QUESTION 1

Amazon EC2 provides a repository of public data sets that can be seamlessly integrated into AWS cloud-based applications. What is the monthly charge for using the public data sets?

A.   1 time charge of 1$ for all the datasets.

B.   1$ per dataset per month

C.   10 $ per month for all datasets

D.   There is no charge for using public data sets

QUESTION 2

An instance can have many states that perform part of its lifecycle? Choose 3 options which are correct states of an instance lifecycle

A.   rebooting

B.   pending

C.   running

D.   Shutdown

QUESTION 3

In VPCs with private and public subnets, database servers should ideally be launched into:

A.   The public subnet

B.   The private subnet

C.   Either of them

D.   Not recommended, they should ideally be launched outside VPC

QUESTION 4

Which of the following can be used as an origin server in CloudFront? Choose 3 answers from the options given below.

A.   A webserver running on EC2

B.   A webserver running in your own datacenter

C.   A RDS instance

D.   An Amazon S3 bucket

QUESTION 5

You have written a CloudFormation template that creates 1 elastic load balancer fronting 2 EC2 instances. Which section of the template should you edit so that the DNS of the load balancer is returned upon
creation of the stack?

A. Resources

B. Parameters

C. Outputs

D . Mappings

QUESTION 6

Is it true that EBS can always tolerate an Availability Zone failure?

A.   No, all EBS volume is stored in a single Availability Zone

B. Yes, EBS volume has multiple copies so it should be fine
C. Depends on how it is setup
D. Depends on the Region where EBS volume is initiated

QUESTION 7

A company has configured and peered two VPCs: VPC-1 and VPC-2. VPC-1 contains only private subnets, and VPC-2 contains only public subnets. The company uses a single AWS Direct Connect connection and private virtual interface to connect their on-premises network with VPC-1. Which two methods increases the fault tolerance of the connection to VPC-1? (Choose two.)

A.   Establish a hardware VPN over the internet between VPC-2 and the on-premises network.

B.   Establish a hardware VPN over the internet between VPC-1 and the on-premises network.

C.   Establish a new AWS Direct Connect connection and private virtual interface in the same region as VPC-2.

D.   Establish a new AWS Direct Connect connection and private virtual interface in a different AWS region than VPC-1.

E.   Establish a new AWS Direct Connect connection and private virtual interface in the same AWS region as VPC-1

QUESTION 8

Which of the following benefits does adding Multi-AZ deployment in RDS provide? Choose 2 answers from the options given below

A.   MultiAZ deployed database can tolerate an Availability Zone failure
B.   Decrease latencies if app servers accessing database are in multiple Availability zones
C.   Make database access times faster for all app servers
D.   Make database more available during maintenance tasks

QUESTION 9

By default, what happens to data when an EC2 instance terminates ? Select 3 options

A.   For EBS backed AMI, the root EBS volume with operating system preserved by default.
B.   For EBS backed AMI, any volume attached apart from the OS volume is preserved
C.   All the snapshots of the EBS volume with operating system is preserved
D.   For S3 backed AMI, all the data in the local (ephemeral) hard drive is deleted

QUESTION 10

A company has the following EC2 instance configuration. They are trying to connect to the

instance from the internet. They have verified the existence of the Internet gateway and the route tables are in place. What could be the issue?

A.   It's launched in the wrong Availability Zone

B.   The AMI used to launch the instance cannot be accessed from the internet

C.   The private IP is wrongly assigned

D.   There is no Elastic IP Assigned

QUESTION 11

You have built an AMI. Another AWS account holder wants to use your AMI, but is not able to access it. What could be the issue? Below is the settings of the AMI in the AWS Console.

A.   It is not possible to share AMI's

C.   The Owner of AMI needs to be changed

D.   The AMI ID does not allow sharing

QUESTION 12

A customer is running a multi-tier web application farm in a virtual private cloud (VPC) that is not connected to their corporate network. They are connecting to the VPC over the Internet to manage all of their Amazon EC2 instances running in both the public and private subnets. They have only authorized the bastion-security-group with Microsoft Remote Desktop Protocol (RDP) access to the application instance security groups, but the company wants to further limit administrative access to all of the instances in the VPC. Which of the following Bastion deployment scenarios will meet this requirement?

A.   Deploy a Windows Bastion host on the corporate network that has RDP access to all instances in the VPC

B.   Deploy a Windows Bastion host with an Elastic IP address in the public subnet and allow SSH access to the   bastion from anywhere.

C.   Deploy a Windows Bastion host with an Elastic IP address in the private subnet, and restrict RDP access to the bastion from only the corporate public IP addresses.

