|  | Question | Points | Correct | Incorrect | Time (hh:mm:ss) | Results |
| --- | --- | --- | --- | --- | --- | --- |
| Category: **CDA - Deployment** | | | | | | |
| 1 | A development team is working on an AWS Serverless Application Model (SAM) application with its source code hosted on GitHub. A newly recruited developer clones the repository and observes that the SAM template contains references to AWS Lambda functions with CodeUri pointing to local file paths. The developer has added a new Lambda function and must redeploy the updated version to Production.  Which combination of steps must be taken to satisfy the requirement? (Select Two)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 2 | An application has recently been migrated from an on-premises data center to a development Elastic Beanstalk environment. A developer will do iterative tests and therefore needs to deploy code changes and view them as quickly as possible.  Which of the following options take the LEAST amount of time to complete the deployment?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 3 | A serverless application, which is composed of multiple Lambda functions, has been deployed using AWS SAM. A developer was instructed to easily manage the deployments of the functions using CodeDeploy. When there is a new deployment, 10 percent of the incoming traffic should be shifted to the new version every 10 minutes until all traffic is shifted from the old version.  What should the developer do to properly deploy the functions that satisfies this requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 4 | A company is deploying the package of its Lambda function, which is compressed as a ZIP file, to AWS. However, they are getting an error in the deployment process because the package is too large. The manager instructed the developer to keep the deployment package small to make the development process much easier and more modularized. This should also help prevent errors that may occur when dependencies are installed and packaged with the function code.  Which of the following options is the MOST suitable solution that the developer should implement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 5 | A developer is preparing the application specification (AppSpec) file in CodeDeploy, which will be used to deploy her Lambda functions to AWS. In the deployment, she needs to configure CodeDeploy to run a task before the traffic is shifted to the deployed Lambda function version.  Which deployment lifecycle event should she configure in this scenario?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:28 |  |
| 6 | Due to the popularity of serverless computing, your manager instructed you to share your technical expertise to the whole software development department of your company. You are planning to deploy a simple Node.js 'Hello World' Lambda function to AWS using CloudFormation.  Which of the following is the EASIEST way of deploying the function to AWS?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 7 | An application is hosted in Elastic Beanstalk, which is currently running in Java 7 runtime environment. A new version of the application is ready to be deployed, and the developer was tasked to upgrade the platform to Java 8 to accommodate the changes. All user traffic must be immediately directed to the new version. If problems arise, the developer should be able to quickly revert to the previous version.  Which of the following is the MOST appropriate action that the developer should do to upgrade the platform?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 8 | A company is heavily using a range of AWS services to host their enterprise applications. Currently, their deployment process still has a lot of manual steps which is why they plan to automate their software delivery process using continuous integration and delivery (CI/CD) pipelines in AWS. They will use CodePipeline to orchestrate each step of their release process and CodeDeploy for deploying applications to various compute platforms in AWS.  In this architecture, which of the following are valid considerations when using CodeDeploy? (Select TWO.)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:01:31 |  |
| Sub-Total: | | 8 | 8 (100%) | 0 (0%) | 00:01:59 | **100%** |
|  | | | | | | |
| Category: **CDA - Development with AWS Services** | | | | | | |
| 1 | A multinational e-commerce company hosts its product descriptions on an Amazon RDS database. All descriptions are originally written in English. Users can request on-demand translations via a Lambda function, which pulls the description and employs Amazon Translate's TranslateText API for the task. However, during sales of popular products, the surge in translation requests is stressing the RDS, causing increased response times.  How can a developer improve the Lambda function's response time in the most cost-effective manner without doing database optimizations?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 2 | You are planning to create a DynamoDB table for your employee profile website. This will be used by the Human Resources department to easily view details about each employee.  When choosing the partition key of the table, which of the following is the BEST attribute to use?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 3 | A company has developed a Lambda function that will send status updates to a third-party provider for analytics. You need to schedule this function to run every 30 minutes. Which of the following is the MOST manageable and cost-effective way of setting up this task?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 4 | A company has a website hosted in a multicontainer Docker environment in Elastic Beanstalk. There is a requirement to integrate the website with API Gateway, where it simply passes client-submitted method requests to the backend. It is important that the client and backend interact directly with no intervention from API Gateway after the API method is set up, except for known issues such as unsupported characters.  Which of the following integration types is the MOST suitable one to use to meet this requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 5 | A company has a central data repository in Amazon S3 that needs to be accessed by developers belonging to different AWS accounts. The required IAM role has been created with the appropriate S3 permissions.  Given that the developers mostly interact with S3 via APIs, which API should the developers call to use the IAM role?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:34 |  |
