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MSAWS - Week 2 Quiz

Type	:	Graded Quiz
Attempts	:	3/3
Questions	:	10
Time	:	30m
Scoring Policy	:	Highest Score
Due Date	:	Jun 07, 11:00 PM
Your Score	:	25/25

Instructions

▼

Attempt History

Attempt #3	Marks: 25	▼
May 29, 10:17 PM		
Attempt #2	Marks: 25	▼
May 29, 10:15 PM		
Attempt #1	Marks: 25	▲
May 29, 10:08 PM		

Q No: 1

Correct Answer

Firehose cannot create a delivery stream to

☒ RDS

You Selected

☐ S3

☐ Redshift

☐ Elasticsearch

Q No: 2

Correct Answer

How do you point the EC2 CloudWatch agent towards your application logs for analysis?

☐ None of these

☐ Add the path of the folder where the log file is located and the agent will find it

☐ The agent will automatically scan and monitor all log files present on the disk

☒ Directly specify the log file name with the complete path

You Selected

The agent will not be able to find the log file on its own. The exact file needs to be specified along with the path where it is located.

Q No: 3

Correct Answer

Which of the following conditions are necessary for the CloudWatch Agent to run on an EC2 instance?

☐ The instance must allow SSH from anywhere

☒ The instance must have a role attached with permissions for CloudWatch

You Selected

☐ Port 80 (HTTP) must be open in the security group

☐ None of these

The agent must be able to communicate with the CloudWatch service from inside the EC2 instance, and that requires that the instance have an attached IAM role allowing them to connect to CloudWatch.

Q No: 4

Correct Answer

Which of these services need an EC2 agent?

☐ Athena

☐ Quicksight

☐ SQS

☒ Cloudwatch

You Selected

Q No: 5

Correct Answer

Which of these services is best for data streaming?

☐ Redshift

☒ Kinesis

You Selected

☐ Cloudwatch

☐ SQS

Q No: 6

Correct Answer

Which of the following is not a component of Kinesis?

☐ Shards

☒ Queue

You Selected

☐ Firehose

☐ Streams

Q No: 7

Correct Answer

What is the relationship between the frequency of data points and the data retention period in CloudWatch?

☐ Depends on the metric used

☐ None of these

☐ Directly proportional

☒ Inversely Proportional

You Selected

The more the frequency of the datapoint, the shorter the time duration for which it is available after which they are available with a higher time period. For example, for a metric with a period of 1 minute, the data is available for 15 days with a 1-minute resolution after which the data is aggregated to have a resolution of 5 minutes.

Q No: 8

Correct Answer

You have written a Lambda function that receives data from a Kinesis stream, performs a transformation on each data record and returns them back to the stream for further processing and storage. Which metadata will you use to ensure that every data record is returned to the same shard from which it was retrieved?

☐ Sequence number

☐ Consumer ID

☐ Shard ID

☒ Partition key

You Selected

The partition key is used to segregate data records based on the shards where they are located.

Q No: 9

Correct Answer

Assume you have a customer-facing application which is stateless. The deployment topology includes EC2 instances, target groups, launch configuration, and an application load balancer. Due to certain circumstances, the application in a few instances crashed. This caused the load on other healthy instances to increase. Which component is critical to ensure service availability and to ensure optimum capacity to serve customer traffic?

☐ Cloud Watch

☐ Load Balancer

☐ Route 53

☒ AutoScaling group

You Selected

An autoscaling group will ensure a minimum contribution to the load balancer, thus keeping the number of instances constant even if some instances crash.

Q No: 10

Correct Answer

“Self-healing” capabilities will typically comprise of what services??

☐ ALB, TargetGroup, DynamoDB, Lambda

☒ CloudWatch, ALB, ASG, Launch Config

You Selected

☐ ASG, Reserved EC2 instances, ALB, CloudWatch

☐ ALB, Route53, RDS, VPC

A typical "self-healing" set up depends on the launch config to launch instances when required, Application Load Balancer to balance traffic among the instances, an Autoscaling Group to ensure that a minimum number of instances stays active and CloudWatch to report on overutilization or underutilization of resources.

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