

## AWS-SysOps Dumps

### AWS Certified SysOps Administrator Associate

<https://www.certleader.com/AWS-SysOps-dumps.html>



**NEW QUESTION 1**

Your team is excited about the use of AWS because now they have access to programmable Infrastructure. You have been asked to manage your AWS infrastructure in a manner similar to the way you might manage application code. You want to be able to deploy exact copies of different versions of your infrastructure, stage changes into different environments, revert back to previous versions, and identify what versions are running at any particular time (development, test, QA, production).

Which approach addresses this requirement?

- A. Use cost allocation reports and AWS Opsworks to deploy and manage your infrastructure
- B. Use AWS CloudWatch metrics and alerts along with resource tagging to deploy and manage your infrastructure
- C. Use AWS Beanstalk and a version control system like GIT to deploy and manage your infrastructure
- D. Use AWS CloudFormation and a version control system like GIT to deploy and manage your infrastructure

**Answer: B**

**Explanation:** Reference:

<http://aws.amazon.com/opsworks/faqs/>

**NEW QUESTION 2**

What would happen to an RDS (Relational Database Service) multi-Availability Zone deployment of the primary DB instance fails?

- A. The IP of the primary DB instance is switched to the standby DB instance
- B. The RDS (Relational Database Service) DB instance reboots
- C. A new DB instance is created in the standby availability zone
- D. The canonical name record (CNAME) is changed from primary to standby

**Answer: D**

**NEW QUESTION 3**

Your EC2-Based Multi-tier application includes a monitoring instance that periodically makes application-level read-only requests of various application components and if any of those fail more than three times 30 seconds calls CloudWatch to fire an alarm, and the alarm notifies your operations team by email and SMS of a possible application health problem. However, you also need to watch the watcher -the monitoring instance itself - and be notified if it becomes unhealthy.

Which of the following is a simple way to achieve that goal?

- A. Run another monitoring instance that pings the monitoring instance and fires a CloudWatch alarm that notifies your operations team should the primary monitoring instance become unhealthy
- B. Set a CloudWatch alarm based on EC2 system and instance status checks and have the alarm notify your operations team of any detected problem with the monitoring instance
- C. Set a CloudWatch alarm based on the CPU utilization of the monitoring instance and have the alarm notify your operations team if the CPU usage exceeds 50% for more than one minute; then have your monitoring application go into a CPU-bound loop should it detect any application problem
- D. Have the monitoring instances post messages to an SQS queue and then dequeue those messages on another instance; should the queue cease to have new messages, the second instance should first terminate the original monitoring instance, start another backup monitoring instance, and assume the role of the previous monitoring instance, beginning adding messages to the SQS queue

**Answer: D**

**NEW QUESTION 4**

When preparing for a compliance assessment of your system built inside of AWS, what are three best-practices for you to prepare for an audit?

Choose 3 answers

- A. Gather evidence of your IT operational controls
- B. Request and obtain applicable third-party audited AWS compliance reports and certifications
- C. Request and obtain a compliance and security tour of an AWS data center for a pre-assessment security review
- D. Request and obtain approval from AWS to perform relevant network scans and in-depth penetration tests of your system's instances and endpoints
- E. Schedule meetings with AWS's third-party auditors to provide evidence of AWS compliance that maps to your control objectives

**Answer: ABD**

**NEW QUESTION 5**

You use S3 to store critical data for your company. Several users within your group currently have full permissions to your S3 buckets. You need to come up with a solution that does not impact your users and also protect against the accidental deletion of objects.

Which two options will address this issue? Choose 2 answers

- A. Enable versioning on your S3 Buckets
- B. Configure your S3 Buckets with MFA delete
- C. Create a Bucket policy and only allow read-only permissions to all users at the bucket level
- D. Enable object life cycle policies and configure the data older than 3 months to be archived in Glacier

**Answer: AB**

**NEW QUESTION 6**

You need to design a VPC for a web-application consisting of an Elastic Load Balancer (ELB), a fleet of web/application servers, and an RDS database. The entire infrastructure must be distributed over 2 availability zones.

Which VPC configuration works while assuring the database is not available from the Internet?

- A. One public subnet for ELB one public subnet for the web-servers, and one private subnet for the database
- B. One public subnet for ELB two private subnets for the web-servers, two private subnets for RDS
- C. Two public subnets for ELB two private subnets for the web-servers and two private subnets for RDS
- D. Two public subnets for ELB two public subnets for the web-servers, and two public subnets for RDS

**Answer:** A

#### NEW QUESTION 7

You have a server with a 500GB Amazon EBS data volume. The volume is 80% full. You need to back up the volume at regular intervals and be able to re-create the volume in a new Availability Zone in the shortest time possible. All applications using the volume can be paused for a period of a few minutes with no discernible user impact.

Which of the following backup methods will best fulfill your requirements?

- A. Take periodic snapshots of the EBS volume
- B. Use a third party Incremental backup application to back up to Amazon Glacier
- C. Periodically back up all data to a single compressed archive and archive to Amazon S3 using a parallelized multi-part upload
- D. Create another EBS volume in the second Availability Zone attach it to the Amazon EC2 instance, and use a disk manager to mirror the two disks

**Answer:** D

**Explanation:** Reference:

<http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/ebs-creating-snapshot.html>

#### NEW QUESTION 8

Your entire AWS infrastructure lives inside of one Amazon VPC. You have an Infrastructure monitoring application running on an Amazon instance in Availability Zone (AZ) A of the region, and another application instance running in AZ B. The monitoring application needs to make use of ICMP ping to confirm network reachability of the instance hosting the application.

Can you configure the security groups for these instances to only allow the ICMP ping to pass from the monitoring instance to the application instance and nothing else? If so how?

- A. No. Two instances in two different AZ's can't talk directly to each other via ICMP ping as that protocol is not allowed across subnet (ie broadcast) boundaries
- B. Yes. Both the monitoring instance and the application instance have to be a part of the same security group, and that security group needs to allow inbound ICMP
- C. Yes. The security group for the monitoring instance needs to allow outbound ICMP and the application instance's security group needs to allow Inbound ICMP
- D. Yes. Both the monitoring instance's security group and the application instance's security group need to allow both inbound and outbound ICMP ping packets since ICMP is not a connection-oriented protocol

**Answer:** D

#### NEW QUESTION 9

You are running a web-application on AWS consisting of the following components: an Elastic Load Balancer (ELB), an Auto-Scaling Group of EC2 instances running Linux/PHP/Apache, and Relational Database Service (RDS) MySQL.

Which security measures fall into AWS's responsibility?

- A. Protect the EC2 instances against unsolicited access by enforcing the principle of least-privilege access
- B. Protect against IP spoofing or packet sniffing
- C. Assure all communication between EC2 instances and ELB is encrypted
- D. Install latest security patches on EL
- E. RDS and EC2 instances

**Answer:** B

#### NEW QUESTION 10

When assessing an organization's use of AWS API access credentials, which of the following three credentials should be evaluated?

Choose 3 answers

- A. Key pairs
- B. Console passwords
- C. Access keys
- D. Signing certificates
- E. Security Group memberships

**Answer:** ACD

**Explanation:** Reference:

[http://media.amazonwebservices.com/AWS\\_Operational\\_Checklists.pdf](http://media.amazonwebservices.com/AWS_Operational_Checklists.pdf)

#### NEW QUESTION 10

You have a web application leveraging an Elastic Load Balancer (ELB) in front of the web servers deployed using an Auto Scaling Group. Your database is running on Relational

Database Service (RDS). The application serves out technical articles and responses to them. In general, there are more views of an article than there are responses to the article. On occasion, an article on the site becomes extremely popular, resulting in significant traffic increases that cause the site to go down.

What could you do to help alleviate the pressure on the infrastructure while maintaining availability during these events?

Choose 3 answers

- A. Leverage CloudFront for the delivery of the article

- B. Add RDS read-replicas for the read traffic going to your relational database
- C. Leverage ElastiCache for caching the most frequently used dat
- D. Use SOS to queue up the requests for the technical posts and deliver them out of the queu
- E. Use Route53 health checks to fail over to an S3 bucket for an error pag

**Answer:** ACE

#### NEW QUESTION 11

You are tasked with the migration of a highly trafficked Node JS application to AWS In order to comply with organizational standards Chef recipes must be used to configure the application servers that host this application and to support application lifecycle events.

Which deployment option meets these requirements while minimizing administrative burden?

- A. Create a new stack within Opsworks add the appropriate layers to the stack and deploy the application
- B. Create a new application within Elastic Beanstalk and deploy this application to a new environment
- C. Launch a Mode JS server from a community AMI and manually deploy the application to the launched EC2 instance
- D. Launch and configure Chef Server on an EC2 instance and leverage the AWS CLI to launch application servers and configure those instances using Che

**Answer:** B

**Explanation:** Reference:

<http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.deployment.html>

#### NEW QUESTION 15

What is a placement group?

- A. A collection of Auto Scaling groups in the same Region
- B. Feature that enables EC2 instances to interact with each other via nigh bandwidth, low latency connections
- C. A collection of Elastic Load Balancers in the same Region or Availability Zone
- D. A collection of authorized Cloud Front edge locations for a distribution

**Answer:** B

**Explanation:** Reference:

<http://aws.amazon.com/ec2/faqs/>

#### NEW QUESTION 19

You are currently hosting multiple applications in a VPC and have logged numerous port scans coming in from a specific IP address block. Your security team has requested that all access from the offending IP address block be denied for the next 24 hours.

Which of the following is the best method to quickly and temporarily deny access from the specified IP address block?

- A. Create an AD policy to modify Windows Firewall settings on all hosts in the VPC to deny access from the IP address block
- B. Modify the Network ACLs associated with all public subnets in the VPC to deny access from the IP address block
- C. Add a rule to all of the VPC 5 Security Groups to deny access from the IP address block
- D. Modify the Windows Firewall settings on all Amazon Machine Images (AMIs) that your organization uses in that VPC to deny access from the IP address block

**Answer:** B

**Explanation:** Reference:

[http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC\\_SecurityGroups.html](http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/VPC_SecurityGroups.html)

#### NEW QUESTION 24

The majority of your Infrastructure is on premises and you have a small footprint on AWS Your company has decided to roll out a new application that is heavily dependent on low latency connectivity to LOAP for authentication Your security policy requires minimal changes to the company's existing application user management processes.

What option would you implement to successfully launch this application1?

- A. Create a second, independent LOAP server in AWS for your application to use for authentication
- B. Establish a VPN connection so your applications can authenticate against your existing on-premises LDAP servers
- C. Establish a VPN connection between your data center and AWS create a LDAP replica on AWS and configure your application to use the LDAP replica for authentication
- D. Create a second LDAP domain on AWS establish a VPN connection to establish a trust relationship between your new and existing domains and use the new domain for authentication

**Answer:** D

**Explanation:** Reference:

<http://msdn.microsoft.com/en-us/library/azure/jj156090.aspx>

#### NEW QUESTION 28

Your organization's security policy requires that all privileged users either use frequently rotated passwords or one-time access credentials in addition to username/password.

Which two of the following options would allow an organization to enforce this policy for AWS users?

Choose 2 answers

- A. Configure multi-factor authentication for privileged 1AM users
- B. Create 1AM users for privileged accounts
- C. Implement identity federation between your organization's Identity provider leveraging the 1AM Security Token Service
- D. Enable the 1AM single-use password policy option for privileged users

**Answer:** CD

#### NEW QUESTION 32

If you want to launch Amazon Elastic Compute Cloud (EC2) Instances and assign each Instance a predetermined private IP address you should:

- A. Assign a group or sequential Elastic IP address to the instances
- B. Launch the instances in a Placement Group
- C. Launch the instances in the Amazon virtual Private Cloud (VPC).
- D. Use standard EC2 instances since each instance gets a private Domain Name Service (DNS) already
- E. Launch the Instance from a private Amazon Machine image (Mil)

**Answer:** C

**Explanation:** Reference:

<http://docs.aws.amazon.com/AmazonVPC/latest/UserGuide/vpc-ip-addressing.html>

#### NEW QUESTION 37

Your company Is moving towards tracking web page users with a small tracking Image loaded on each page Currently you are serving this image out of US-East, but are starting to get concerned about the time It takes to load the image for users on the west coast.

