**Tutorials Dojo – Practice Exam – Timed Mode – 1**

**Final Results – 80% (52/65) – 05/30/2023**

**CSAA – Design Cost-Optimized Architectures - 50%**

**CSAA – Design High-Performing Architectures - 84.21%**

**CSAA – Design Resilient Architectures - 80%**

**CSAA – Design Secure Architectures - 79.17%**

**Questions to review –**

3. Create a native function or a stored procedure that invokes a Lambda function. Configure the Lambda Function to send Event Notifications to an Amazon SQS queue for the processing system to consume.

5. Company policy mandates the use of identity federation and role-based access control. Currently, the roles are already assigned using groups in the corporate Active Directory.

* IAM Roles
* AWS Directory Service AD Connector

17. Which of the services allows monitoring of all API calls in Redshift Instances and can also provide secured data for auditing and compliance purposes?

* AWS CloudTrail

19. Set up an Amazon EventBridge rule to detect S3 object PUT operations and set the target to the ECS Cluster to run a new ECS Task.

21. Create a solution that allows monitoring of multiple EC2 instances memory and disk utilization metrics.

* Install the CloudWatch Agent to all the EC2 instances that gather the memory and disk utilization data. View the custom metrics in the Amazon CloudWatch console.

23. To protect the confidential data of your customers, you have to ensure that your RDS database can only be accessed using the profile credentials specific to your EC2 instances via an authentication token.

* Enable the IAM DB Authentication

38. Closely monitor the different processes or threads on an RDS DB instances use of the CPU, including the percentage of the CPU bandwidth and total memory consumed by each process.

* Enable Enhanced Monitoring in RDS

39. Startup using RDS to store data from web app. Application has low user activity but it receives bursts of traffic within seconds whenever there is a new product announcement. Create a solution that will allow users around the globe to access the data using an API.

* Create an API using Amazon API Gateway and use AWS Lambda to handle the bursts of traffic in seconds

40. An audit team must be able to assess whether the services that a company is using meets common security and regulatory standards. A solutions architect needs to provide the team with a report of all compliance-related documents from their account.

* Use AWS Artifact to view the security reports as well as other AWS compliance-related information.

41. A Docker application, which is running on an Amazon ECS cluster behind a load balancer, is heavily using DynamoDB. You are instructed to improve the DB performance by distributing the workload evenly and using the provisioned throughput efficiently.

* Use partition keys with high-cardinality attributes, which have a large number of distinct values for each item

60. Which of the following will you need to consider so you can set up a solution that incorporates a single sign-on feature from your corporate AD or LDAP directory and also restricts access for each individual user to a designated user folder in an S3 bucket?

* Set up a Federation proxy or an Identity provider, and use AWS Security Token Service (STS) to generate temporary tokens
* Configure an IAM role and an IAM Policy to access the bucket