



AXS-C01^{Q&As}

AWS Certified Alexa Skill Builder - Specialty (AXS-C01)

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QUESTION 1

An Alexa Skill Builder has built a new custom skill backed by an AWS Lambda function. The Lambda function executes successfully from the Lambda console, however, the Lambda function cannot be successfully invoked in the developer console or from an Amazon Alexa enabled device. No error messages show in the function's Amazon CloudWatch Logs. The Builder confirmed the endpoint has the correct ARN.

What is likely causing this issue and how can it be corrected?

- A. The Lambda application code has a bug that is causing it to crash. Modify the code to fix the bug, then redeploy the Lambda function.
- B. The ASK SDK was not deployed with the Lambda function. Add the ASK SDK, then redeploy the Lambda function.
- C. The ASK trigger for the Lambda function has been restricted to the wrong skill ID. Re-create the trigger with the correct skill ID.
- D. The Lambda role does not have the correct AWS IAM permission. Update the IAM role associated with the Lambda function.

Correct Answer: A

QUESTION 2

When testing an Amazon Alexa skill using the Test page in the developer console, the JSON output is null. What is the MOST likely cause?

- A. The AWS Lambda function is encountering an error and is not returning a result.
- B. The endpoint ARN has not been configured
- C. The ASK has not been granted access to trigger the AWS Lambda function
- D. Skill ID verification has been disabled

Correct Answer: B

QUESTION 3

An Alexa Skill Builder made changes to an AWS Lambda function that is used as the endpoint for a skill. The Builder discovers that the skill now returns an error when it is launched.

How can the Builder use the Lambda console to trigger the function and debug the code?

- A. Create a Lambda test event using the JSON request as input to find the specific error within the code.
- B. Create a Lambda test event using the JSON response as output to find the specific error within the code.
- C. Check the JSON response to see if there are any syntax errors in the code.
- D. Create a Lambda test event using the JSON interaction model to find the specific error within the code.



Correct Answer: A

Reference: <https://developer.amazon.com/en-US/docs/alexa/custom-skills/host-a-custom-skill-as-an-awslambda-function.html>

QUESTION 4

An Alexa Skill Builder needs to change the invocation name of a new skill.

What status should the skill be in to make this change?

- A. In Development
- B. Build
- C. In Certification
- D. Edit

Correct Answer: D

Reference: <https://developer.amazon.com/en-US/docs/alexa/custom-skills/choose-the-invocation-namefor-a-custom-skill.html>

QUESTION 5

An Alexa Skill Builder is developing a custom skill and needs to verify that the correct slot values are being passed into the AWS Lambda function.

According to best practices, what is the MOST efficient way to capture this information?

- A. Add a logging statement to write the event request to Amazon CloudWatch Logs.
- B. Add an API call to write the environment variables to an Amazon S3 bucket when the function is invoked.
- C. Add an API call to read the event information from AWS Cloud Trail logs and add a PutObject API call to write to an Amazon S3 bucket.
- D. Add a statement to parse the JSON request and save to the local disk for the Lambda function

Correct Answer: D

Reference: <https://developer.amazon.com/en-US/docs/alexa/custom-skills/validate-slot-values.html>

QUESTION 6

According to Amazon Alexa best practices, how should an Alexa Skill Builder prevent unintentional requests against a skill's backend when using AWS Lambda?

- A. Ensure that the session ID provided by the request to Lambda is not already in use.



- B. Rotate the Lambda ARN regularly to prevent others from using the service.
- C. Retrieve the Application ID property from the request JSON and validate it against the Lambda environment variables.
- D. Provide the Lambda trigger with the Application ID so that it validates on the ask trigger.

Correct Answer: C

QUESTION 7

An Alexa Skill Builder adds a colleague to a skill using the beta test feature. The colleague logs in to the developer console to edit the interaction model and cannot see the skill.

Why is this happening?

- A. The colleague needs the ROLE_ADMINISTRATOR enablement.
- B. The skill was not submitted for publishing.
- C. The colleague was not made an administrator in the beta test tool.
- D. The colleague has not been added to the skill's developer account.

Correct Answer: C

Reference: <https://developer.amazon.com/en-US/docs/alexa/custom-skills/skills-beta-testing-for-alexaskills.html>

QUESTION 8

An Alexa Skill Builder is creating a skill that requires the user to authenticate by speaking a PIN before an order status can be retrieved.

According to best practices, how should the PIN value be collected?

- A. Use AMAZON.SearchQuery
- B. Use AMAZON.FOUR_DIGIT_NUMBER
- C. Use multiple slots of type AMAZON.NUMBER
- D. Use a custom slot with zero to nine as values.

Correct Answer: D

QUESTION 9

During testing of a new Amazon Alexa skill, the skill is repeatedly failing and invoking the function defined in the addErrorHandler method specified on the SkillBuilder object. Upon inspection of Amazon CloudWatch Logs, the Alexa Skill Builder establishes that the failure is occurring whenever AMAZON.HelpIntent is being received.



How should this error be corrected?