What are the two best ways to speed up serving this image?

Choose 2 answers

- A. Use Route 53's Latency Based Routing and serve the image out of US-West-2 as well as US-East-1
- B. Serve the image out through CloudFront
- C. Serve the image out of S3 so that it isn't being served off of your web application tier
- D. Use EBS PIOPs to serve the image faster out of your EC2 instances

**Answer:** AD

#### NEW QUESTION 39

Which two AWS services provide out-of-the-box user configurable automatic backup-as-a-service and backup rotation options?

Choose 2 answers

- A. Amazon S3
- B. Amazon RDS
- C. Amazon EBS
- D. Amazon Red shift

**Answer:** BD

#### NEW QUESTION 42

You are using ElastiCache Memcached to store session state and cache database queries in your infrastructure. You notice in CloudWatch that Evictions and GetMisses are Doth very high.

What two actions could you take to rectify this?

Choose 2 answers

- A. Increase the number of nodes in your cluster
- B. Tweak the max\_item\_size parameter
- C. Shrink the number of nodes in your cluster
- D. Increase the size of the nodes in the duster

**Answer:** BD

#### NEW QUESTION 44

An organization's security policy requires multiple copies of all critical data to be replicated across at least a primary and backup data center. The organization has decided to store some critical data on Amazon S3.

Which option should you implement to ensure this requirement is met?

- A. Use the S3 copy API to replicate data between two S3 buckets in different regions
- B. You do not need to implement anything since S3 data is automatically replicated between regions
- C. Use the S3 copy API to replicate data between two S3 buckets in different facilities within an AWS Region
- D. You do not need to implement anything since S3 data is automatically replicated between multiple facilities within an AWS Region

**Answer:** D

#### NEW QUESTION 45

You have been asked to automate many routine systems administrator backup and recovery activities. Your current plan is to leverage AWS-managed solutions as much as possible and automate the rest with the AWS CLI and scripts.

Which task would be best accomplished with a script?

- A. Creating daily EBS snapshots with a monthly rotation of snapshots
- B. Creating daily RDS snapshots with a monthly rotation of snapshots
- C. Automatically detect and stop unused or underutilized EC2 instances
- D. Automatically add Auto Scaled EC2 instances to an Amazon Elastic Load Balancer

**Answer:** A

#### NEW QUESTION 49

A user is trying to understand the ACL and policy for an S3 bucket. Which of the below mentioned policy permissions is equivalent to the WRITE ACL on a bucket?

- A. s3:GetObjectAcl
- B. s3:GetObjectVersion
- C. s3:ListBucketVersions
- D. s3:DeleteObject

**Answer:** D

#### Explanation:

Amazon S3 provides a set of operations to work with the Amazon S3 resources. Each AWS S3 bucket can have an ACL (Access Control List, or bucket policy) associated with it. The WRITE ACL list allows the other AWS accounts to write/modify to that bucket. The equivalent S3 bucket policy permission for it is s3:DeleteObject.

#### NEW QUESTION 52

A user wants to disable connection draining on an existing ELB. Which of the below mentioned statements helps the user disable connection draining on the ELB?

- A. The user can only disable connection draining from CLI
- B. It is not possible to disable the connection draining feature once enabled
- C. The user can disable the connection draining feature from EC2 -> ELB console or from CLI
- D. The user needs to stop all instances before disabling connection draining

**Answer:** C

#### Explanation:

The Elastic Load Balancer connection draining feature causes the load balancer to stop sending new requests to the back-end instances when the instances are deregistering or become unhealthy, while ensuring that in-flight requests continue to be served. The user can enable or disable connection draining from the AWS EC2 console -> ELB or using CLI.

#### NEW QUESTION 54

A user has configured an Auto Scaling group with ELB. The user has enabled detailed CloudWatch monitoring on Auto Scaling. Which of the below mentioned statements will help the user understand the functionality better?

- A. It is not possible to setup detailed monitoring for Auto Scaling
- B. In this case, Auto Scaling will send data every minute and will charge the user extra
- C. Detailed monitoring will send data every minute without additional charges
- D. Auto Scaling sends data every minute only and does not charge the user

**Answer:** B

#### Explanation:

CloudWatch is used to monitor AWS as well as the custom services. It provides either basic or detailed monitoring for the supported AWS products. In basic monitoring, a service sends data points to CloudWatch every five minutes, while in detailed monitoring a service sends data points to CloudWatch every minute. Auto Scaling includes 7 metrics and 1 dimension, and sends data to CloudWatch every 5 minutes by default. The user can enable detailed monitoring for Auto Scaling, which sends data to CloudWatch every minute. However, this will have some extra-costs.

#### NEW QUESTION 57

A user has created a VPC with CIDR 20.0.0.0/16 with only a private subnet and VPN connection using the VPC wizard. The user wants to connect to the instance in a private subnet over SSH. How should the user define the security rule for SSH?

- A. Allow Inbound traffic on port 22 from the user's network
- B. The user has to create an instance in EC2 Classic with an elastic IP and configure the security group of a private subnet to allow SSH from that elastic IP
- C. The user can connect to a instance in a private subnet using the NAT instance
- D. Allow Inbound traffic on port 80 and 22 to allow the user to connect to a private subnet over the Internet

**Answer:** A

#### Explanation:

The user can create subnets as per the requirement within a VPC. If the user wants to connect VPC from his own data centre, the user can setup a case with a VPN only subnet (private, which uses VPN access to connect with his data centre. When the user has configured this setup with Wizard, all network connections to the instances in the subnet will come from his data centre. The user has to configure the security group of the private subnet which allows the inbound traffic on SSH (port 22, from the data centre's network range).

#### NEW QUESTION 62

A user has developed an application which is required to send the data to a NoSQL database. The user wants to decouple the data sending such that the application keeps processing and sending data but does not wait for an acknowledgement of DB. Which of the below mentioned applications helps in this scenario?

- A. AWS Simple Notification Service
- B. AWS Simple Workflow
- C. AWS Simple Queue Service
- D. AWS Simple Query Service

**Answer: C**

**Explanation:**

Amazon Simple Queue Service (SQS) is a fast, reliable, scalable, and fully managed message queuing service. SQS provides a simple and cost-effective way to decouple the components of an application. In this case, the user can use AWS SQS to send messages which are received from an application and sent to DB. The application can continue processing data without waiting for any acknowledgement from DB. The user can use SQS to transmit any volume of data without losing messages or requiring other services to always be available.

**NEW QUESTION 67**

A user has setup an EBS backed instance and a CloudWatch alarm when the CPU utilization is more than 65%. The user has setup the alarm to watch it for 5 periods of 5 minutes each. The CPU utilization is 60% between 9 AM to 6 PM. The user has stopped the EC2 instance for 15 minutes between 11 AM to 11:15 AM. What will be the status of the alarm at 11:30 AM?

- A. Alarm
- B. OK
- C. Insufficient Data
- D. Error

**Answer: B**

**Explanation:**

Amazon CloudWatch alarm watches a single metric over a time period the user specifies and performs one or more actions based on the value of the metric relative to a given threshold over a number of time periods. The state of the alarm will be OK for the whole day. When the user stops the instance for three periods the alarm may not receive the data

**NEW QUESTION 72**

A user has received a message from the support team that an issue occurred 1 week back between 3 AM to 4 AM and the EC2 server was not reachable. The user is checking the CloudWatch metrics of that instance. How can the user find the data easily using the CloudWatch console?

- A. The user can find the data by giving the exact values in the time Tab under CloudWatch metrics
- B. The user can find the data by filtering values of the last 1 week for a 1 hour period in the Relative tab under CloudWatch metrics
- C. It is not possible to find the exact time from the console
- D. The user has to use CLI to provide the specific time
- E. The user can find the data by giving the exact values in the Absolute tab under CloudWatch metrics

**Answer: D**

**Explanation:**

If the user is viewing the data inside the CloudWatch console, the console provides options to filter values either using the relative period, such as days /hours or using the Absolute tab where the user can provide data with a specific date and time. The console also provides the option to search using the local timezone under the time range caption in the console.

**NEW QUESTION 77**

A user has created a VPC with CIDR 20.0.0.0/16. The user has created public and VPN only subnets along with hardware VPN access to connect to the user's datacenter. The user wants to make so that all traffic coming to the public subnet follows the organization's proxy policy. How can the user make this happen?

- A. Setting up a NAT with the proxy protocol and configure that the public subnet receives traffic from NAT
- B. Setting up a proxy policy in the internet gateway connected with the public subnet
- C. It is not possible to setup the proxy policy for a public subnet
- D. Setting the route table and security group of the public subnet which receives traffic from a virtual private gateway

**Answer: D**

**Explanation:**

The user can create subnets within a VPC. If the user wants to connect to VPC from his own data centre, he can setup public and VPN only subnets which uses hardware VPN access to connect with his data centre. When the user has configured this setup, it will update the main route table used with the VPN-only subnet, create a custom route table and associate it with the public subnet. It also creates an internet gateway for the public subnet. By default the internet traffic of the VPN subnet is routed to a virtual private gateway while the internet traffic of the public subnet is routed through the internet gateway. The user can set up the route and security group rules. These rules enable the traffic to come from the organization's network over the virtual private gateway to the public subnet to allow proxy settings on that public subnet.

**NEW QUESTION 78**

A user has created an ELB with three instances. How many security groups will ELB create by default?

- A. 3
- B. 5

- C. 2
- D. 1

**Answer:** C

**Explanation:**

Elastic Load Balancing provides a special Amazon EC2 source security group that the user can use to ensure that back-end EC2 instances receive traffic only from Elastic Load Balancing. This feature needs two security groups: the source security group and a security group that defines the ingress rules for the back-end instances. To ensure that traffic only flows between the load balancer and the back-end instances, the user can add or modify a rule to the back-end security group which can limit the ingress traffic. Thus, it can come only from the source security group provided by Elastic load Balancing.

**NEW QUESTION 83**

A user is planning to evaluate AWS for their internal use. The user does not want to incur any charge on his account during the evaluation. Which of the below mentioned AWS services would incur a charge if used?

- A. AWS S3 with 1 GB of storage
- B. AWS micro instance running 24 hours daily
- C. AWS ELB running 24 hours a day
- D. AWS PIOPS volume of 10 GB size

**Answer:** D

**Explanation:**

AWS is introducing a free usage tier for one year to help the new AWS customers get started in Cloud. The free tier can be used for anything that the user wants to run in the Cloud. AWS offers a handful of AWS services as a part of this which includes 750 hours of free micro instances and 750 hours of ELB. It includes the AWS S3 of 5 GB and AWS EBS general purpose volume upto 30 GB. PIOPS is not part of free usage tier.

**NEW QUESTION 87**

A user is planning to use AWS Cloud formation for his automatic deployment requirements. Which of the below mentioned components are required as a part of the template?

- A. Parameters
- B. Outputs
- C. Template version
- D. Resources

**Answer:** D

**Explanation:**

AWS Cloud formation is an application management tool which provides application modelling, deployment, configuration, management and related activities. The template is a JSON-format, text-based file that describes all the AWS resources required to deploy and run an application. It can have option fields, such as Template Parameters, Output, Data tables, and Template file format version. The only mandatory value is Resource. The user can define the AWS services which will be used/ created by this template inside the Resource section

**NEW QUESTION 91**

A user has setup a billing alarm using CloudWatch for \$200. The usage of AWS exceeded \$200 after some days. The user wants to increase the limit from \$200 to \$400? What should the user do?

- A. Create a new alarm of \$400 and link it with the first alarm
- B. It is not possible to modify the alarm once it has crossed the usage limit
- C. Update the alarm to set the limit at \$400 instead of \$200
- D. Create a new alarm for the additional \$200 amount

**Answer:** C

**Explanation:**

AWS CloudWatch supports enabling the billing alarm on the total AWS charges. The estimated charges are calculated and sent several times daily to CloudWatch in the form of metric data. This data will be stored for 14 days. This data also includes the estimated charges for every service in AWS used by the user, as well as the estimated overall AWS charges. If the user wants to increase the limit, the user can modify the alarm and specify a new threshold.