D.   Deploy a Windows Bastion host with an auto-assigned Public IP address in the public subnet, and allow RDP access to the bastion from only the corporate public IP addresses.

QUESTION 13

Which of the below features allows you to take backups of your EBS volumes? Choose one answer from the options given below.

A. Volumes
B. State Manager
C. Placement Groups
D. Snapshots

QUESTION 14

A company wants to host a selection of MongoDB instances. They are expecting a high load and want to have as low latency as possible. Which class of instances from the below list should they choose from.

A. T2
B. I2
C. T1
D. G2

QUESTION 15

Which of the below elements can you manage in the IAM dashboard?Choose 3 answers from the options given below

A. Users
B. Encryption Keys
C. Cost Allocation Reports
D. Policies

QUESTION 16

What are the languages currently supported by AWS Lamda? Choose 3 answers from the options given below

A. Node.js
B. Angular JS
C. Java
D. Python

QUESTION 17

A photo-sharing service stores pictures in Amazon Simple Storage Service (S3) and allows application sign-in using an OpenID Connectcompatible identity provider. Which AWS Security Token Service approach to temporary access should you use for the Amazon S3 operations?

A. SAML-based Identity Federation

B.   Cross-Account Access

C.   AWS Identity and Access Management roles

D.   Web Identity Federation

QUESTION 18

A customer needs corporate IT governance and cost oversight of all AWS resources consumed by its divisions. The divisions want to maintain administrative control of the discrete AWS resources they consume and keep those resources separate from the resources of other divisions. Which of the following options, when used together will support the autonomy/control of divisions while enabling corporate IT to maintain governance and cost oversight? Choose two answers from the options given below

A.   Use AWS Consolidated Billing and disable AWS root account access for the child accounts.

B.   Enable IAM cross-account access for all corporate IT administrators in each child account.

C.   Create separate VPCs for each division within the corporate IT AWS account.

D.   Use AWS Consolidated Billing by creating AWS Organisations tolink the divisions' accounts to a parent corporateaccount.

E.   Write all child AWS CloudTrail and Amazon CloudWatch logs to each child account's Amazon S3 'Log' bucket

QUESTION 19

In Cloudtrail, where does it store all of the logs that it creates? Chooseone answer from the options given below.

A.   A separate EC2 instance with EBS storage

B.   A RDS instance

C.   A DynamoDB instance

D.   Amazon S3

QUESTION 20

A company has a workflow that sends video files from their onpremise system to AWS for transcoding. They use EC2 worker instances that pull transcoding jobs from SQS. Why is SQS an appropriate service for this scenario?

A.   SQS guarantees the order of the messages.

B.   SQS synchronously provides transcoding output.

C.   SQS checks the health of the worker instances.

D.   SQS helps to facilitate horizontal scaling of encoding tasks

QUESTION 21

In the event of an unplanned outage of your primary DB, AWS RDS automatically switches over to the secondary. In such a case which record in Route 53 is changed? Select one answer from the options given below

A.   DNAME

B.   CNAME

C.   TXT

D.   MX

QUESTION 22

Which of the below resources cannot be tagged in AWS

A.   Images
B.   EBS Volumes
C.   Elastic IP
D.   VPC

QUESTION 23

What is the key aspect for the below AMI image. Choose one answer from the options below

A.   Since it's a EBS volume AMI , it is special in nature
B.   Since it's a Linux based AMI , it is special in nature
C.   Since it's a HVM based AMI , it is special in nature
D.   Since it's a NAT based AMI , it is special in nature

QUESTION 24

What type of monitoring for EBS volumes is available automatically in 5 minute periods at no charge?

A.   Basic
B.   Primary
C.   Detailed
D.   Local

QUESTION 25

There is a company website that is going to be launched in the coming weeks. There is a probability that the traffic will be quite high in the first couple of weeks. In the event of a load failure, how can you set up DNS failover to a static website? Choose the correct answer from the options given below.

A.   Duplicate the exact application architecture in another region and configure DNS weight-based routing

B.   Enable failover to an on-premise data center to the application hosted there.

C.   Use Route 53 with the failover option to failover to a static S3 website bucket or CloudFront distribution.

D.   Add more servers in case the application fails.

QUESTION 26

What is one of the major advantages of having a VPN in AWS?