| 6 | You are developing a serverless application in AWS composed of several Lambda functions and a DynamoDB database. The requirement is to process the requests asynchronously.  Which of the following is the MOST suitable way to accomplish this?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 0 | 1 | 00:00:21 |  |
| 7 | A developer wants to track the number of visitors on their website, which has a DynamoDB database. This is primarily used to give a rough idea on how many people visit the site whenever they launch a new advertisement, which means it can tolerate a slight over-counting or undercounting of website visitors.  Which of the following will satisfy the requirement with MINIMAL configuration?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 8 | A developer is creating a real-time auction app for second-hand cars using Kinesis Data Streams to ingest bids. The auction rules are as follows:   * A bid must be processed only once * An EC2 instance consumer must process bids in the same order they were received.   Which solution will meet the requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 9 | In order to quickly troubleshoot their systems, your manager instructed you to record the calls that your application makes to all AWS services and resources. You developed a custom code that will send the segment documents directly to X-Ray by using the PutTraceSegments API.  What should you include in your segment document to meet the above requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:31 |  |
| 10 | An online forum requires a new table in DynamoDB named Thread in which the partition key is ForumName and the sort key is Subject. The following diagram shows how the items in the table would be organized:    For reporting purposes, the application needs to find all of the threads that have been posted in a particular forum within the last three months. Which of the following is the MOST effective solution that you should implement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 0 | 1 | 00:01:13 |  |
| 11 | A write-heavy data analytics application is using DynamoDB database which has global secondary index. Whenever the application is performing heavy write activities on the table, the DynamoDB requests return a ProvisionedThroughputExceededException.  Which of the following is the MOST likely cause of this issue?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:44 |  |
| 12 | The source code of an application is hosted in CodeCommit which has a single master branch. A developer requires certain permissions in order to pull and push code to the repository using the git fetch, git clone, and git push commands. To improve security, the developer should be granted only the permissions required to perform these tasks.  Which of the following permissions should the developer have in order to properly access the repository? (Select TWO.)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:15 |  |
| 13 | Your team is developing a new feature on your application which is already hosted in Elastic Beanstalk. After several weeks, the new version of the application is ready to be deployed and you were instructed to handle the deployment.  What is the correct way to deploy the new version to Elastic Beanstalk via the CLI?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 14 | A developer is designing the cloud architecture of an internal application which will be used by about a hundred employees. She needs to ensure that the architecture is elastic enough to adequately match the supply of resources to the demand while maintaining its cost-effectiveness.  Which of the following services can provide the MOST elasticity to the architecture? (Select TWO.)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 15 | A company has a hybrid cloud architecture that connects its on-premises data center with AWS. The DevOps team has been tasked to set up the company's continuous integration and continuous delivery (CI/CD) systems. The application deployment to both Amazon EC2 instances and on-premises servers should also be automated.  Which of the following AWS service should be used to accomplish this?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 16 | A company is re-architecting its legacy application to use AWS Lambda and DynamoDB. The table is provisioned to have 10 read capacity units, and each item has a size of 4 KB.  How many eventual and strong consistent read requests can the table handle per second?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 17 | A developer is building a prototype microservices that are running as tasks in an Amazon ECS Cluster. His manager instructed him to define a task placement strategy which needs to be both cost and resource efficient. The task placement should minimize the number of instances in use which will keep the cost down since high availability is not much of a concern for this prototype.  What should the developer implement to meet the above requirements?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 18 | A mobile game is currently being developed and needs to have an authentication service. You need to use an AWS service which provides temporary AWS credentials for users who have been authenticated via their social media logins as well as for guest users who do not require any authentication.  How can you BEST achieve this using AWS?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 0 | 1 | 00:00:00 |  |
| 19 | An application in your development account is running in an AWS Elastic Beanstalk environment which has an attached Amazon RDS database. You noticed that if you terminate the environment, it also brings down the database which hinders you from performing seamless updates with blue-green deployments. This also poses a critical security risk if the company decides to deploy the application in production.  In this scenario, how can you decouple your database instance from your environment without having any data loss?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:01:18 |  |