**NEW QUESTION 93**

A user has launched an EC2 instance from an instance store backed AMI. The infrastructure team wants to create an AMI from the running instance. Which of the below mentioned steps will not be performed while creating the AMI?

- A. Define the AMI launch permissions
- B. Upload the bundled volume
- C. Register the AMI
- D. Bundle the volume

**Answer:** A

**Explanation:**

When the user has launched an EC2 instance from an instance store backed AMI, it will need to follow certain steps, such as "Bundling the root volume", "Uploading the bundled volume" and "Register the AMI". Once the AMI is created the user can setup the launch permission. However, it is not required to setup

during the launch.

**NEW QUESTION 94**

A root AWS account owner is trying to understand various options to set the permission to AWS S3. Which of the below mentioned options is not the right option to grant permission for S3?

- A. User Access Policy
- B. S3 Object Access Policy
- C. S3 Bucket Access Policy
- D. S3 ACL

**Answer:** B

**Explanation:**

Amazon S3 provides a set of operations to work with the Amazon S3 resources. Managing S3 resource access refers to granting others permissions to work with S3. There are three ways the root account owner can define access with S3: S3 ACL: The user can use ACLs to grant basic read/write permissions to other AWS accounts. S3 Bucket Policy: The policy is used to grant other AWS accounts or IAM users permissions for the bucket and the objects in it. User Access Policy: Define an IAM user and assign him the IAM policy which grants him access to S3.

**NEW QUESTION 96**

A user is running one instance for only 3 hours every day. The user wants to save some cost with the instance. Which of the below mentioned Reserved Instance categories is advised in this case?

- A. The user should not use RI; instead only go with the on-demand pricing
- B. The user should use the AWS high utilized RI
- C. The user should use the AWS medium utilized RI
- D. The user should use the AWS low utilized RI

**Answer:** A

**Explanation:**

The AWS Reserved Instance provides the user with an option to save some money by paying a one-time fixed amount and then save on the hourly rate. It is advisable that if the user is having 30% or more usage of an instance per day, he should go for a RI. If the user is going to use an EC2 instance for more than 2200-2500 hours per year, RI will help the user save some cost. Here, the instance is not going to run for less than 1500 hours. Thus, it is advisable that the user should use the on-demand pricing.

**NEW QUESTION 101**

A user has created a VPC with CIDR 20.0.0.0/24. The user has created a public subnet with CIDR 20.0.0.0/25. The user is trying to create the private subnet with CIDR 20.0.0.128/25. Which of the below mentioned statements is true in this scenario?

- A. It will not allow the user to create the private subnet due to a CIDR overlap
- B. It will allow the user to create a private subnet with CIDR as 20.0.0.128/25
- C. This statement is wrong as AWS does not allow CIDR 20.0.0.0/25
- D. It will not allow the user to create a private subnet due to a wrong CIDR range

**Answer:** B

**Explanation:**

When the user creates a subnet in VPC, he specifies the CIDR block for the subnet. The CIDR block of a subnet can be the same as the CIDR block for the VPC (for a single subnet in the VPC., or a subset (to enable multiple subnets.. If the user creates more than one subnet in a VPC, the CIDR blocks of the subnets must not overlap. Thus, in this case the user has created a VPC with the CIDR block 20.0.0.0/24, which supports 256 IP addresses (20.0.0.0 to 20.0.0.255.. The user can break this CIDR block into two subnets, each supporting 128 IP addresses. One subnet uses the CIDR block 20.0.0.0/25 (for addresses 20.0.0.0 - 20.0.0.127. and the other uses the CIDR block 20.0.0.128/25 (for addresses 20.0.0.128 - 20.0.0.255..

**NEW QUESTION 106**

A user has configured Elastic Load Balancing by enabling a Secure Socket Layer (SSL. negotiation configuration known as a Security Policy. Which of the below mentioned options is not part of this secure policy while negotiating the SSL connection between the user and the client?

- A. SSL Protocols
- B. Client Order Preference
- C. SSL Ciphers
- D. Server Order Preference

**Answer:** B

**Explanation:**

Elastic Load Balancing uses a Secure Socket Layer (SSL. negotiation configuration which is known as a Security Policy. It is used to negotiate the SSL connections between a client and the load balancer. A security policy is a combination of SSL Protocols, SSL Ciphers, and the Server Order Preference option.

**NEW QUESTION 110**

An organization has setup consolidated billing with 3 different AWS accounts. Which of the below mentioned advantages will organization receive in terms of the AWS pricing?

- A. The consolidated billing does not bring any cost advantage for the organization
- B. All AWS accounts will be charged for S3 storage by combining the total storage of each account
- C. The EC2 instances of each account will receive a total of 750\*3 micro instance hours free
- D. The free usage tier for all the 3 accounts will be 3 years and not a single year

**Answer: B**

**Explanation:**

AWS consolidated billing enables the organization to consolidate payments for multiple Amazon Web Services (AWS) accounts within a single organization by making a single paying account. For billing purposes, AWS treats all the accounts on the consolidated bill as one account. Some services, such as Amazon EC2 and Amazon S3 have volume pricing tiers across certain usage dimensions that give the user lower prices when he uses the service more.

**NEW QUESTION 112**

A user has created an S3 bucket which is not publicly accessible. The bucket is having thirty objects which are also private. If the user wants to make the objects public, how can he configure this with minimal efforts?

- A. The user should select all objects from the console and apply a single policy to mark them public
- B. The user can write a program which programmatically makes all objects public using S3 SDK
- C. Set the AWS bucket policy which marks all objects as public
- D. Make the bucket ACL as public so it will also mark all objects as public

**Answer: C**

**Explanation:**

A system admin can grant permission of the S3 objects or buckets to any user or make the objects public using the bucket policy and user policy. Both use the JSON-based access policy language. Generally if the user is defining the ACL on the bucket, the objects in the bucket do not inherit it and vice versa. The bucket policy can be defined at the bucket level which allows the objects as well as the bucket to be public with a single policy applied to that bucket.

**NEW QUESTION 114**

A user is checking the CloudWatch metrics from the AWS console. The user notices that the CloudWatch data is coming in UTC. The user wants to convert the data to a local time zone. How can the user perform this?

- A. In the CloudWatch dashboard the user should set the local timezone so that CloudWatch shows the data only in the local time zone
- B. In the CloudWatch console select the local timezone under the Time Range tab to view the data as per the local timezone
- C. The CloudWatch data is always in UTC; the user has to manually convert the data
- D. The user should have send the local timezone while uploading the data so that CloudWatch will show the data only in the local timezone

**Answer: B**

**Explanation:**

If the user is viewing the data inside the CloudWatch console, the console provides options to filter values either using the relative period, such as days/hours or using the Absolute tab where the user can provide data with a specific date and time. The console also provides the option to search using the local timezone under the time range caption in the console because the time range tab allows the user to change the time zone.

**NEW QUESTION 115**

A user has created a queue named "myqueue" with SQS. There are four messages published to queue which are not received by the consumer yet. If the user tries to delete the queue, what will happen?

- A. A user can never delete a queue manually
- B. AWS deletes it after 30 days of inactivity on queue
- C. It will delete the queue
- D. It will initiate the delete but wait for four days before deleting until all messages are deleted automatically
- E. It will ask user to delete the messages first

**Answer: B**

**Explanation:**

SQS allows the user to move data between distributed components of applications so they can perform different tasks without losing messages or requiring each component to be always available. The user can delete a queue at any time, whether it is empty or not. It is important to note that queues retain messages for a set period of time. By default, a queue retains messages for four days.

**NEW QUESTION 119**

A user has configured ELB with three instances. The user wants to achieve High Availability as well as redundancy with ELB. Which of the below mentioned AWS services helps the user achieve this for ELB?

- A. Route 53
- B. AWS Mechanical Turk
- C. Auto Scaling
- D. AWS EMR

**Answer: A**

**Explanation:**

The user can provide high availability and redundancy for applications running behind Elastic Load Balancer by enabling the Amazon Route 53 Domain Name

System (DNS, failover for the load balancers. Amazon Route 53 is a DNS service that provides reliable routing to the user's infrastructure.

**NEW QUESTION 123**

A user has launched an EC2 instance. The user is planning to setup the CloudWatch alarm. Which of the below mentioned actions is not supported by the CloudWatch alarm?

- A. Notify the Auto Scaling launch config to scale up
- B. Send an SMS using SNS
- C. Notify the Auto Scaling group to scale down
- D. Stop the EC2 instance

**Answer: B**

**Explanation:**

A user can create a CloudWatch alarm that takes various actions when the alarm changes state. An alarm watches a single metric over the time period that the user has specified, and performs one or more actions based on the value of the metric relative to a given threshold over a number of time periods. The actions could be sending a notification to an Amazon Simple Notification Service topic (SMS, Email, and HTTP end point), notifying the Auto Scaling policy or changing the state of the instance to Stop/Terminate.

**NEW QUESTION 127**

A root account owner has created an S3 bucket testmycloud. The account owner wants to allow everyone to upload the objects as well as enforce that the person who uploaded the object should manage the permission of those objects. Which is the easiest way to achieve this?

- A. The root account owner should create a bucket policy which allows the IAM users to upload the object
- B. The root account owner should create the bucket policy which allows the other account owners to set the object policy of that bucket
- C. The root account should use ACL with the bucket to allow everyone to upload the object
- D. The root account should create the IAM users and provide them the permission to upload content to the bucket

**Answer: C**

**Explanation:**

Each AWS S3 bucket and object has an ACL (Access Control List, associated with it. An ACL is a list of grants identifying the grantee and the permission granted. The user can use ACLs to grant basic read/write permissions to other AWS accounts. ACLs use an Amazon S3-specific XML schema. The user cannot grant permissions to other users in his account. ACLs are suitable for specific scenarios. For example, if a bucket owner allows other AWS accounts to upload objects, permissions to these objects can only be managed using the object ACL by the AWS account that owns the object.

**NEW QUESTION 128**

A user has enabled detailed CloudWatch metric monitoring on an Auto Scaling group. Which of the below mentioned metrics will help the user identify the total number of instances in an Auto Scaling group including pending, terminating and running instances?

- A. GroupTotalInstances
- B. GroupSumInstances
- C. It is not possible to get a count of all the three metrics together
- D. The user has to find the individual number of running, terminating and pending instances and sum it
- E. GroupInstancesCount

**Answer: A**

**Explanation:**

CloudWatch is used to monitor AWS as well as the custom services. For Auto Scaling, CloudWatch provides various metrics to get the group information, such as the Number of Pending, Running or Terminating instances at any moment. If the user wants to get the total number of Running, Pending and Terminating instances at any moment, he can use the GroupTotalInstances metric.

**NEW QUESTION 131**

A sys admin is trying to understand the Auto Scaling activities. Which of the below mentioned processes is not performed by Auto Scaling?

- A. Reboot Instance
- B. Schedule Actions
- C. Replace Unhealthy
- D. Availability Zone Balancing

**Answer: A**

**Explanation:**

There are two primary types of Auto Scaling processes: Launch and Terminate, which launch or terminate instances, respectively. Some other actions performed by Auto Scaling are: AddToLoadbalancer, AlarmNotification, HealthCheck, AZRebalance, ReplaceUnHealthy, and ScheduledActions.

**NEW QUESTION 132**

A user has launched an EBS backed EC2 instance. The user has rebooted the instance. Which of the below mentioned statements is not true with respect to the reboot action?

- A. The private and public address remains the same
- B. The Elastic IP remains associated with the instance
- C. The volume is preserved
- D. The instance runs on a new host computer

**Answer:** D

**Explanation:**

A user can reboot an EC2 instance using the AWS console, the Amazon EC2 CLI or the Amazon EC2 API. Rebooting an instance is equivalent to rebooting an operating system. However, it is recommended that the user use the Amazon EC2 to reboot the instance instead of running the operating system reboot command from the instance. The instance remains on the same host computer and maintains its public DNS name, private IP address, and any data on its instance store volumes. It typically takes a few minutes for the reboot to complete, but the time it takes to reboot depends on the instance configuration.