A.   You don't have to worry about security, this is managed by AWS.

B.   You can connect your cloud resources to on-premise data centers using VPN connections
C.   You can provision unlimited number of S3 resources
D.   None of the above

QUESTION 27

One of your instances is reporting an unhealthy system status check. However, this is not something you should have to monitor and repair on your own. How might you automate the repair of the system status check failure in an AWS environment? Choose the correct answer from the options given below

A.   Create CloudWatch alarms that stop and start the instance based off of status check alarms
B.   Write a script that queries the EC2 API for each instance status check
C.   Write a script that periodically shuts down and starts instances based on certain stats.
D.   Implement a third party monitoring tool.

QUESTION 28

A company is running three production web server reserved EC2 instances with EBS-backed root volumes. These instances have a consistent CPU load of 80%. Traffic is being distributed to these instances by an Elastic Load Balancer. They also have production and development Multi-AZ RDS MySQL databases. What recommendation would you make to reduce cost in this environment without affecting availability of mission-critical systems? Choose the correct answer from the options given below

A.   Consider using on-demand instances instead of reserved EC2 instances
B.   Consider not using a Multi-AZ RDS deployment for the development database
C.   Consider using spot instances instead of reserved EC2 instances
D.   Consider removing the Elastic Load Balancer

QUESTION 29

A company has assigned two web server instances in a VPC subnet to an Elastic Load Balancer (ELB). However, the instances and the ELB are not reachable via URL to the Elastic Load Balancer (ELB). How can you resolve the issue so that your web server instances can start serving the web app data to the public Internet? Choose the correct answer from the options given below

A.   Attach an Internet gateway to the VPC and route it to the subnet
B.   Add an elastic IP address to the instance

C.   Use Amazon Elastic Load Balancer to serve requests to yourinstances located in the internal subnet

D.   None of the above

QUESTION 30

A company has EC2 instances running in AWS. The EC2 instances are running via an Autoscaling solution. There is a lot of requests being lost because of the load on the servers. The Autoscaling solution is launching new instances to take the load but there are still some requests which are being lost. Which of the following is likely to provide the most cost-effective solution to avoid losing recently submitted requests? Choose the correct answer from the options given below

A.   Use an SQS queue to decouple the application components

B.   Keep one extra EC2 instance always powered on in case a spike occurs

C.   Use larger instances for your application

D.   Pre-warm your Elastic Load Balancer

QUESTION 31

After migrating an application architecture from on-premise to AWS you will not be responsible for the ongoing maintenance of packagesfor which of the following AWS services that your application uses. Choose the 2 correct answers from the options below.

A.   Elastic Beanstalk

B.   RDS

C.   DynamoDB

D.   EC2

QUESTION 32

What is the difference between an availability zone and an edge location? Choose the correct answer from the options below

A.   Edge locations are used as control stations for AWS resources

B.   An edge location is used as a link when building load balancingbetween regions

C.   An availability zone is an Amazon resource within an AWS region;an edge location will deliver cached content to the closest location toreduce latency

D.   An availability zone is a grouping of AWS resources in a specific region; an edge location is a specific resource within the AWS region

QUESTION 33

When storing sensitive data on the cloud which of the below options should be carried out on AWS?

Choose 3 answers from the options given below.

A.   With AWS you do not need to worry about encryption

B.   Enable EBS Encryption

C.   Encrypt the file system on an EBS volume using Linux tools

D.   Enable S3 Encryption

QUESTION 34

What is an AWS service which can help protect web applications from common security threats from the outside world? Choose one answer from the options below

A.   NAT

B.   WAF

C.   SQS

D.   SES

QUESTION 35

Your supervisor asks you to create a decoupled application whose process includes dependencies on EC2 instances and servers located in your company's on-premises data center. Which of these are you

least likely to recommend as part of that process? Choose the correct answer from the options below:

A.   SQS polling from an EC2 instance deployed with an IAM role

B.   An SWF workflow

C.   SQS polling from an EC2 instance using IAM user credentials

D.   SQS polling from an on-premises server using IAM user

QUESTION 36

An EC2 instance retrieves a message from an SQS queue, begins processing the message, then crashes. What happens to the message? Choose the correct answer from the options below:

A.   Before the message visibility timeout expires, the messagebecomes available for processing by other EC2 instances

B.   It will remain in the queue and still assigned to same EC2 instances when instances become online within visibility timeout.