| 20 | A developer monitors multiple sensors inside a data center which detects various environmental conditions that may affect their running servers. In the current architecture, the data is initially processed by an AWS Lambda function and then stored in a remote data warehouse. To make the system more durable and scalable, the developer plans to use an Amazon SQS FIFO queue to store the data, which will be polled by the Lambda function. There is a known issue with the sensor devices sending duplicate data intermittently.  What action can the developer take to lessen the chances of processing duplicate messages?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 21 | A Java web application built using AWS SDK for Java with a DynamoDB database is concurrently accessed by thousands of users during peak time. The application is highly write-intensive and there are a lot of incidents where it overwrites stale data from the DynamoDB table.  How can you ensure your database writes are protected from being overwritten by other write operations that are occurring at the same time without affecting the application performance?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:32 |  |
| 22 | You are developing an application that will use a Lambda function, which will be invoked asynchronously. The application will be implemented with exponential back-off that will handle failures so that the requests will be retried twice before the event is discarded. If the retries fail with an unexpected error, you have to direct unprocessed events to another service which will analyze the failure.  Which of the following is the MOST suitable component that you should implement in the application architecture to meet the above requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 23 | A developer is instructed to collect data on the number of times that web visitors click the advertisement link of a popular news website. A database entry containing the count will be incremented for every click. Given that the website has millions of readers worldwide, your database should be configured to provide optimal performance to capture all the click events.  What is the BEST service that the developer should implement in this scenario?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 24 | You have an application that reads an individual item from a DynamoDB table, modifies it locally, and submits the changes as a new entry to a separate table before proceeding onto the next item. The process is repeated for the next 100 entries, and it consumes a lot of time performing this entire process.  Which strategy can be applied to your application in order to shorten the time needed to process all the necessary entries with MINIMAL configuration?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 25 | A company has a global multi-player game with a multi-master DynamoDB database topology which stores data in multiple AWS regions. You were assigned to develop a real-time data analytics application which will track and store the recent changes on all the tables from various regions. Only the new data of the recently updated item is needed to be tracked by your application.  Which of the following is the MOST suitable way to configure the data analytics application to detect and retrieve the updated database entries automatically?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 26 | A social media application is using DynamoDB to manage and store the session data of its users. As the number of users grew, the number of items in the table exponentially increased as well. You have to reduce storage usage and also reduce the cost of storing irrelevant data without using provisioned throughput to rectify this issue.  Which of the following is the MOST cost-effective solution that you should implement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:27 |  |
| 27 | A tech company has a real-time traffic monitoring system which uses Amazon Kinesis Data Stream to collect data and a group of EC2 instances that consume and process the data stream. Your development team is responsible for adjusting the number of shards in the data stream to adapt to changes in the rate of data flow.  Which of the following are correct regarding Kinesis resharding which your team should consider in managing the application? (Select TWO.)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:36 |  |
| 28 | A data analytics company has installed sensors to track the number of people that goes to the mall. The data sets are collected in real-time by an Amazon Kinesis Data Stream which has a consumer that is configured to process data every other day and store the results to S3. Your team noticed that your S3 bucket is only receiving half of the data that is being sent to the Kinesis stream but after checking, you have verified that the sensors are properly sending the data to Amazon Kinesis in real-time without any issues.  Which of the following is the MOST likely root cause of this issue?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 29 | A company has an AWS account with only 2 Lambda functions, which process data and store the results in an S3 bucket. An Application Load Balancer is used to distribute the incoming traffic to the two Lambda functions as registered targets. You noticed that in peak times, the first Lambda function works with optimal performance but the second one is throttling the incoming requests.  Which of the following is the MOST likely root cause of this issue?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 30 | A serverless application consisting of a Lambda function and a DynamoDB database is used to process Amazon S3 events. The Lambda function takes an average of three seconds to process the data and Amazon S3 publishes 10 events per second.  What is the concurrent execution that the function will have?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 31 | You recently deployed an application to a newly created AWS account, which uses two identical Lambda functions to process ad-hoc requests. The first function processes incoming requests efficiently but the second one has a longer processing time even though both of the functions have exactly the same code. Based on your monitoring, the Throttles metric of the second function is greater than the first one in Amazon CloudWatch.  Which of the following are possible solutions that you can implement to fix this issue? (Select TWO.)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:36 |  |