**NEW QUESTION 133**

A user is trying to aggregate all the CloudWatch metric data of the last 1 week. Which of the below mentioned statistics is not available for the user as a part of data aggregation?

- A. Aggregate
- B. Sum
- C. Sample data
- D. Average

**Answer:** A

**Explanation:**

Amazon CloudWatch is basically a metrics repository. Either the user can send the custom data or an AWS product can put metrics into the repository, and the user can retrieve the statistics based on those metrics. The statistics are metric data aggregations over specified periods of time. Aggregations are made using the namespace, metric name, dimensions, and the data point unit of measure, within the time period that is specified by the user. CloudWatch supports Sum, Min, Max, Sample Data and Average statistics aggregation.

**NEW QUESTION 136**

An organization has configured the custom metric upload with CloudWatch. The organization has given permission to its employees to upload data using CLI as well SDK. How can the user track the calls made to CloudWatch?

- A. The user can enable logging with CloudWatch which logs all the activities
- B. Use CloudTrail to monitor the API calls
- C. Create an IAM user and allow each user to log the data using the S3 bucket
- D. Enable detailed monitoring with CloudWatch

**Answer:** B

**Explanation:**

AWS CloudTrail is a web service which will allow the user to monitor the calls made to the Amazon CloudWatch API for the organization's account, including calls made by the AWS Management Console, Command Line Interface (CLI), and other services. When CloudTrail logging is turned on, CloudWatch will write log files into the Amazon S3 bucket, which is specified during the CloudTrail configuration.

**NEW QUESTION 138**

An organization has created 50 IAM users. The organization has introduced a new policy which will change the access of an IAM user. How can the organization implement this effectively so that there is no need to apply the policy at the individual user level?

- A. Use the IAM groups and add users as per their role to different groups and apply policy to group
- B. The user can create a policy and apply it to multiple users in a single go with the AWS CLI
- C. Add each user to the IAM role as per their organization role to achieve effective policy setup
- D. Use the IAM role and implement access at the role level

**Answer:** A

**Explanation:**

With AWS IAM, a group is a collection of IAM users. A group allows the user to specify permissions for a collection of users, which can make it easier to manage the permissions for those users. A group helps an organization manage access in a better way; instead of applying at the individual level, the organization can apply at the group level which is applicable to all the users who are a part of that group.

**NEW QUESTION 139**

An organization is using AWS since a few months. The finance team wants to visualize the pattern of AWS spending. Which of the below AWS tool will help for this requirement?

- A. AWS Cost Manager
- B. AWS Cost Explorer
- C. AWS CloudWatch
- D. AWS Consolidated Billing

**Answer:** B

**Explanation:**

The AWS Billing and Cost Management console includes the Cost Explorer tool for viewing AWS cost data as a graph. It does not charge extra to user for this service. With Cost Explorer the user can filter graphs using resource tags or with services in AWS. If the organization is using Consolidated Billing it helps generate report based on linked accounts. This will help organization to identify areas that require further inquiry. The organization can view trends and use that to understand spend and to predict future costs.

**NEW QUESTION 143**

A user has configured an Auto Scaling group with ELB. The user has enabled detailed CloudWatch monitoring on Elastic Load balancing. Which of the below mentioned statements will help the user understand this functionality better?

- A. ELB sends data to CloudWatch every minute only and does not charge the user
- B. ELB will send data every minute and will charge the user extra
- C. ELB is not supported by CloudWatch
- D. It is not possible to setup detailed monitoring for ELB

**Answer:** A

**Explanation:**

CloudWatch is used to monitor AWS as well as the custom services. It provides either basic or detailed monitoring for the supported AWS products. In basic monitoring, a service sends data points to CloudWatch every five minutes, while in detailed monitoring a service sends data points to CloudWatch every minute. Elastic Load Balancing includes 10 metrics and 2 dimensions, and sends data to CloudWatch every minute. This does not cost extra.

**NEW QUESTION 144**

A sys admin has created a shopping cart application and hosted it on EC2. The EC2 instances are running behind ELB. The admin wants to ensure that the end user request will always go to the EC2 instance where the user session has been created. How can the admin configure this?

- A. Enable ELB cross zone load balancing
- B. Enable ELB cookie setup
- C. Enable ELB sticky session
- D. Enable ELB connection draining

**Answer:** C

**Explanation:**

Generally AWS ELB routes each request to a zone with the minimum load. The Elastic Load Balancer provides a feature called sticky session which binds the user's session with a specific EC2 instance. If the sticky session is enabled the first request from the user will be redirected to any of the EC2 instances. But, henceforth, all requests from the same user will be redirected to the same EC2 instance. This ensures that all requests coming from the user during the session will be sent to the same application instance.

**NEW QUESTION 149**

An organization has created 50 IAM users. The organization wants that each user can change their password but cannot change their access keys. How can the organization achieve this?

- A. The organization has to create a special password policy and attach it to each user
- B. The root account owner has to use CLI which forces each IAM user to change their password on first login
- C. By default each IAM user can modify their passwords
- D. The root account owner can set the policy from the IAM console under the password policy screen

**Answer:** D

**Explanation:**

With AWS IAM, organizations can use the AWS Management Console to display, create, change or delete a password policy. As a part of managing the password policy, the user can enable all users to manage their own passwords. If the user has selected the option which allows the IAM users to modify their password, he does not need to set a separate policy for the users. This option in the AWS console allows changing only the password.

**NEW QUESTION 152**

A user has created a subnet with VPC and launched an EC2 instance in that subnet with only default settings. Which of the below mentioned options is ready to use on the EC2 instance as soon as it is launched?

- A. Elastic IP
- B. Private IP
- C. Public IP
- D. Internet gateway

**Answer:** B

**Explanation:**

A Virtual Private Cloud (VPC) is a virtual network dedicated to a user's AWS account. A subnet is a range of IP addresses in the VPC. The user can launch the AWS resources into a subnet. There are two supported platforms into which a user can launch instances: EC2-Classic and EC2-VPC. When the user launches an instance which is not a part of the non-default subnet, it will only have a private IP assigned to it. The instances part of a subnet can communicate with each other but cannot communicate over the internet or to the AWS services, such as RDS / S3.

**NEW QUESTION 155**

A user is trying to delete an Auto Scaling group from CLI. Which of the below mentioned steps are to be performed by the user?

- A. Terminate the instances with the `ec2-terminate-instance` command
- B. Terminate the Auto Scaling instances with the `as-terminate-instance` command
- C. Set the minimum size and desired capacity to 0
- D. There is no need to change the capacity
- E. Run the `as-delete-group` command and it will reset all values to 0

**Answer: C**

**Explanation:**

If the user wants to delete the Auto Scaling group, the user should manually set the values of the minimum and desired capacity to 0. Otherwise Auto Scaling will not allow for the deletion of the group from CLI. While trying from the AWS console, the user need not set the values to 0 as the Auto Scaling console will automatically do so.

**NEW QUESTION 158**

A user has recently started using EC2. The user launched one EC2 instance in the default subnet in EC2-VPC. Which of the below mentioned options is not attached or available with the EC2 instance when it is launched?

- A. Public IP address
- B. Internet gateway
- C. Elastic IP
- D. Private IP address

**Answer: C**

**Explanation:**

A Virtual Private Cloud (VPC) is a virtual network dedicated to a user's AWS account. A subnet is a range of IP addresses in the VPC. The user can launch the AWS resources into a subnet. There are two supported platforms into which a user can launch instances: EC2-Classic and EC2-VPC (default subnet). A default VPC has all the benefits of EC2-VPC and the ease of use of EC2-Classic. Each instance that the user launches into a default subnet has a private IP address and a public IP address. These instances can communicate with the internet through an internet gateway. An internet gateway enables the EC2 instances to connect to the internet through the Amazon EC2 network edge.

**NEW QUESTION 162**

A user has setup an RDS DB with Oracle. The user wants to get notifications when someone modifies the security group of that DB. How can the user configure that?

- A. It is not possible to get the notifications on a change in the security group
- B. Configure SNS to monitor security group changes
- C. Configure event notification on the DB security group
- D. Configure the CloudWatch alarm on the DB for a change in the security group

**Answer: C**

**Explanation:**

Amazon RDS uses the Amazon Simple Notification Service to provide a notification when an Amazon RDS event occurs. These events can be configured for source categories, such as DB instance, DB security group, DB snapshot and DB parameter group. If the user is subscribed to a Configuration Change category for a DB security group, he will be notified when the DB security group is changed.

**NEW QUESTION 165**

An organization is using cost allocation tags to find the cost distribution of different departments and projects. One of the instances has two separate tags with the key/value as "InstanceName/HR", "CostCenter/HR". What will AWS do in this case?

- A. InstanceName is a reserved tag for AWS
- B. Thus, AWS will not allow this tag
- C. AWS will not allow the tags as the value is the same for different keys
- D. AWS will allow tags but will not show correctly in the cost allocation report due to the same value of the two separate keys
- E. AWS will allow both the tags and show properly in the cost distribution report

**Answer: D**

**Explanation:**

AWS provides cost allocation tags to categorize and track the AWS costs. When the user applies tags to his AWS resources, AWS generates a cost allocation report as a comma-separated value (CSV) file, with the usage and costs aggregated by those tags. Each tag will have a key-value and can be applied to services, such as EC2, S3, RDS, EMR, etc. It is required that the key should be different for each tag. The value can be the same for different keys. In this case since the value is different, AWS will properly show the distribution report with the correct values.

**NEW QUESTION 169**

A sys admin is trying to understand EBS snapshots. Which of the below mentioned statements will not be useful to the admin to understand the concepts about a snapshot?

- A. The snapshot is synchronous
- B. It is recommended to stop the instance before taking a snapshot for consistent data
- C. The snapshot is incremental
- D. The snapshot captures the data that has been written to the hard disk when the snapshot command was executed

**Answer:** A

**Explanation:**

The AWS snapshot is a point in time backup of an EBS volume. When the snapshot command is executed it will capture the current state of the data that is written on the drive and take a backup. For a better and consistent snapshot of the root EBS volume, AWS recommends stopping the instance. For additional volumes it is recommended to unmount the device. The snapshots are asynchronous and incremental.

**NEW QUESTION 171**

What would happen to an RDS (Relational Database Service) multi-Availability Zone deployment if the primary DB instance fails?

- A. The IP of the primary DB Instance is switched to the standby DB Instance
- B. A new DB instance is created in the standby availability zone
- C. The canonical name record (CNAME) is changed from primary to standby
- D. The RDS (Relational Database Service) DB instance reboots

**Answer:** D

**Explanation:** Reference:

[http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER\\_RebootInstance.html](http://docs.aws.amazon.com/AmazonRDS/latest/UserGuide/USER_RebootInstance.html)

**NEW QUESTION 176**

A user has launched an EC2 Windows instance from an instance store backed AMI. The user wants to convert the AMI to an EBS backed AMI. How can the user convert it?

- A. Attach an EBS volume to the instance and unbundle all the AMI bundled data inside the EBS
- B. A Windows based instance store backed AMI cannot be converted to an EBS backed AMI
- C. It is not possible to convert an instance store backed AMI to an EBS backed AMI
- D. Attach an EBS volume and use the copy command to copy all the ephemeral content to the EBS Volume

**Answer:** B

**Explanation:**

Generally when a user has launched an EC2 instance from an instance store backed AMI, it can be converted to an EBS backed AMI provided the user has attached the EBS volume to the instance and unbundles the AMI data to it. However, if the instance is a Windows instance, AWS does not allow this. In this case, since the instance is a Windows instance, the user cannot convert it to an EBS backed AMI.

**NEW QUESTION 180**

A user has launched an EC2 instance from an instance store backed AMI. The user has attached an additional instance store volume to the instance. The user wants to create an AMI from the running instance. Will the AMI have the additional instance store volume data?

