

Final Assessment

LATEST SUBMISSION GRADE

100%

1. Lambda@Edge is a feature of Amazon CloudFront that lets code run closer to the users of distributed applications, helping to improve performance and reduce latency.

1 / 1 point

- ☒ True
☐ False

✓ **Correct**

2. In which scenario would Cognito User Pool be the right choice to use over a Cognito Identity Pool?

1 / 1 point

- ☐ My application requires unauthenticated users to access parts of my application.
☐ The authorizer of the API method is set to AWS_IAM in API Gateway.
☐ API Gateway, Simple Storage Service, DynamoDB and other AWS services will be used directly by the application.
☒ The application behind API Gateway (backend) needs to have information about the user.

✓ **Correct**

3. In which of the following locations is Amazon CloudFront hosted?

1 / 1 point

- ☒ Edge location
☐ Availability zone
☐ Region
☐ Local zone

✓ **Correct**

4. When the application code in a Lambda function needs to communicate with a relational database, which feature of the AWS Lambda service would minimize the amount of connections to that relational database?

1 / 1 point

- ☒ Execution context reuse
☐ Provisioned Concurrency
☐ Synchronous invocation
☐ Automatic scaling

✓ **Correct**

5. What is the maximum timeout or maximum amount of time for the execution of a Lambda function?

1 / 1 point

- ☐ 5 minutes
☐ 5 hours
☒ 15 minutes
☐ 15 hours

✓ **Correct**

6. What feature can be used to know if a Lambda function, that was asynchronously invoked, executed successfully?

1 / 1 point

- ☒ Destinations
☐ Dead-letter queue
☐ Retries
☐ Looking at the response code

✓ **Correct**

7. What actions within AWS are done as an API call?

1 / 1 point

- ☒ Almost all of the actions
- ☐ A few actions
- ☐ About half of the actions
- ☐ Some actions

✓ Correct

8. When AWS Lambda executes your Lambda function, it provisions and manages the resources needed to run your Lambda function. This is called the execution context, and it is a temporary runtime environment. After a Lambda function is executed, AWS Lambda maintains the execution context for some time in anticipation of another Lambda function invocation.

1 / 1 point

What can you do in your code to take advantage of execution context re-use for performance optimization? Select two.

- ☐ Store data in environment variables as a cache
- ☒ Declare objects outside of the handler method

✓ Correct

- ☒ Write data to the /tmp directory to be used as a transient cache

✓ Correct

- ☐ Write code that pings your lambda function once an hour to keep the execution context alive

9. What types of APIs can Amazon API Gateway NOT be used to create?

1 / 1 point

- ☒ BPM
- ☐ REST
- ☐ WebSocker
- ☐ HTTP

✓ Correct

10. In which of the following use case a Lambda layer should NOT be used?

1 / 1 point

- ☐ I would like to keep my Lambda deployment package small.
- ☒ I would like to separate all my small libraries individually to share across Lambda functions.
- ☐ I would like to share my custom runtime with others.
- ☐ I would like to share code across many different Lambda functions in different AWS accounts.

✓ Correct

11. Which of the following statement is true when using AWS Lambda layers?

1 / 1 point

- ☒ The maximum size of the Lambda deployment package including layers is 250 MB.
- ☐ Lambda functions can only use Lambda layers created in the same AWS account.
- ☐ Layers are shared automatically with every AWS customer.
- ☐ A Lambda function can only use one layer at a time.

✓ Correct

12. What is the easiest way to send logs to Amazon CloudWatch Logs from code in a Lambda function?

1 / 1 point

- ☐ Use the Amazon CloudWatch SDK to send logs
- ☒ Write to stdout or stderr and logs will be sent automatically
- ☐ Use the syslog library to send logs directly to CloudWatch logs
- ☐ Make an HTTPS call to Amazon CloudWatch logs

✓ Correct

13. 13. A state machine in AWS Step Function is used for doing continuous deployment as part of a pipeline. One of the steps is to use Lambda to send an email asking for a manager to approve or not the deployment in production. Which of the following service integration pattern should be used?

1 / 1 point

- ☐ Run a Job
- ☒ Wait for Callback
- ☐ Request Response
- ☐ Activity task

✓ Correct

14. When using the AWS SDK for X-Ray, to measure granular performance of a singular API call or specific line(s) of code, you can create a new:

1 / 1 point

- ☐ Trace
- ☒ Subsegment
- ☐ Annotation
- ☐ Sampling Document

✓ Correct

15. At which point of the flow in a method execution in Amazon API Gateway can you add a Cognito User Pool, Lambda or IAM authorizer?

1 / 1 point

- ☐ Integration Response
- ☐ Method Response
- ☐ Integration Request
- ☒ Method Request

✓ Correct