C.   The message is deleted and becomes duplicated when the EC2 instance comes online

QUESTION 37

You are running an instance store based instance. You shutdown and then start the instance. You then notice that the data which you have saved earlier is no longer available. What might be the cause of this? Choose the correct answer from the options below

A.   The volume was not big enough to handle all of the processingdata

B.   The EC2 instance was using EBS backed root volumes, which are ephemeral and only live for the life of the instance

C.   The EC2 instance was using instance store volumes, which are ephemeral and only live for the life of the instance

D.   The instance might have been compromised

QUESTION 38

You have been told that you need to set up a bastion host by your manager in the cheapest, most secure way, and that you should be the only person that can access it via SSH. Which of the following setups would satisfy your manager's request? Choose the correct answer from the options below

A.   A small EC2 instance and a security group which only allows access on port 22 via your IP address

B.   A large EC2 instance and a security group which only allows access on port 22 via your IP address

C.   A large EC2 instance and a security group which only allows access on port 22

D.   A small EC2 instance and a security group which only allows access on port 22

QUESTION 39

Which of the following are Invalid VPC peering configurations? Choose 3 answers from the options below

A.   Overlapping CIDR blocks

B.   Transitive Peering

C.   Edge to Edge routing via a gateway

D.   One to one relationship between 2 VPC's

QUESTION 40

You've been tasked with building out a duplicate environment in another region for disaster recovery purposes. Part of your environment relies on EC2 instances with preconfigured software. What steps would you take to configure the instances in another region? Choose the correct answer from the options below

A.   Create an AMI of the EC2 instance

B.   Create an AMI of the EC2 instance and copy the AMI to the desired region

C.   Make the EC2 instance shareable among other regions through IAM permissions

D.   None of the above

QUESTION 41

In order to establish a successful site-to-site VPN connection from your on-premise network to the VPC (Virtual Private Cloud), which of the following needs to be configured outside of the VPC? Choose the

correct answer from the options below

A.   The main route table to route traffic through a NAT instance

B.   A public IP address on the customer gateway for the on-premisenetwork

C.   A dedicated NAT instance in a public subnet

D.   An Elastic IP address to the Virtual Private Gateway

QUESTION 42

You have 5 CloudFormation templates. Each template has been defined for a specific purpose. What determines the cost of using the CloudFormation templates? Choose the correct answer from the options below

A. $1.10 per template per month

B.   The length of time it takes to build the architecture withCloudFormation

C.   It depends on the region the template is created in

D.   CloudFormation does not have a cost but you are charged for the underlying resources it builds

QUESTION 43

Does S3 provide read-after-write consistency for new objects? Choose the correct answer from the options below

A.   Yes, for all regions

B.   No, not for any region

C.   Yes, but only for certain regions and for new objects

D.   Yes, but only for certain regions, not the us-standard region

QUESTION 44

Your organization has been using a HSM (Hardware Security Module) for secure key storage. It is only used for generating keys for your EC2 instances. Unfortunately, the HSM has been zeroized after someone attempted to log in as the administrator three times using an invalid password. This means that the encryption keys on it have been wiped. You did

not have a copy of the keys stored anywhere else. How can you obtain a new copy of the keys that you had stored on HSM? Choose the correct answer from the options below

A.   You cannot; the keys are lost if you did not have a copy.

B.   Contact AWS Support; your incident will be routed to the teamthat supports AWS CloudHSM and a copy of the keys will be sent to youafter verification

C.   Restore a snapshot of the HSM

D.   You can still connect via CLI; use the command 'get-clientconfiguration' and you can get a copy of the keys

QUESTION 45

What service from AWS can help manage the budgets for all resources in AWS? Choose one answer from the options below

A.   Cost Explorer

B.   Cost Allocation Tags

C.   AWS Budgets

D.   Payment History

QUESTION 46

A customer wants to leverage Amazon Simple Storage Service (S3) and Amazon Glacier as part of their

backup and archive infrastructure. T he customer plans to use thirdparty software to support this integration. Which approach will limit the access of the third party software to only the Amazon S3 bucket named "company-backup"?

A.   A custom bucket policy limited to the Amazon S3 API in the Amazon Glacier archive "company-backup"

B.   A custom bucket policy limited to the Amazon S3 API in"company-backup"

C.   A custom IAM user policy limited to the Amazon S3 API for the Amazon Glacier archive "companybackup".

D.   A custom IAM user policy limited to the Amazon S3 API in "company-backup"

QUESTION 47

Currently you're helping design and architect a highly available application. After building the initial environment, you've found that part of your application does not work correctly until port 443 is added to the security group. After adding port 443 to the appropriate security group, how much time will it take before the changes are applied and the application begins working correctly? Choose the correct answer from the options below

A.   Generally, it takes 2-5 minutes in order for the rules to propagate

B.   Immediately after a reboot of the EC2 instances belong to thatsecurity group

C.   Changes apply instantly to the security group, and the application should be able to respond to 443 requests

D.   It will take 60 seconds for the rules to apply to all availability zones within the region

QUESTION 48

Which of the following services allow the administrator access to the underlying operating system?