- A. Yes, the block device mapping will have information about the additional instance store volume
- B. No, since the instance store backed AMI can have only the root volume bundled
- C. It is not possible to attach an additional instance store volume to the existing instance store backed AMI instance
- D. No, since this is ephemeral storage it will not be a part of the AMI

**Answer:** A

**Explanation:**

When the user has launched an EC2 instance from an instance store backed AMI and added an instance store volume to the instance in addition to the root device volume, the block device mapping for the new AMI contains the information for these volumes as well. In addition, the block device mappings for the instances those are launched from the new AMI will automatically contain information for these volumes.

**NEW QUESTION 183**

A user has configured ELB with Auto Scaling. The user suspended the Auto Scaling terminate process only for a while. What will happen to the availability zone rebalancing process (AZRebalance) during this period?

- A. Auto Scaling will not launch or terminate any instances
- B. Auto Scaling will allow the instances to grow more than the maximum size
- C. Auto Scaling will keep launching instances till the maximum instance size
- D. It is not possible to suspend the terminate process while keeping the launch active

**Answer:** B

**Explanation:**

Auto Scaling performs various processes, such as Launch, Terminate, Availability Zone Rebalance (AZRebalance) etc. The AZRebalance process type seeks to maintain a balanced number of instances across Availability Zones within a region. If the user suspends the Terminate process, the AZRebalance process can cause the Auto Scaling group to grow up to ten percent larger than the maximum size. This is because Auto Scaling allows groups to temporarily grow larger than the maximum size during rebalancing activities. If Auto Scaling cannot terminate instances, the Auto Scaling group could remain up to ten percent larger than the maximum size until the user resumes the Terminate process type.

**NEW QUESTION 186**

An organization has created a Queue named "modularqueue" with SQS. The organization is not performing any operations such as SendMessage,

ReceiveMessage, DeleteMessage, GetQueueAttributes, SetQueueAttributes, AddPermission, and RemovePermission on the queue. What can happen in this scenario?

- A. AWS SQS sends notification after 15 days for inactivity on queue
- B. AWS SQS can delete queue after 30 days without notification
- C. AWS SQS marks queue inactive after 30 days
- D. AWS SQS notifies the user after 2 weeks and deletes the queue after 3 week

**Answer: B**

**Explanation:**

Amazon SQS can delete a queue without notification if one of the following actions hasn't been performed on it for 30 consecutive days: SendMessage, ReceiveMessage, DeleteMessage, GetQueueAttributes, SetQueueAttributes, AddPermission, and RemovePermission.

**NEW QUESTION 190**

A sys admin has enabled logging on ELB. Which of the below mentioned fields will not be a part of the log file name?

- A. Load Balancer IP
- B. EC2 instance IP
- C. S3 bucket name
- D. Random string

**Answer: B**

**Explanation:**

Elastic Load Balancing access logs capture detailed information for all the requests made to the load balancer. Elastic Load Balancing publishes a log file from each load balancer node at the interval that the user has specified. The load balancer can deliver multiple logs for the same period. Elastic Load Balancing creates log file names in the following format: "{Bucket}/{Prefix}/AWSLogs/{AWS AccountID}/elasticloadbalancing/{Region}/{Year}/{Month}/{Day}/{AWS Account ID}\_elasticloadbalancing\_{Region}\_{Load Balancer Name}\_{End Time}\_{Load Balancer IP}\_{Random String}.log"

**NEW QUESTION 191**

A user is trying to understand the detailed CloudWatch monitoring concept. Which of the below mentioned services does not provide detailed monitoring with CloudWatch?

- A. AWS EMR
- B. AWS RDS
- C. AWS ELB
- D. AWS Route53

**Answer: A**

**Explanation:**

CloudWatch is used to monitor AWS as well as the custom services. It provides either basic or detailed monitoring for the supported AWS products. In basic monitoring, a service sends data points to CloudWatch every five minutes, while in detailed monitoring a service sends data points to CloudWatch every minute. Services, such as RDS, EC2, Auto Scaling, ELB, and Route 53 can provide the monitoring data every minute.

**NEW QUESTION 192**

A user has configured ELB with SSL using a security policy for secure negotiation between the client and load balancer. Which of the below mentioned security policies is supported by ELB?

- A. Dynamic Security Policy
- B. All the other options
- C. Predefined Security Policy
- D. Default Security Policy

**Answer: C**

**Explanation:**

Elastic Load Balancing uses a Secure Socket Layer (SSL) negotiation configuration which is known as a Security Policy. It is used to negotiate the SSL connections between a client and the load balancer. ELB supports two policies: Predefined Security Policy, which comes with predefined cipher and SSL protocols; Custom Security Policy, which allows the user to configure a policy.

**NEW QUESTION 197**

A user is trying to connect to a running EC2 instance using SSH. However, the user gets an Unprotected Private Key File error. Which of the below mentioned options can be a possible reason for rejection?

- A. The private key file has the wrong file permission
- B. The ppk file used for SSH is read only
- C. The public key file has the wrong permission
- D. The user has provided the wrong user name for the OS login

**Answer: A**

**Explanation:**

While doing SSH to an EC2 instance, if you get an Unprotected Private Key File error it means that the private key file's permissions on your computer are too open. Ideally the private key should have the Unix permission of 0400. To fix that, run the command: `chmod 0400 /path/to/private.key`

**NEW QUESTION 202**

A user has created a VPC with CIDR 20.0.0.0/24. The user has used all the IPs of CIDR and wants to increase the size of the VPC. The user has two subnets: public (20.0.0.0/28. and private (20.0.1.0/28.. How can the user change the size of the VPC?

- A. The user can delete all the instances of the subne
- B. Change the size of the subnets to 20.0.0.0/32 and 20.0.1.0/32, respectivel
- C. Then the user can increase the size of the VPC using CLI
- D. It is not possible to change the size of the VPC once it has been created
- E. The user can add a subnet with a higher range so that it will automatically increase the size of the VPC
- F. The user can delete the subnets first and then modify the size of the VPC

**Answer:** B

**Explanation:**

Once the user has created a VPC, he cannot change the CIDR of that VPC. The user has to terminate all the instances, delete the subnets and then delete the VPC. Create a new VPC with a higher size and launch instances with the newly created VPC and subnets.

**NEW QUESTION 206**

A user has setup a VPC with CIDR 20.0.0.0/16. The VPC has a private subnet (20.0.1.0/24. and a public subnet (20.0.0.0/24.. The user's data centre has CIDR of 20.0.54.0/24 and 20.1.0.0/24. If the private subnet wants to communicate with the data centre, what will happen?

- A. It will allow traffic communication on both the CIDRs of the data centre
- B. It will not allow traffic with data centre on CIDR 20.1.0.0/24 but allows traffic communication on 20.0.54.0/24
- C. It will not allow traffic communication on any of the data centre CIDRs
- D. It will allow traffic with data centre on CIDR 20.1.0.0/24 but does not allow on 20.0.54.0/24

**Answer:** D

**Explanation:**

VPC allows the user to set up a connection between his VPC and corporate or home network data centre. If the user has an IP address prefix in the VPC that overlaps with one of the networks' prefixes, any traffic to the network's prefix is dropped. In this case CIDR 20.0.54.0/24 falls in the VPC's CIDR range of 20.0.0.0/16. Thus, it will not allow traffic on that IP. In the case of 20.1.0.0/24, it does not fall in the VPC's CIDR range. Thus, traffic will be allowed on it.

**NEW QUESTION 207**

A system admin wants to add more zones to the existing ELB. The system admin wants to perform this activity from CLI. Which of the below mentioned command helps the system admin to add new zones to the existing ELB?

- A. `elb-enable-zones-for-lb`
- B. `elb-add-zones-for-lb`
- C. It is not possible to add more zones to the existing ELB
- D. `elb-configure-zones-for-lb`

**Answer:** A

**Explanation:**

The user has created an Elastic Load Balancer with the availability zone and wants to add more zones to the existing ELB. The user can do so in two ways: From the console or CLI, add new zones to ELB;

**NEW QUESTION 212**

A system admin is planning to encrypt all objects being uploaded to S3 from an application. The system admin does not want to implement his own encryption algorithm; instead he is planning to use server side encryption by supplying his own key (SSE-C.. Which parameter is not required while making a call for SSE-C?

- A. `x-amz-server-side-encryption-customer-key-AES-256`
- B. `x-amz-server-side-encryption-customer-key`
- C. `x-amz-server-side-encryption-customer-algorithm`
- D. `x-amz-server-side-encryption-customer-key-MD5`

**Answer:** A

**Explanation:**

AWS S3 supports client side or server side encryption to encrypt all data at rest. The server side encryption can either have the S3 supplied AES-256 encryption key or the user can send the key along with each API call to supply his own encryption key (SSE-C.. When the user is supplying his own encryption key, the user has to send the below mentioned parameters as a part of the API calls: `x-amz-server-side-encryption-customer-algorithm`: Specifies the encryption algorithm `x-amz-server-side-encryption-customer-key`: To provide the base64-encoded encryption key `x-amz-server-side-encryption-customer-key-MD5`: To provide the base64-encoded 128-bit MD5 digest of the encryption key

**NEW QUESTION 216**

Which of the following statements about this S3 bucket policy is true?

```
{
  "Id": "IPAllowPolicy",
  "Statement": [
    {
      "Sid": "IPAllow",
      "Action": "s3:*",
      "Effect": "Allow",
      "Resource": "arn:aws:s3:::mybucket/*",
      "Condition": {
        "IpAddress": {
          "aws:SourceIp": "192.168.100.0/24"
        },
        "NotIpAddress": {
          "aws:SourceIp": "192.168.100.188/32"
        }
      }
    },
    {
      "Principal": {
        "AWS": [
          "*"
        ]
      }
    }
  ]
}
```

- A. Denies the server with the IP address 192.166 100.0 full access to the "mybucket" bucket
- B. Denies the server with the IP address 192.166 100.188 full access to the "mybucket bucket
- C. Grants all the servers within the 192 168 100 0/24 subnet full access to the "mybucket" bucket
- D. Grants all the servers within the 192 168 100 188/32 subnet full access to the "mybucket" bucket

**Answer: C**

**NEW QUESTION 218**

Your mission is to create a lights-out datacenter environment, and you plan to use AWS OpsWorks to accomplish this. First you created a stack and added an App Server layer with an instance running in it. Next you added an application to the instance, and now you need to deploy a MySQL RDS database instance. Which of the following answers accurately describe how to add a backend database server to an OpsWorks stack? Choose 3 answers

- A. Add a new database layer and then add recipes to the deploy actions of the database and App Server layer
- B. Use OpsWorks' "Clone Stack" feature to create a second RDS stack in another Availability Zone for redundancy in the event of a failure in the Primary A
- C. To switch to the secondary RDS instance, set the [:database] attributes to values that are appropriate for your server which you can do by using custom JSO
- D. The variables that characterize the RDS database connection—host, user, and so on—are set using the corresponding values from the deploy JSON's [:deploy][:app\_name][:database] attribute
- E. Cookbook attributes are stored in a repository, so OpsWorks requires that the "password": "your\_password" attribute for the RDS instance must be encrypted using at least a 256-bit ke
- F. Set up the connection between the app server and the RDS layer by using a custom recip
- G. The recipe configures the app server as required, typically by creating a configuration fil
- H. The recipe gets the connection data such as the host and database name from a set of attributes in the stack configuration and deployment JSON that AWS OpsWorks installs on every instanc

**Answer: BCE**

**NEW QUESTION 221**

A user has created a VPC with public and private subnets using the VPC wizard. Which of the below mentioned statements is true in this scenario?

- A. The AWS VPC will automatically create a NAT instance with the micro size
- B. VPC bounds the main route table with a private subnet and a custom route table with a public subnet
- C. The user has to manually create a NAT instance
- D. VPC bounds the main route table with a public subnet and a custom route table with a private subnet

**Answer: B**

**Explanation:**

A Virtual Private Cloud (VPC) is a virtual network dedicated to the user's AWS account. A user can create a subnet with VPC and launch instances inside that subnet. If the user has created a public private subnet, the instances in the public subnet can receive inbound traffic directly from the internet, whereas the instances in the private subnet cannot. If these subnets are created with Wizard, AWS will create a NAT instance of a smaller or higher size, respectively. The VPC has an implied router and the VPC wizard updates the main route table used with the private subnet, creates a custom route table and associates it with the public subnet.

