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QUESTION 1

A web-hosting company is building a web analytics tool to capture clickstream data from all of the websites hosted within its platform and to provide near-real-time business intelligence. This entire system is built on AWS services. The web- hosting company is interested in using Amazon Kinesis to collect this data and perform sliding window analytics.

What is the most reliable and fault-tolerant technique to get each website to send data to Amazon Kinesis with every click?

A. After receiving a request, each web server sends it to Amazon Kinesis using the Amazon Kinesis PutRecord API. Use the sessionID as a partition key and set up a loop to retry until a success response is received.

B. After receiving a request, each web server sends it to Amazon Kinesis using the Amazon Kinesis Producer Library .addRecords method.

C. Each web server buffers the requests until the count reaches 500 and sends them to Amazon Kinesis using the Amazon Kinesis PutRecord API call.

D. After receiving a request, each web server sends it to Amazon Kinesis using the Amazon Kinesis PutRecord API. Use the exponential back-off algorithm for retries until a successful response is received.

Correct Answer: A

QUESTION 2

In the Amazon CloudWatch, which metric should I be checking to ensure that your DB Instance has enough free storage space?

A. FreeStorage

B. FreeStorageSpace

C. FreeStorageVolume

D. FreeDBStorageSpace

Correct Answer: B

QUESTION 3

A data engineer wants to use an Amazon Elastic Map Reduce for an application. The data engineer needs to make sure it complies with regulatory requirements. The auditor must be able to confirm at any point which servers are running and which network access controls are deployed.

Which action should the data engineer take to meet this requirement?

A. Provide the auditor IAM accounts with the SecurityAudit policy attached to their group.

B. Provide the auditor with SSH keys for access to the Amazon EMR cluster.

C. Provide the auditor with CloudFormation templates.

D. Provide the auditor with access to AWS DirectConnect to use their existing tools.

Correct Answer: C

QUESTION 4

Does AWS Direct Connect allow you access to all Availabilities Zones within a Region?

A. Depends on the type of connection

B. No

C. Yes

D. Only when there\\'s just one availability zone in a region. If there are more than one, only one availability zone can be accessed directly.

Correct Answer: A

QUESTION 5

You have a large number of web servers in an Auto Scaling group behind a load balancer. On an hourly basis, you want to filter and process the logs to collect data on unique visitors, and then put that data in a durable data store in order to run reports. Web servers in the Auto Scaling group are constantly launching and terminating based on your scaling policies, but you do not want to lose any of the log data from these servers during a stop/termination initiated by a user or by Auto Scaling.

What two approaches will meet these requirements?

Choose 2 answers

A. Install an Amazon CloudWatch Logs Agent on every web server during the bootstrap process. Create a CloudWatch log group and define metric Filters to create custom metrics that track unique visitors from the streaming web server logs. Create a scheduled task on an Amazon EC2 instance that runs every hour to generate a new report based on the CloudWatch custom metrics

B. On the web servers, create a scheduled task that executes a script to rotate and transmit the logs to Amazon Glacier. Ensure that the operating system shutdown procedure triggers a logs transmission when the Amazon EC2 instance is stopped/terminated. Use Amazon Data pipeline to process data in Amazon Glacier and run reports every hour

C. On the web servers, create a scheduled task that executes a script to rotate and transmit the logs to an Amazon S3 bucket. Ensure that the operating system shutdown process triggers a logs transmission when the Amazon EC2 instance is stopped/terminated. Use AWS Data Pipeline to move log data from the Amazon S3 bucket to Amazon Redshift in order to process and run reports every hour

D. Install an AWS Data Pipeline Logs Agent on every web server during the bootstrap process. Create a log group object in AWS Data Pipeline, and define Metric filters to move processed log data directly from the web servers to Amazon Redshift and runs reports every hour

Correct Answer: AC