| 32 | A developer wants to use multi-factor authentication (MFA) to protect programmatic calls to specific AWS API operations like Amazon EC2 StopInstances. He needs to call an API where he can submit the MFA code that is associated with his MFA device. Using the temporary security credentials that are returned from the call, he can then make programmatic calls to API operations that require MFA authentication.  Which API should the developer use to properly implement this security feature?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 0 | 1 | 00:00:57 |  |
| 33 | A developer needs to configure the environment name, solution stack, and environment links of his application environment which will be hosted in Elastic Beanstalk. Which configuration file should the developer add in the source bundle to meet the above requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 34 | You are hosting a website in an Amazon S3 bucket named tutorialsdojo and your users load the website using the http://tutorialsdojo.s3-website-us-east-1.amazonaws.com endpoint. You want to use JavaScript on the webpages that are stored in this bucket to be able to make authenticated GET and PUT requests. These requests are directed to the same bucket through the website.s3.amazonaws.com S3 API endpoint. However, you noticed that your web browser blocks the HTTP requests originating from your website.  What should you do to rectify this issue?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 35 | You are working for a startup that recently decided to host their web applications to AWS. All of the source code of their applications are hosted in Github and they are planning to migrate them all to CodeCommit.  Which of the following BEST describes the process of migrating an existing Git repository to a CodeCommit repository?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 36 | You are developing a serverless application in AWS in which you have to control the code execution performance and costs of your Lambda functions. There is a requirement to increase the CPU available to your function in order to efficiently process records from an Amazon Kinesis data stream.  Which of the following is the BEST way to meet this requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:48 |  |
| 37 | An ECS Cluster has a running X-Ray Daemon that enables developers to easily debug and troubleshoot their application. However, the trace data being sent to AWS X-Ray is still not as detailed as your manager wants it to be. There is a new requirement that requires the application to provide more granular timing information and more details about its downstream calls to various AWS resources.  What should you do to satisfy this requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 38 | The CTO of a startup needs a version control system for collaborative software development. The system must support version tracking, parallel branching, pull requests, and batch changes across multiple files.  Which AWS service will meet these requirements?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 39 | A serverless application is using API Gateway with a non-proxy Lambda Integration. A developer was tasked to expose a GET method on a new /getcourses resource to invoke the Lambda function, which will allow the consumers to fetch a list of online courses in JSON format. The consumers must include a query string parameter named courseType in their request to get the data.  What is the MOST efficient solution that the developer should do to accomplish this requirement?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| Sub-Total: | | 39 | 35 (89.74%) | 4 (10.26%) | 00:08:52 | **89.74%** |
|  | | | | | | |
| Category: **CDA - Security** | | | | | | |
| 1 | A company has an AWS Amplify application, relying on Amazon Cognito for user authentication. Multi-factor authentication (MFA) is disabled for their User Pool. There has been a recent data breach in a popular website. The company is worried that attackers might exploit compromised email addresses and passwords to sign into their applications. For this reason, they want to enforce MFA only on users with suspicious login attempts.  How can the company satisfy these requirements  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 0 | 1 | 00:00:00 |  |
| 2 | A developer is building the cloud architecture of an application which will be hosted in a large EC2 instance. The application will process the data and it will upload results to an S3 bucket.  Which of the following is the SAFEST way to implement this architecture?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:32 |  |
| 3 | A company has different AWS accounts, namely Account A, Account B, and Account C, which are used for their Development, Test, and Production environments respectively. A developer needs access to perform an audit whenever a new version of the application has been deployed to the Test (Account B) and production (Account C) environments.  What is the MOST efficient way to provide the developer access to execute the specified task?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:01:15 |  |
| 4 | A developer is using API Gateway Lambda Authorizer to provide authentication for every API request and control access to your API. The requirement is to implement an authentication strategy which is similar to OAuth or SAML.  Which of the following is the MOST suitable method that the developer should use in this scenario?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 0 | 1 | 00:00:00 |  |
| 5 | A prototype application is hosted in an EC2 instance, which has an assigned IAM Role to store data from both the development and production S3 buckets. The instance also has AWS CLI access/secret key installed to handle other ad hoc tasks. You assigned a new IAM Role to the instance which has the permission to access the development bucket only. However, upon testing, the instance can still store files to both buckets.  What is the MOST likely root cause of this issue?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 0 | 1 | 00:02:26 |  |