**NEW QUESTION 224**

Which method can be used to prevent an IP address block from accessing public objects in an S3 bucket?

- A. Create a bucket policy and apply it to the bucket
- B. Create a NACL and attach it to the VPC of the bucket
- C. Create an ACL and apply it to all objects in the bucket
- D. Modify the IAM policies of any users that would access the bucket

**Answer:** A

**Explanation:** Reference:

<http://docs.aws.amazon.com/AmazonS3/latest/dev/example-bucket-policies.html>

#### NEW QUESTION 228

In AWS, which security aspects are the customer's responsibility? Choose 4 answers

- A. Controlling physical access to compute resources
- B. Patch management on the EC2 instances operating system
- C. Encryption of EBS (Elastic Block Storage) volumes
- D. Life-cycle management of IAM credentials
- E. Decommissioning storage devices
- F. Security Group and ACL (Access Control List) settings

**Answer:** BCEF

#### NEW QUESTION 231

A user is using the AWS SQS to decouple the services. Which of the below mentioned operations is not supported by SQS?

- A. SendMessageBatch
- B. DeleteMessageBatch
- C. CreateQueue
- D. DeleteMessageQueue

**Answer:** D

**Explanation:**

Amazon Simple Queue Service (SQS) is a fast, reliable, scalable, and fully managed message queuing service. SQS provides a simple and cost-effective way to decouple the components of an application. The user can perform the following set of operations using the Amazon SQS:

CreateQueue, ListQueues, DeleteQueue, SendMessage, SendMessageBatch, ReceiveMessage, DeleteMessage, DeleteMessageBatch, ChangeMessageVisibility, ChangeMessageVisibilityBatch, SetQueueAttributes, GetQueueAttributes, GetQueueUrl, AddPermission and RemovePermission. Operations can be performed only by the AWS account owner or an AWS account that the account owner has delegated to.

#### NEW QUESTION 236

A user is planning to scale up an application by 8 AM and scale down by 7 PM daily using Auto Scaling. What should the user do in this case?

- A. Setup the scaling policy to scale up and down based on the CloudWatch alarms
- B. The user should increase the desired capacity at 8 AM and decrease it by 7 PM manually
- C. The user should setup a batch process which launches the EC2 instance at a specific time
- D. Setup scheduled actions to scale up or down at a specific time

**Answer:** A

**Explanation:**

Auto Scaling based on a schedule allows the user to scale the application in response to predictable load changes. To configure the Auto Scaling group to scale based on a schedule, the user needs to create scheduled actions. A scheduled action tells Auto Scaling to perform a scaling action at a certain time in the future.

#### NEW QUESTION 240

A user has created a VPC with the public and private subnets using the VPC wizard. The VPC has CIDR 20.0.0.0/16. The public subnet uses CIDR 20.0.1.0/24. The user is planning to host a web server in the public subnet (port 80) and a DB server in the private subnet (port 3306). The user is configuring a security group for the public subnet (WebSecGrp) and the private subnet (DBSecGrp). Which of the below mentioned entries is required in the private subnet database security group (DBSecGrp)?

- A. Allow Inbound on port 3306 for Source Web Server Security Group (WebSecGr)
- B. Allow Inbound on port 3306 from source 20.0.0.0/16
- C. Allow Outbound on port 3306 for Destination Web Server Security Group (WebSecGr)
- D. Allow Outbound on port 80 for Destination NAT Instance IP

**Answer:** A

**Explanation:**

A user can create a subnet with VPC and launch instances inside that subnet. If the user has created a public private subnet to host the web server and DB server respectively, the user should configure that the instances in the private subnet can receive inbound traffic from the public subnet on the DB port. Thus, configure port 3306 in Inbound with the source as the Web Server Security Group (WebSecGrp). The user should configure ports 80 and 443 for Destination 0.0.0.0/0 as the route table directs traffic to the NAT instance from the private subnet.

#### NEW QUESTION 242

An organization has setup Auto Scaling with ELB. Due to some manual error, one of the instances got rebooted. Thus, it failed the Auto Scaling health check. Auto Scaling has marked it for replacement. How can the system admin ensure that the instance does not

get terminated?

- A. Update the Auto Scaling group to ignore the instance reboot event
- B. It is not possible to change the status once it is marked for replacement
- C. Manually add that instance to the Auto Scaling group after reboot to avoid replacement
- D. Change the health of the instance to healthy using the Auto Scaling commands

**Answer: D**

**Explanation:**

After an instance has been marked unhealthy by Auto Scaling, as a result of an Amazon EC2 or ELB health check, it is almost immediately scheduled for replacement as it will never automatically recover its health. If the user knows that the instance is healthy then he can manually call the SetInstanceHealth action (or the as-setinstance-health command from CLI. to set the instance's health status back to healthy. Auto Scaling will throw an error if the instance is already terminating or else it will mark it healthy.

**NEW QUESTION 247**

A user is having data generated randomly based on a certain event. The user wants to upload that data to CloudWatch. It may happen that event may not have data generated for some period due to randomness. Which of the below mentioned options is a recommended option for this case?

- A. For the period when there is no data, the user should not send the data at all
- B. For the period when there is no data the user should send a blank value
- C. For the period when there is no data the user should send the value as 0
- D. The user must upload the data to CloudWatch as having no data for some period will cause an error at CloudWatch monitoring

**Answer: C**

**Explanation:**

AWS CloudWatch supports the custom metrics. The user can always capture the custom data and upload the data to CloudWatch using CLI or APIs. When the user data is more random and not generated at regular intervals, there can be a period which has no associated data. The user can either publish the zero (0) Value for that period or not publish the data at all. It is recommended that the user should publish zero instead of no value to monitor the health of the application. This is helpful in an alarm as well as in the generation of the sample data count.

**NEW QUESTION 252**

A user has created a VPC with public and private subnets using the VPC wizard. The VPC has CIDR 20.0.0.0/16. The private subnet uses CIDR 20.0.0.0/24 . The NAT instance ID is i-a12345. Which of the below mentioned entries are required in the main route table attached with the private subnet to allow instances to connect with the internet?

- A. Destination: 0.0.0.0/0 and Target: i-a12345
- B. Destination: 20.0.0.0/0 and Target: 80
- C. Destination: 20.0.0.0/0 and Target: i-a12345
- D. Destination: 20.0.0.0/24 and Target: i-a12345

**Answer: A**

**Explanation:**

A user can create a subnet with VPC and launch instances inside that subnet. If the user has created a public private subnet, the instances in the public subnet can receive inbound traffic directly from the Internet, whereas the instances in the private subnet cannot. If these subnets are created with Wizard, AWS will create two route tables and attach to the subnets. The main route table will have the entry "Destination: 0.0.0.0/0 and Target: ia12345", which allows all the instances in the private subnet to connect to the internet using NAT.

**NEW QUESTION 256**

A user has configured an EC2 instance in the US-East-1a zone. The user has enabled detailed monitoring of the instance. The user is trying to get the data from CloudWatch using a CLI. Which of the below mentioned CloudWatch endpoint URLs should the user use?

- A. monitoring.us-east-1.amazonaws.com
- B. monitoring.us-east-1-a.amazonaws.com
- C. monitoring.us-east-1a.amazonaws.com
- D. cloudwatch.us-east-1a.amazonaws.com

**Answer: A**

**Explanation:**

The CloudWatch resources are always region specific and they will have the end point as region specific. If the user is trying to access the metric in the US-East-1 region, the endpoint URL will be: monitoring.us-east- 1.amazonaws.com

**NEW QUESTION 260**

A root account owner has given full access of his S3 bucket to one of the IAM users using the bucket ACL. When the IAM user logs in to the S3 console, which actions can he perform?

- A. He can just view the content of the bucket
- B. He can do all the operations on the bucket
- C. It is not possible to give access to an IAM user using ACL
- D. The IAM user can perform all operations on the bucket using only API/SDK

**Answer: C**

**Explanation:**

Each AWS S3 bucket and object has an ACL (Access Control List, associated with it. An ACL is a list of grants identifying the grantee and the permission granted. The user can use ACLs to grant basic read/write permissions to other AWS accounts. ACLs use an Amazon S3-specific XML schema. The user cannot grant permissions to other users (IAM users, in his account).

**NEW QUESTION 262**

A user has configured ELB with Auto Scaling. The user suspended the Auto Scaling AlarmNotification (which notifies Auto Scaling for CloudWatch alarms, process for a while. What will Auto Scaling do during this period?

- A. AWS will not receive the alarms from CloudWatch
- B. AWS will receive the alarms but will not execute the Auto Scaling policy
- C. Auto Scaling will execute the policy but it will not launch the instances until the process is resumed
- D. It is not possible to suspend the AlarmNotification process

**Answer:** B

**Explanation:**

Auto Scaling performs various processes, such as Launch, Terminate Alarm Notification etc. The user can also suspend individual process. The AlarmNotification process type accepts notifications from the Amazon CloudWatch alarms that are associated with the Auto Scaling group. If the user suspends this process type, Auto Scaling will not automatically execute the scaling policies that would be triggered by the alarms.

**NEW QUESTION 266**

A user has created a VPC with public and private subnets using the VPC wizard. The user has not launched any instance manually and is trying to delete the VPC. What will happen in this scenario?

- A. It will not allow to delete the VPC as it has subnets with route tables
- B. It will not allow to delete the VPC since it has a running route instance
- C. It will terminate the VPC along with all the instances launched by the wizard
- D. It will not allow to delete the VPC since it has a running NAT instance

**Answer:** D

**Explanation:**

A Virtual Private Cloud (VPC) is a virtual network dedicated to the user's AWS account. A user can create a subnet with VPC and launch instances inside that subnet. If the user has created a public private subnet, the instances in the public subnet can receive inbound traffic directly from the Internet, whereas the instances in the private subnet cannot. If these subnets are created with Wizard, AWS will create a NAT instance with an elastic IP. If the user is trying to delete the VPC it will not allow as the NAT instance is still running.

**NEW QUESTION 269**

A user runs the command "dd if=/dev/zero of=/dev/xvdfbs=1M" on a fresh blank EBS volume attached to a Linux instance. Which of the below mentioned activities is the user performing with the command given above?

- A. Creating a file system on the EBS volume
- B. Mounting the device to the instance
- C. Pre warming the EBS volume
- D. Formatting the EBS volume

**Answer:** C

**Explanation:**

When the user creates a new EBS volume and is trying to access it for the first time it will encounter reduced IOPS due to wiping or initiating of the block storage. To avoid this as well as achieve the best performance it is required to pre warm the EBS volume. For a blank volume attached with a Linux OS, the "dd" command is used to write to all the blocks on the device. In the command "dd if=/dev/zero of=/dev/xvdfbs=1M" the parameter "if =import file" should be set to one of the Linux virtual devices, such as /dev/zero. The "of=output file" parameter should be set to the drive that the user wishes to warm. The "bs" parameter sets the block size of the write operation; for optimal performance, this should be set to 1 MB.

