

Correct Answer: B

Explanation:

Amazon Simple Notification Service (Amazon SNS) is a fast, flexible, and fully managed push messaging service. Amazon SNS can deliver notifications by SMS text message or email to the Amazon Simple Queue Service (SQS) queues or to any HTTP endpoint. The user can configure some sensor devices at his home which receives data on the HTTP end point (REST calls) and turn on the red light. The user can configure the CloudWatch alarm to send a notification to the AWS SNS HTTP end point (the sensor device) and it will turn the light red when there is an alarm condition.

QUESTION 116

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

Correct 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.

QUESTION 117

A user has created an ELB with Auto Scaling. Which of the below mentioned offerings from ELB helps the user to stop sending new requests traffic from the load balancer to the EC2 instance when the instance is being deregistered while continuing in-flight requests?

- A. ELB sticky session
- B. ELB deregistration check
- C. ELB connection draining
- D. ELB auto registration Off

Correct 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.

QUESTION 118

A user is trying to setup a recurring Auto Scaling process. The user has setup one process to scale up every day at 8 am and scale down at 7 PM. The user is trying to setup another recurring process which scales up on the 1st of every month at 8 AM and scales down the same day at 7 PM. What will Auto Scaling do in this scenario?

- A. Auto Scaling will execute both processes but will add just one instance on the 1st
- B. Auto Scaling will add two instances on the 1st of the month

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- C. Auto Scaling will schedule both the processes but execute only one process randomly
- D. Auto Scaling will throw an error since there is a conflict in the schedule of two separate Auto Scaling Processes

Correct Answer: D

Explanation:

Auto Scaling based on a schedule allows the user to scale the application in response to predictable load changes. The user can also configure the recurring schedule action which will follow the Linux cron format. As per Auto Scaling, a scheduled action must have a unique time value. If the user attempts to schedule an activity at a time when another existing activity is already scheduled, the call will be rejected with an error message noting the conflict.

QUESTION 119

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?

"Statement": [

{

"Sid": "AllowUsersAllActionsForCredentials",

"Effect": "Allow",

"Action": [

"iam:*AccessKey*",

],

"Resource": ["arn:aws:iam:: 123412341234:user/\${aws:username}"]

}

]

- A. 0
- B. 0
- C. 0
- D. 0

Correct Answer: A

Explanation:

AWS 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 keys (access and secret access keys. of all IAM users, the organization should set the below mentioned policy which entitles the IAM user to modify keys of all IAM users with CLI, SDK or API.

"Statement": [

{

"Sid": "AllowUsersAllActionsForCredentials",

"Effect": "Allow",

"Action": [

"iam:*AccessKey*",

],

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```
"Resource": ["arn:aws:iam:: 123412341234:user/${aws:username}"] }
```

QUESTION 120

A user has setup a web application on EC2. The user is generating a log of the application performance at every second. There are multiple entries for each second. If the user wants to send that data to CloudWatch every minute, what should he do?

- A. The user should send only the data of the 60th second as CloudWatch will map the receive data timezone with the sent data timezone.
- B. It is not possible to send the custom metric to CloudWatch every minute.
- C. Give CloudWatch the Min, Max, Sum, and SampleCount of a number of every minute.
- D. Calculate the average of one minute and send the data to CloudWatch.

Correct Answer: C

Explanation:

Amazon CloudWatch aggregates statistics according to the period length that the user has specified while getting data from CloudWatch. The user can publish as many data points as he wants with the same or similar time stamps. CloudWatch aggregates them by the period length when the user calls get statistics about those data points. CloudWatch records the average (sum of all items divided by the number of items. of the values received for every 1-minute period, as well as the number of samples, maximum value, and minimum value for the same time period. CloudWatch will aggregate all the data which have time stamps within a one-minute period.

QUESTION 121

A user has launched an EBS backed instance. The user started the instance at 9 AM in the morning. Between 9 AM to 10 AM, the user is testing some script. Thus, he stopped the instance twice and restarted it. In the same hour the user rebooted the instance once. For how many instance hours will AWS charge the user?

- A. 3 hours
- B. 4 hours
- C. 2 hours
- D. 1 hour

Correct Answer: A

Explanation:

A user can stop/start or 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. When the instance is rebooted AWS will not charge the user for the extra hours. In case the user stops the instance, AWS does not charge the running cost but charges only the EBS storage cost. If the user starts and stops the instance multiple times in a single hour, AWS will charge the user for every start and stop. In this case, since the instance was rebooted twice, it will cost the user for 3 instance hours.

QUESTION 122

A user has launched a large EBS backed EC2 instance in the US-East-1a region. The user wants to achieve Disaster Recovery (DR. for that instance by creating another small instance in Europe. How can the user achieve DR?

- A. Copy the running instance using the "Instance Copy" command to the EU region
- B. Create an AMI of the instance and copy the AMI to the EU region. Then launch the instance from the EU AMI

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- C. Copy the instance from the US East region to the EU region
- D. Use the "Launch more like this" option to copy the instance from one region to another

Correct Answer: B

Explanation:

To launch an EC2 instance it is required to have an AMI in that region. If the AMI is not available in that region, then create a new AMI or use the copy command to copy the AMI from one region to the other region.

QUESTION 123

A user has configured the Auto Scaling group with the minimum capacity as 3 and the maximum capacity as 5. When the user configures the AS group, how many instances will Auto Scaling launch?

- A. 3
- B. 0
- C. 5
- D. 2

Correct Answer: C

QUESTION 124

A user has configured CloudWatch monitoring on an EBS backed EC2 instance. If the user has not attached any additional device, which of the below mentioned metrics will always show a 0 value?

- A. DiskReadBytes
- B. NetworkIn
- C. NetworkOut
- D. CPUUtilization

Correct Answer: A

Explanation:

CloudWatch is used to monitor AWS as the well custom services. For EC2 when the user is monitoring the EC2 instances, it will capture the 7 Instance level and 3 system check parameters for the EC2 instance. Since this is an EBS backed instance, it will not have ephemeral storage attached to it. Out of the 7 EC2 metrics, the 4 metrics DiskReadOps, DiskWriteOps, DiskReadBytes and DiskWriteBytes are disk related data and available only when there is ephemeral storage attached to an instance. For an EBS backed instance without any additional device, this data will be 0.

QUESTION 125

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

Correct Answer: A

Explanation:

Amazon CloudWatch is basically a metrics repository. Either the user can send the custom data

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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.

QUESTION 126

A user has created numerous EBS volumes. What is the general limit for each AWS account for the maximum number of EBS volumes that can be created?

- A. 10000
- B. 5000
- C. 100
- D. 1000

Correct Answer: B

Explanation:

A user can attach multiple EBS volumes to the same instance within the limits specified by his AWS account. Each AWS account has a limit on the number of Amazon EBS volumes that the user can create, and the total storage available. The default limit for the maximum number of volumes that can be created is 5000.

QUESTION 127

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

Correct 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.

QUESTION 128

A user is launching an EC2 instance in the US East region. Which of the below mentioned options is recommended by AWS with respect to the selection of the availability zone?

- A. Always select the US-East-1-a zone for HA
- B. Do not select the AZ; instead let AWS select the AZ
- C. The user can never select the availability zone while launching an instance
- D. Always select the AZ while launching an instance

Correct Answer: B

Explanation:

When launching an instance with EC2, AWS recommends not to select the availability zone (AZ).. AWS specifies that the default Availability Zone should be accepted. This is because it enables

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