- A. AMAZON.HelpIntent should be handled by the SDK. The Builder should raise a support ticket with Amazon.
- B. The Builder should ensure that the intent handler is coded so that it tests for AMAZON.HelpIntent in its canHandle method, and when detected, returns true.
- C. The Builder should add logic to provide help instructions to the function defined in the addErrorHandler method specified on the SkillBuilder object.
- D. The Builder should add an AMAZON.HelpIntent entry to the interaction model to ensure the request for help is recognized by the skill.

Correct Answer: B

QUESTION 10

An Alexa Skill Builder published a skill that streams sounds to help users relax. The skill is becoming very popular and is available in many different locales around the world. More than 20,000 users are using the skill every week, and more than 500 users are added daily. The sound files are stored in Amazon S3.

What can the Builder do to ensure low latency and the best possible streaming performance?

- A. Use Amazon CloudFront to deliver content and cache the audio files across different geographical regions.
- B. Migrate the sound files from Amazon S3 into Amazon Redshift to speed up the read operations.
- C. Use Elastic Load Balancing to handle the traffic generated by the increasing number of users.
- D. Enable cross-region replication on the Amazon S3 bucket policy to improve the skill's performance.

Correct Answer: D

Reference: <https://developer.amazon.com/en-US/docs/alexa/devconsole/measure-skill-usage.html>

QUESTION 11

An Alexa Skill Builder is creating a skill that will identify an actor who spoke a famous piece of movie dialog, given just the dialog text and an optional movie name. The Builder created the FindActorIntent as shown below, but Amazon Alexa returns an error when it builds the model.



```
{
  "intents": [
    {
      "name": "FindActorIntent",
      "slots": [
        {
          "name": "Dialog",
          "type": "AMAZON.SearchQuery"
        },
        {
          "name": "Movielist",
          "type": "AMAZON.Movie"
        }
      ],
      "samples": [
        "who said {Dialog} in {MovieList}",
        "which actor said {Dialog}",
        "search for {Dialog}",
        "who said {Dialog}"
      ]
    }
  ]
}
```

Why is Alexa failing to build the model?

- A. Intents can have one built-in slot type only
- B. All sample utterances within an intent should have both slots
- C. SearchQuery is combined with another intent slot in an utterance.
- D. "Dialog" is a reserved keyword in the Alexa Interaction Model schema.

Correct Answer: C

Reference: <https://forums.developer.amazon.com/questions/112932/got-error-codeinvalidintentsamplephraseslot.html>

QUESTION 12

An Alexa Skill Builder built a skill using AWS Lambda. The Lambda function works when running the code on a local machine with a runtime of 4.5 seconds, but during skill testing, the Builder receives an error

response.

Which collection of steps will address the issue? (Choose two.)



- A. Change the Amazon Alexa default timeout to 5 seconds.
- B. Change the default timeout of the Lambda function to 5 seconds.
- C. Call the Progressive Response API and send a directive to reduce latency.
- D. Increase the size of the memory allocated to the Lambda function.
- E. Clone the Lambda function to another AWS Region.

Correct Answer: BE

QUESTION 13

An Alexa Builder is working on a skill for music streaming. When a user says, "Alexa, stop" the skill needs to know where the user was in the song, so that when returning to the skill in a new session, the song can pick up where it left off.

Which section of the following JSON contains the data indicating where the song left off?

```
{
  "version": "1.0",
  "session": {
    "new": false,
    "sessionId": "...",
    "application": {...},
    "attributes": {...},
    "user": {...}
  },
  "context": {
    "System": {
      "device": {
        "supportedInterfaces": {
          "AudioPlayer": {...}
        }
      }
    },
    "user": {...},
    "AudioPlayer": {...}
  },
  "request": {...}
}
```

- A. session.attributes
- B. Context.AudioPlayer



C. session.user

D. context.System.device.supportedInterfaces.AudioPlayer

Correct Answer: C

QUESTION 14

An Alexa Skill Builder has published a skill to the Alexa Skills Store, but soon after realizes that Amazon Alexa is saying an incorrect word in one of the responses.

What is the recommended method for the Builder to correct this issue?

A. Correct the response in a new endpoint, and after updating the In Development version of the skill, redeploy it.

B. Access the In Development version of the skill, alter the intent that was causing the incorrect word, then resubmit the skill for certification.

C. Edit the response in a new endpoint, and after updating the In Development version of the skill, resubmit it for certification.

D. Correct the response in the existing endpoint of the Live version of the skill, then redeploy it.

Correct Answer: A

QUESTION 15

What are the prerequisites for implementing account linking for Amazon Alexa smart home skills?

A. OAuth 2.0 with either implicit grant flow or authorization code grant flow

B. OAuth 2.0 with authorization code grant flow

C. OpenID Connect with JSON.Web Token (JWT)

D. OAuth 1.0/2.0 with implicit grant flow

Correct Answer: B

Reference: <https://developer.amazon.com/en-US/docs/alexa/account-linking/account-linking-for-sh-andother.html#prerequisites>

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