**NEW QUESTION 274**

An organization (Account ID 123412341234, has attached the below mentioned IAM policy to a user. What does this policy statement entitle the user to perform?

```
{
  "Version": "2012-10-17",
  "Statement": [{
    "Sid": "AllowUsersAllActionsForCredentials",
    "Effect": "Allow",
    "Action": [
      "iam:*LoginProfile",
      "iam:*AccessKey*",
      "iam:*SigningCertificate*"
    ],
    "Resource": ["arn:aws:iam:: 123412341234:user/${aws:username}"]
  }]
}
```

- A. The policy allows the IAM user to modify all IAM user's credentials using the console, SDK, CLI or APIs
- B. The policy will give an invalid resource error
- C. The policy allows the IAM user to modify all credentials using only the console

D. The policy allows the user to modify all IAM user's password, sign in certificates and access keys using only CLI, SDK or APIs

**Answer:** D

**Explanation:**

WS Identity and Access Management is a web service which allows organizations to manage users and user permissions for various AWS services. If the organization (Account ID 123412341234. wants some of their users to manage credentials (access keys, password, and sing in certificates. of all IAM users, they should set an applicable policy to that user or group of users. The below mentioned policy allows the IAM user to modify the credentials of all IAM user's using only CLI, SDK or APIs. The user cannot use the AWS console for this activity since he does not have list permission for the IAM users.

```
{
"Version": "2012-10-17",
"Statement": [{
"Sid": "AllowUsersAllActionsForCredentials",
"Effect": "Allow"
"Action": [
"iam:*LoginProfile",
"iam:*AccessKey*",
"iam:*SigningCertificate*"
],
"Resource": ["arn:aws:iam::123412341234:user:${aws:username}"]
}
}
Amazon AWS-SysOps : Practice Test
}}
```

**NEW QUESTION 278**

A user is planning to use AWS services for his web application. If the user is trying to set up his own billing management system for AWS, how can he configure it?

- A. Set up programmatic billing acces
- B. Download and parse the bill as per the requirement
- C. It is not possible for the user to create his own billing management service with AWS
- D. Enable the AWS CloudWatch alarm which will provide APIs to download the alarm data
- E. Use AWS billing APIs to download the usage report of each service from the AWS billing console

**Answer:** A

**Explanation:**

AWS provides an option to have programmatic access to billing. Programmatic Billing Access leverages the existing Amazon Simple Storage Service (Amazon S3. APIs. Thus, the user can build applications that reference his billing data from a CSV (comma-separated value. file stored in an Amazon S3 bucket. AWS will upload the bill to the bucket every few hours and the user can download the bill CSV from the bucket, parse itand create a billing system as per the requirement.

**NEW QUESTION 283**

A user is using Cloudformation to launch an EC2 instance and then configure an application after the instance is launched. The user wants the stack creation of ELB and AutoScaling to wait until the EC2 instance is launched and configured properly. How can the user configure this?

- A. It is not possible that the stack creation will wait until one service is created and launched
- B. The user can use the HoldCondition resource to wait for the creation of the other dependent resources
- C. The user can use the DependentCondition resource to hold the creation of the other dependent resources
- D. The user can use the WaitCondition resource to hold the creation of the other dependent resources

**Answer:** D

**Explanation:**

AWS Cloudformation is an application management tool which provides application modelling, deployment, configuration, management and related activities. AWS CloudFormation provides a WaitCondition resource which acts as a barrier and blocks the creation of other resources until a completion signal is received from an external source, such as a user application or management system.

**NEW QUESTION 287**

A user has launched an EC2 instance from an instance store backed AMI. If the user restarts the instance, what will happen to the ephermal storage data?

- A. All the data will be erased but the ephermal storage will stay connected
- B. All data will be erased and the ephermal storage is released
- C. It is not possible to restart an instance launched from an instance store backed AMI
- D. The data is preserved

**Answer:** D

**Explanation:**

A user can reboot an EC2 instance using the AWS console, the Amazon EC2 CLI or the Amazon EC2 API. Rebooting an instance is equivalent to rebooting an operating system. However, it is recommended that the user use Amazon EC2 to reboot the instance instead of running the operating system reboot command from the instance. When an instance launched from an instance store backed AMI is rebooted all the ephermal storage data is still preserved.

**NEW QUESTION 289**

How can you secure data at rest on an EBS volume?

- A. Encrypt the volume using the S3 server-side encryption service
- B. Attach the volume to an instance using EC2's SSL interface
- C. Create an IAM policy that restricts read and write access to the volume
- D. Write the data randomly instead of sequentially
- E. Use an encrypted file system on top of the EBS volume

**Answer:** C

**Explanation:** Reference:

[http://docs.aws.amazon.com/IAM/latest/UserGuide/policies\\_examples.html](http://docs.aws.amazon.com/IAM/latest/UserGuide/policies_examples.html)

#### NEW QUESTION 293

An application you maintain consists of multiple EC2 instances in a default tenancy VPC. This application has undergone an internal audit and has been determined to require dedicated hardware for one instance. Your compliance team has given you a week to move this instance to single-tenant hardware. Which process will have minimal impact on your application while complying with this requirement?

- A. Create a new VPC with tenancy=dedicated and migrate to the new VPC
- B. Use `ec2-reboot-instances` command line and set the parameter "dedicated=true"
- C. Right click on the instance, select properties and check the box for dedicated tenancy
- D. Stop the instance, create an AMI, launch a new instance with tenancy=dedicated, and terminate the old instance

**Answer:** A

**Explanation:** Reference:

<http://docs.aws.amazon.com/AWSEC2/latest/CommandLineReference/ApiReference-cmd-CreateVpc.html>

#### NEW QUESTION 297

A user has created a VPC with the public subnet. The user has created a security group for that VPC. Which of the below mentioned statements is true when a security group is created?

- A. It can connect to the AWS services, such as S3 and RDS by default
- B. It will have all the inbound traffic by default
- C. It will have all the outbound traffic by default
- D. It will by default allow traffic to the internet gateway

**Answer:** C

**Explanation:**

A Virtual Private Cloud (VPC) is a virtual network dedicated to the user's AWS account. AWS provides two features the user can use to increase security in VPC: security groups and network ACLs. Security groups work at the instance level while ACLs work at the subnet level. When a user creates a security group with AWS VPC, by default it will allow all the outbound traffic but block all inbound traffic.

#### NEW QUESTION 301

A user has enabled versioning on an S3 bucket. The user is using server side encryption for data at rest. If the user is supplying his own keys for encryption (SSE-C), what is recommended to the user for the purpose of security?

- A. The user should not use his own security key as it is not secure
- B. Configure S3 to rotate the user's encryption key at regular intervals
- C. Configure S3 to store the user's keys securely with SSL
- D. Keep rotating the encryption key manually at the client side

**Answer:** D

**Explanation:**

AWS S3 supports client side or server side encryption to encrypt all data at Rest. The server side encryption can either have the S3 supplied AES-256 encryption key or the user can send the key along with each API call to supply his own encryption key (SSE-C). Since S3 does not store the encryption keys in SSE-C, it is recommended that the user should manage keys securely and keep rotating them regularly at the client side version.

#### NEW QUESTION 306

A user has launched an RDS PostgreSQL DB with AWS. The user did not specify the maintenance window during creation. The user has configured RDS to update the DB instance type from micro to large. If the user wants to have it during the maintenance window, what will AWS do?

- A. AWS will not allow to update the DB until the maintenance window is configured
- B. AWS will select the default maintenance window if the user has not provided it
- C. AWS will ask the user to specify the maintenance window during the update
- D. It is not possible to change the DB size from micro to large with RDS

**Answer:** B

**Explanation:**

AWS RDS has a compulsory maintenance window which by default is 30 minutes. If the user does not specify the maintenance window during the creation of RDS then AWS will select a 30-minute maintenance window randomly from an 8-hour block of time per region. In this case, Amazon RDS assigns a 30-minute maintenance window on a randomly selected day of the week.

**NEW QUESTION 309**

An organization has created 10 IAM users. The organization wants each of the IAM users to have access to a separate DynamoDB table. All the users are added to the same group and the organization wants to setup a group level policy for this. How can the organization achieve this?

- A. Define the group policy and add a condition which allows the access based on the IAM name
- B. Create a DynamoDB table with the same name as the IAM user name and define the policy rule which grants access based on the DynamoDB ARN using a variable
- C. Create a separate DynamoDB database for each user and configure a policy in the group based on the DB variable
- D. It is not possible to have a group level policy which allows different IAM users to different DynamoDB Tables

**Answer: D**

**Explanation:**

AWS Identity and Access Management is a web service which allows organizations to manage users and user permissions for various AWS services. AWS DynamoDB has only tables and the organization cannot make separate databases. The organization should create a table with the same name as the IAM user name and use the ARN of DynamoDB as part of the group policy. The sample policy is shown below:

```
{
  "Version": "2012-10-17",
  "Statement": [{
    "Effect": "Allow",
    "Action": ["dynamodb:*"],
    "Resource": "arn:aws:dynamodb:region:account-number-without-hyphens:table/${aws:username}"
  }]
}
```

**NEW QUESTION 310**

A user has setup a custom application which generates a number in decimals. The user wants to track that number and setup the alarm whenever the number is above a certain limit. The application is sending the data to CloudWatch at regular intervals for this purpose. Which of the below mentioned statements is not true with respect to the above scenario?

- A. The user can get the aggregate data of the numbers generated over a minute and send it to CloudWatch
- B. The user has to supply the timezone with each data point
- C. CloudWatch will not truncate the number until it has an exponent larger than 126 (i.e.  $1 \times 10^{126}$ ).
- D.  $(1 \times 10^{126})$ .
- E. The user can create a file in the JSON format with the metric name and value and supply it to CloudWatch

**Answer: B**

**NEW QUESTION 314**

Amazon EBS snapshots have which of the following two characteristics? (Choose 2.) Choose 2 answers

- A. EBS snapshots only save incremental changes from snapshot to snapshot
- B. EBS snapshots can be created in real-time without stopping an EC2 instance
- C. EBS snapshots can only be restored to an EBS volume of the same size or smaller
- D. EBS snapshots can only be restored and mounted to an instance in the same Availability Zone as the original EBS volume

**Answer: AD**

**NEW QUESTION 317**

A user has scheduled the maintenance window of an RDS DB on Monday at 3 AM. Which of the below mentioned events may force to take the DB instance offline during the maintenance window?

- A. Enabling Read Replica
- B. Making the DB Multi AZ
- C. DB password change
- D. Security patching

**Answer: D**

**Explanation:**

Amazon RDS performs maintenance on the DB instance during a user-definable maintenance window. The system may be offline or experience lower performance during that window. The only maintenance events that may require RDS to make the DB instance offline are: Scaling compute operations Software patching. Required software patching is automatically scheduled only for patches that are security and durability related. Such patching occurs infrequently (typically once every few months, and seldom requires more than a fraction of the maintenance window).

**NEW QUESTION 322**

A user has launched an EC2 instance from an instance store backed AMI. The infrastructure team wants to create an AMI from the running instance. Which of the below mentioned credentials is not required while creating the AMI?

- A. AWS account ID
- B. X.509 certificate and private key
- C. AWS login ID to login to the console
- D. Access key and secret access key

**Answer: C**

**Explanation:**

When the user has launched an EC2 instance from an instance store backed AMI and the admin team wants to create an AMI from it, the user needs to setup the AWS CLI or the API tools first. Once the tool is setup the user will need the following credentials:

AWS account ID;  
AWS access and secret access key;  
X.509 certificate with private key.

**NEW QUESTION 327**

A user has created a mobile application which makes calls to DynamoDB to fetch certain data. The application is using the DynamoDB SDK and root account access/secret access key to connect to DynamoDB from mobile. Which of the below mentioned statements is true with respect to the best practice for security in this scenario?

- A. The user should create a separate IAM user for each mobile application and provide DynamoDB access with it
- B. The user should create an IAM role with DynamoDB and EC2 access
- C. Attach the role with EC2 and route all calls from the mobile through EC2
- D. The application should use an IAM role with web identity federation which validates calls to DynamoDB with identity providers, such as Google, Amazon, and Facebook
- E. Create an IAM Role with DynamoDB access and attach it with the mobile application

**Answer:** C

**Explanation:**

With AWS IAM a user is creating an application which runs on an EC2 instance and makes requests to AWS, such as DynamoDB or S3 calls. Here it is recommended that the user should not create an IAM user and pass the user's credentials to the application or embed those credentials inside the application. If the user is creating an app that runs on a mobile phone and makes requests to AWS, the user should not create an IAM user and distribute the user's access key with the app. Instead, he should use an identity provider, such as Login with Amazon, Facebook, or Google to authenticate the users, and then use that identity to get temporary security credentials.

