

Independent study lab

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Lambda contract checklist

Confirm before relying.

Lambda is a seam, not a place to hide a CRM

- Add the function to the instance. An identity policy alone does not let the flow invoke it.
- Return a flat string map or JSON, matching the block. Nested objects fail a string-map block.
- Log the ContactId. The flow log has no Lambda RequestId to join on.
- Default block timeout is 3 seconds. Raise it on purpose, not by hoping.

Setting the Lambda console timeout to 30 seconds and assuming the flow will wait.

The response contract

- Idempotent writes. Retries happen.
- Timeouts in the Lambda console must be higher than the block timeout or you will add a second failure mode.
- Cold starts count against the 8 seconds.
- Secrets stay in the function environment or in Secrets Manager, not in flow attributes.

Returning a Python dict with numbers and lists to a string-map block.

Association, resource policy, and the log that says AccessDenied

- Use an alias, not \$LATEST, in production.
- Resource-based policy and identity policy answer different questions.

- VPC-attached functions need a path to their dependency and still must return in time.
- Terraform's association resource is the reviewable form of the console click.

Adding `lambda:InvokeFunction` to the admin user and retesting the call.

Sources and go deeper

- [Flow block in Connect Customer: AWS Lambda function - Amazon Connect Customer](#) AWS docs. last checked 2026-10
- [What is AWS Lambda? - AWS Lambda](#) AWS docs. last checked 2026-10
- [Troubleshoot Lambda function failures in Amazon Connect | AWS re:Post](#) community. last checked 2026-10
- [AWS Lambda - Wikipedia](#) Wikipedia. last checked 2026-10

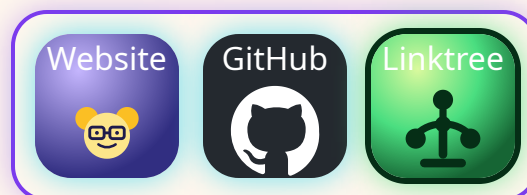
[sources.json \(foundations-lambda\)](#) [sources.json \(lambda-contract\)](#) [sources.json \(lambda-perms\)](#)

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