Choose the 2 correct answers from the options below

A.   Amazon RDS

B.   Amazon EMR

C.   Amazon EC2

D.   DynamoDB

QUESTION 49

Besides regions and their included availability zones, which of the following is another "regional" data center location used for content distribution? Choose the correct answer from the options below

A.   Edge Location

B.   Front Location

C.   Backend Location

D.   Cloud Location

QUESTION 50

What are the main benefits of IAM groups? Choose 2 answers from the options below

A.   Ability to create custom permission policies.

B.   Allow for EC2 instances to gain access to S3.

C.   Easier user/policy management.

D.   Assign IAM permission policies to more than one user at a time.

QUESTION 51

API Access Keys are required to make programmatic call to AWS from which of the following? Choose the 3 correct answers from the options below

A.   Windows PowerShell

B.   Managing AWS resources through the AWS console

C.   Direct HTTP call using the API

D.   AWS CLI

QUESTION 52

A customer is leveraging Amazon Simple Storage Service in eu-west-1 to store static content for a web-based property. The customer is storing objects using the Standard Storage class. Where are the customers objects replicated?

A.   A single facility in eu-west-1 and a single facility in eu-central-1

B.   A single facility in eu-west-1 and a single facility in us-east-1

C.   Multiple facilities in eu-west-1

D.   A single facility in eu-west-1

QUESTION 53

How are Network access rules evaluated? Choose the correct answer from the options below

A.   Rules are evaluated by rule number, from highest to lowest, and executed immediately when a matching allow/deny rule is found.

B.   All rules are evaluated before any traffic is allowed or denied.

C.   Rules are evaluated by rule number, from lowest to highest, and executed immediately when a matching allow/deny rule is found.

D.   Rules are evaluated by rule number, from lowest to highest, and executed after all rules are checked for conflicting allow/deny rules.

QUESTION 54

A company is building a two-tier web application to serve dynamic transaction-based content. The data tier is leveraging an Online Transactional Processing (OLTP) database. What services should you leverage to enable an elastic and scalable web tier?

A.   Elastic Load Balancing, Amazon EC2, and Auto Scaling

B.   Elastic Load Balancing, Amazon RDS with Multi-AZ, and Amazon S3

C.   Amazon RDS with Multi-AZ and Auto Scaling

D.   Amazon EC2, Amazon DynamoDB, and Amazon S3

QUESTION 55

What are three attributes of DynamoDB? Choose the 3 correct answers from the options below

A.   Used for data warehousing

B.   A NoSQL database platform

C.   Uses key-value store

D.   Fully-managed

QUESTION 56

If you cannot connect to your Ec2 instance via remote desktop, and you have already verified the instance has a public IP and the Internet gateway and route tables are in place,

what should you check next? Choose one answer from the options given below

A.   Adjust the security group to allow traffic from port 22
B.   Adjust the security group to allow traffic from port 3389
C.   Restart the instance since there might be some issue with the instance
D.   Create a new instance since there might be some issue with the instance

QUESTION 57

What database service should you choose if you need petabyte-scale data warehousing? Choose the correct answer from the options below

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

QUESTION 58

Which feature in AWS allows 2 VPC's to talk to each other? Choose one answer from the options given below

A.   VPC Connection
B.   VPN Connection
C.   Direct Connect
D.   VPC Peering

QUESTION 59

In AWS Security Groups what are the 2 types of rules you can define? Select 2 options.

A.   Inbound
B.   Transitional
C.   Bi-Directional
D.   Outbound

QUESTION 60

When using the following AWS services, which should be implemented in multiple Availability Zones for high availability solutions? Choose 2 answers

A.   Amazon DynamoDB
B.   Amazon Elastic Compute Cloud (EC2)
C.   Amazon Elastic Load Balancing

D.   Amazon Simple Notification Service (SNS)

E.   Amazon Simple Storage Service (S3)

ANSWERS:

1 D

2A,B &C

3 B

4 A,B & C

5 C

6 A

7 B and C

8 A and D

9 B,C and D

10 D

11 B

12 D

13 D

14 B

15 A,B and D

16 A,C and D

17 D

18 B and D

19 D

20 D

21 B

22 C

23 D

24 A

25 C

26 B

27 A

28 B

29 A

30 A

31 B and C

32 C

33 B,C and D
34 B
35 C
36 B
37 C
38 A
39 A,B and C
40 B
41 B
42 D
43 A
44 A
45 C
46 D
47 C
48 B and C
49 A
50 C and D
51 A,C and D
52 C
53 C
54 A
55 B,C and D
56 B
57 D
58 D
59 A and D
60 B and C