**NEW QUESTION 330**

A user has created a subnet in VPC and launched an EC2 instance within it. The user has not selected the option to assign the IP address while launching the instance. The user has 3 elastic IPs and is trying to assign one of the Elastic IPs to the VPC instance from the console. The console does not show any instance in the IP assignment screen. What is a possible reason that the instance is unavailable in the assigned IP console?

- A. The IP address may be attached to one of the instances
- B. The IP address belongs to a different zone than the subnet zone
- C. The user has not created an internet gateway
- D. The IP addresses belong to EC2 Classic; so they cannot be assigned to VPC

**Answer:** D

**Explanation:**

A Virtual Private Cloud (VPC) is a virtual network dedicated to the user's AWS account. A user can create a subnet with VPC and launch instances inside that subnet. When the user is launching an instance he needs to select an option which attaches a public IP to the instance. If the user has not selected the option to attach the public IP then it will only have a private IP when launched. If the user wants to connect to an instance from the internet he should create an elastic IP with VPC. If the elastic IP is a part of EC2 Classic it cannot be assigned to a VPC instance.

**NEW QUESTION 334**

A user is measuring the CPU utilization of a private data centre machine every minute. The machine provides the aggregate of data every hour, such as Sum of data, "Min value", "Max value, and "Number of Data points".

The user wants to send these values to CloudWatch. How can the user achieve this?

- A. Send the data using the put-metric-data command with the aggregate-values parameter
- B. Send the data using the put-metric-data command with the average-values parameter
- C. Send the data using the put-metric-data command with the statistic-values parameter
- D. Send the data using the put-metric-data command with the aggregate -data parameter

**Answer:** C

**Explanation:**

AWS CloudWatch supports the custom metrics. The user can always capture the custom data and upload the data to CloudWatch using CLI or APIs. The user can publish the data to CloudWatch as single data points or as an aggregated set of data points called a statistic set using the command put-metric-data. When sending the aggregate data, the user needs to send it with the parameter statistic-values: `awscloudwatch put-metric-data --metric-name <Name> --namespace <Custom namespace> --timestamp <UTC Format> --statistic-values Sum=XX,Minimum=YY,Maximum=AA,SampleCount=BB --unit Milliseconds`

**NEW QUESTION 335**

A user is planning to schedule a backup for an EBS volume. The user wants security of the snapshot data. How can the user achieve data encryption with a snapshot?

- A. Use encrypted EBS volumes so that the snapshot will be encrypted by AWS
- B. While creating a snapshot select the snapshot with encryption
- C. By default the snapshot is encrypted by AWS
- D. Enable server side encryption for the snapshot using S3

**Answer:** A

**Explanation:**

AWS EBS supports encryption of the volume. It also supports creating volumes from existing snapshots provided the snapshots are created from encrypted volumes. The data at rest, the I/O as well as all the snapshots of the encrypted EBS will also be encrypted. EBS encryption is based on the AES-256 cryptographic algorithm, which is the industry standard.

**NEW QUESTION 337**

A user has created a VPC with public and private subnets. The VPC has CIDR 20.0.0.0/16. The private subnet uses CIDR 20.0.1.0/24 and the public subnet uses CIDR 20.0.0.0/24. The user is planning to host a web server in the public subnet (port 80) and a DB server in the private subnet (port 3306). The user is configuring a security group of the NAT instance. Which of the below mentioned entries is not required for the NAT security group?

- A. For Inbound allow Source: 20.0.1.0/24 on port 80
- B. For Outbound allow Destination: 0.0.0.0/0 on port 80
- C. For Inbound allow Source: 20.0.0.0/24 on port 80
- D. For Outbound allow Destination: 0.0.0.0/0 on port 443

**Answer: C**

**Explanation:**

A user can create a subnet with VPC and launch instances inside that subnet. If the user has created a public private subnet to host the web server and DB server respectively, the user should configure that the instances in the private subnet can connect to the internet using the NAT instances. The user should first configure that NAT can receive traffic on ports 80 and 443 from the private subnet. Thus, allow ports 80 and 443 in Inbound for the private subnet 20.0.1.0/24. Now to route this traffic to the internet configure ports 80 and Amazon AWS-SysOps : Practice Test 443 in Outbound with destination 0.0.0.0/0. The NAT should not have an entry for the public subnet CIDR.

**NEW QUESTION 339**

A user has setup an EBS backed instance and attached 2 EBS volumes to it. The user has setup a CloudWatch alarm on each volume for the disk data. The user has stopped the EC2 instance and detached the EBS volumes. What will be the status of the alarms on the EBS volume?

- A. OK
- B. Insufficient Data
- C. Alarm
- D. The EBS cannot be detached until all the alarms are removed

**Answer: B**

**Explanation:**

Amazon CloudWatch alarm watches a single metric over a time period that the user specifies and performs one or more actions based on the value of the metric relative to a given threshold over a number of time periods. Alarms invoke actions only for sustained state changes. There are three states of the alarm: OK, Alarm and Insufficient data. In this case since the EBS is detached and inactive the state will be Insufficient.

**NEW QUESTION 342**

A user has launched an EC2 instance. However, due to some reason the instance was terminated. If the user wants to find out the reason for termination, where can he find the details?

- A. It is not possible to find the details after the instance is terminated
- B. The user can get information from the AWS console, by checking the Instance description under the State transition reason label
- C. The user can get information from the AWS console, by checking the Instance description under the Instance Status Change reason label
- D. The user can get information from the AWS console, by checking the Instance description under the Instance Termination reason label

**Answer: D**

**Explanation:**

An EC2 instance, once terminated, may be available in the AWS console for a while after termination. The user can find the details about the termination from the description tab under the label State transition reason. If the instance is still running, there will be no reason listed. If the user has explicitly stopped or terminated the instance, the reason will be "User initiated shutdown".

**NEW QUESTION 343**

A user has configured ELB with SSL using a security policy for secure negotiation between the client and load balancer. The ELB security policy supports various ciphers. Which of the below mentioned options helps identify the matching cipher at the client side to the ELB cipher list when client is requesting ELB DNS over SSL?

- A. Cipher Protocol
- B. Client Configuration Preference
- C. Server Order Preference
- D. Load Balancer Preference

**Answer: C**

**Explanation:**

Elastic Load Balancing uses a Secure Socket Layer (SSL) negotiation configuration which is known as a Security Policy. It is used to negotiate the SSL connections between a client and the load balancer. When client is requesting ELB DNS over SSL and if the load balancer is configured to support the Server Order Preference, then the load balancer gets to select the first cipher in its list that matches any one of the ciphers in the client's list. Server Order Preference ensures that the load balancer determines which cipher is used for the SSL connection.

**NEW QUESTION 344**

Which of the below mentioned AWS RDS logs cannot be viewed from the console for MySQL?

- A. Error Log
- B. Slow Query Log
- C. Transaction Log
- D. General Log

**Answer: C**

**Explanation:**

The user can view, download, and watch the database logs using the Amazon RDS console, the Command Line Interface (CLI), or the Amazon RDS API. For the MySQL RDS, the user can view the error log, slow querylog, and general logs. RDS does not support viewing the transaction logs.

**NEW QUESTION 345**

A user is trying to connect to a running EC2 instance using SSH. However, the user gets a Host key not found error. Which of the below mentioned options is a possible reason for rejection?

- A. The user has provided the wrong user name for the OS login
- B. The instance CPU is heavily loaded
- C. The security group is not configured properly
- D. The access key to connect to the instance is wrong

**Answer: A**

**Explanation:**

If the user is trying to connect to a Linux EC2 instance and receives the Host Key not found error the probable reasons are: The private key pair is not right The user name to login is wrong

**NEW QUESTION 349**

A user has launched multiple EC2 instances for the purpose of development and testing in the same region. The user wants to find the separate cost for the production and development instances. How can the user find the cost distribution?

- A. The user should download the activity report of the EC2 services as it has the instance ID wise data
- B. It is not possible to get the AWS cost usage data of single region instances separately
- C. The user should use Cost Distribution Metadata and AWS detailed billing
- D. The user should use Cost Allocation Tags and AWS billing reports

**Answer: D**

**Explanation:**

AWS provides cost allocation tags to categorize and track the AWS costs. When the user applies tags to his AWS resources (such as Amazon EC2 instances or Amazon S3 buckets.), AWS generates a cost allocation report as a comma-separated value (CSV file) with the usage and costs aggregated by those tags. The user can apply tags which represent business categories (such as cost centres, application names, or instance type – Production/Dev. to organize usage costs across multiple services.

**NEW QUESTION 350**

A user is trying to create a PIOPS EBS volume with 4000 IOPS and 100 GB size. AWS does not allow the user to create this volume. What is the possible root cause for this?

- A. The ratio between IOPS and the EBS volume is higher than 30
- B. The maximum IOPS supported by EBS is 3000
- C. The ratio between IOPS and the EBS volume is lower than 50
- D. PIOPS is supported for EBS higher than 500 GB size

**Answer: A**

**Explanation:**

A provisioned IOPS EBS volume can range in size from 10 GB to 1 TB and the user can provision up to 4000 IOPS per volume. The ratio of IOPS provisioned to the volume size requested should be a maximum of 30; for example, a volume with 3000 IOPS must be at least 100 GB.

**NEW QUESTION 354**

A user has hosted an application on EC2 instances. The EC2 instances are configured with ELB and Auto Scaling. The application server session time out is 2 hours. The user wants to configure connection draining to ensure that all in-flight requests are supported by ELB even though the instance is being deregistered. What time out period should the user specify for connection draining?

- A. 5 minutes
- B. 1 hour
- C. 30 minutes
- D. 2 hours

**Answer: B**

**NEW QUESTION 356**

A user has launched an EC2 instance. The instance got terminated as soon as it was launched. Which of the below mentioned options is not a possible reason for this?

- A. The user account has reached the maximum EC2 instance limit
- B. The snapshot is corrupt
- C. The AMI is missin
- D. It is the required part
- E. The user account has reached the maximum volume limit

**Answer:** A

**Explanation:**

When the user account has reached the maximum number of EC2 instances, it will not be allowed to launch an instance. AWS will throw an 'InstanceLimitExceeded' error. For all other reasons, such as "AMI is missing part", "Corrupt Snapshot" or "Volume limit has reached" it will launch an EC2 instance and then terminate it.

**NEW QUESTION 361**

A user has setup an Auto Scaling group. The group has failed to launch a single instance for more than 24 hours. What will happen to Auto Scaling in this condition?

- A. Auto Scaling will keep trying to launch the instance for 72 hours
- B. Auto Scaling will suspend the scaling process
- C. Auto Scaling will start an instance in a separate region
- D. The Auto Scaling group will be terminated automatically

**Answer:** B

**Explanation:**

If Auto Scaling is trying to launch an instance and if the launching of the instance fails continuously, it will suspend the processes for the Auto Scaling groups since it repeatedly failed to launch an instance. This is known as an administrative suspension. It commonly applies to the Auto Scaling group that has no running instances which is trying to launch instances for more than 24 hours, and has not succeeded in that to do so.

**NEW QUESTION 363**

A .NET application that you manage is running in Elastic Beanstalk. Your developers tell you they will need access to application log files to debug issues that arise. The infrastructure will scale up and down.

How can you ensure the developers will be able to access only the log files?

- A. Access the log files directly from Elastic Beanstalk
- B. Enable log file rotation to S3 within the Elastic Beanstalk configuration
- C. Ask your developers to enable log file rotation in the applications web.config file
- D. Connect to each Instance launched by Elastic Beanstalk and create a Windows Scheduled task to rotate the log files to S3.

**Answer:** D

**Explanation:** Reference:

<http://docs.aws.amazon.com/elasticbeanstalk/latest/dg/using-features.loggingS3.title.html>

**NEW QUESTION 367**

.....

## Thank You for Trying Our Product

\* 100% Pass or Money Back

All our products come with a 90-day Money Back Guarantee.

\* One year free update

You can enjoy free update one year. 24x7 online support.

\* Trusted by Millions

We currently serve more than 30,000,000 customers.

\* Shop Securely

All transactions are protected by VeriSign!

**100% Pass Your AWS-SysOps Exam with Our Prep Materials Via below:**

<https://www.certleader.com/AWS-SysOps-dumps.html>