the subnet CIDR block is referenced properly in the route table
3. Check that the Security Groups and Network ACLs have the correct rules configured
4. Check that the VPN is configured correctly

Show Answer

Question 58

You have implement the AWS Elastic File System (EFS) to store data that will be accessed by a large number of EC2 instances. The data is sensitive and you are working on a design for implementing security measures to protect the data. You need to ensure that network traffic is restricted correctly based on firewall rules and access from hosts is restricted by user or group.

How can this be achieved with EFS? (choose 2)

1. Use EFS Security Groups to control network traffic
2. Use AWS Web Application Firewall (WAF) to protect EFS
3. Use POSIX permissions to control access from hosts by user or group

4. Use IAM groups to control access by user or group

Question 59

Which of the statements below is correct about the Amazon S3 One Zone-Infrequent Access storage class? (choose 2)

1. Provides 99.5% availability of S3 objects
2. Provides 99.99% availability of S3 objects
3. Provides 99.99% durability of S3 objects
4. Provides 99.999999999% durability of S3 objects

Question 60

The application development team in your company have developed a Java application and saved the source code in a .war file. They would like to run the application on AWS resources and are looking for a service that can handle the   provisioning and management of the underlying resources it will run on.

What AWS service would allow the developers to upload the Java source code file and provide capacity provisioning and infrastructure management?

1. AWS CodeDeploy
2. AWS Elastic Beanstalk
3. AWS CloudFormation
4. AWS OpsWorks

Question 61

An EC2 instance you manage is generating very high packets-per-second and performance of the application stack is being impacted. You have been asked for a resolution to the issue that results in improved performance from the EC2 instance. What would you suggest?

1. Configure a RAID 1 array from multiple EBS volumes
2. Create a placement group and put the EC2 instance in it
3. Use enhanced networking
4. Add multiple Elastic IP addresses to the instance

Show Answer

Question 62

You are a Solutions Architect at Digital Cloud Guru. A large multi-national client has requested a design for a multi-region database. The master database will be in the EU (Frankfurt) region and databases will be located in 4 other regions to service local read traffic. The database should be a fully managed service including the replication.

Which AWS service can deliver these requirements?

1. RDS with Multi-AZ
2. RDS with cross-region Read Replicas
3. DynamoDB with Global Tables and Cross Region Replication
4. EC2 instances with EBS replication

Show Answer

Question 63

When using Amazon Kinesis, where can a consumer store their results? (choose 3)

1. SQS
2. S3
3. DynamoDB
4. RedShift

Show Answer

Question 64

Which AWS services can be used to automate the release process of your serverless Lambda applications? (choose 2)

1. AWS CodePipeline
2. AWS Cognito
3. AWS CodeDeploy
4. AWS OpsWorks

Show Answer

Question 65

You need to run a production process that will use several EC2 instances and run constantly on an ongoing basis. The process cannot be interrupted or restarted without issue. What EC2 pricing model would be best for this workload?

1. Reserved instances
2. Spot instances
3. On-demand instances
4. Flexible instances

Show Answer