| 6 | A developer is building an application that will be hosted in ECS and must be configured to run tasks and services using the Fargate launch type. The application will have four different tasks, each of which will access different AWS resources than the others.  Which of the following is the MOST efficient solution that can provide your application in ECS access to the required AWS resources?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 7 | Your development team is currently developing a financial application in AWS. One of the requirements is to create and control the encryption keys used to encrypt your data using the envelope encryption strategy to comply with the strict IT security policy of the company.  Which of the following correctly describes the process of envelope encryption?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:28 |  |
| 8 | Your manager assigned you a task of implementing server-side encryption with customer-provided encryption keys (SSE-C) to your S3 bucket, which will allow you to set your own encryption keys. Amazon S3 will manage both the encryption and decryption process using your key when you access your objects, which will remove the burden of maintaining any code to perform data encryption and decryption.  To properly upload data to this bucket, which of the following headers must be included in your request?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 9 | A company is using AWS Organizations to manage its multiple AWS accounts which is being used by its various departments. To avoid security issues, it is of utmost importance to test the impact of service control policies (SCPs) on your IAM policies and resource policies before applying them.  Which of the following services can you use to test and troubleshoot IAM and resource-based policies?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:15 |  |
| Sub-Total: | | 9 | 6 (66.67%) | 3 (33.33%) | 00:04:56 | **66.67%** |
|  | | | | | | |
| Category: **CDA - Troubleshooting and Optimization** | | | | | | |
| 1 | Using AWS SAM, a developer recently deployed a serverless application consisting of Lambda functions, API Gateway, Kinesis Data stream, and a DynamoDB table. The application has worked fine for a few days, but lately, there were a lot of ProvisionedThroughputExceeded exceptions being returned by DynamoDB. The developer also noticed that there's a sudden increase in read capacity units (RCU) usage whenever this issue happens.  How should the developer refactor the application to find items based on primary key values and use the LEAST amount of RCU?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 2 | A developer has instrumented an application using the X-Ray SDK to collect all data about the requests that an application serves. There is a new requirement to develop a custom debug tool which will enable them to view the full traces of their application without using the X-Ray console.  What should the developer do to accomplish this task?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 3 | A Docker application hosted on an ECS cluster has encountered intermittent unavailability issues and timeouts. The lead DevOps engineer instructed you to instrument the application to detect where high latencies are occurring and to determine the specific services and paths impacting application performance.  Which of the following steps should you take to accomplish this task properly? (Select TWO.)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 4 | An application is sending thousands of log files to an S3 bucket everyday. The request to retrieve the list of objects using the AWS CLI aws s3api list-objects command is timing out due to the high volume of data being fetched. In order to rectify this issue, you have to use pagination to control the number of results returned on your request.  Which of the following parameters should you include in CLI command for this scenario? (Select TWO.)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 5 | A developer has a set of EC2 instances that runs the Amazon Kinesis Client Library to process a data stream in AWS. Based on the custom metrics, it shows that the instances are maxing out their CPU Utilization, and there are insufficient Kinesis shards to handle the rate of data flowing through the stream.  Which of the following is the BEST course of action that the developer should take to solve this issue and prevent this situation from re-occurring in the future?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 6 | An online magazine is deployed in AWS and uses an Application Load Balancer, an Auto Scaling group of EC2 instances, and an RDS MySQL Database. Some of the readers are complaining about the website's sluggish performance when loading the articles. Upon checking, there is a high number of read operations in the database, which affects the website's performance.  Which of the following actions should you take to resolve the issue with minimal code change?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:43 |  |
| 7 | A developer is instrumenting an application that will be hosted in a large On-Demand EC2 instance in AWS. All of the downstream calls invoked by the application must be traced properly, including the AWS SDK calls. A user-defined data should also be present to expedite the troubleshooting process.  Which of the following are valid considerations in AWS X-Ray that the developer should follow? (Select TWO.)  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 8 | A company has 5 different applications running on several On-Demand EC2 instances. The DevOps team is required to set up a graphical representation of the key performance metrics for each application. These system metrics must be available on a single shared screen for more effective and visible monitoring.  Which of the following should the DevOps team do to satisfy this requirement using Amazon CloudWatch?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| 9 | A leading commercial bank has an online banking portal that is hosted in an Auto Scaling group of EC2 instances with an Application Load Balancer in front to distribute the incoming traffic. The application has been instrumented, and the X-Ray daemon has been installed in all instances to allow debugging and troubleshooting using AWS X-Ray.  In this architecture, from which source will AWS X-Ray fetch the client IP address?  [(view)](https://portal.tutorialsdojo.com/courses/aws-certified-developer-associate-practice-exams/) | 1 | 1 | 0 | 00:00:00 |  |
| Sub-Total: | | 9 | 9 (100%) | 0 (0%) | 00:00:43 | **100%** |
|  | | | | | | |
|  | Total | 65 | 58 (89.23%) | 7 (10.77%) | 00:16:30 | **89.23%** |