

DSO Dojo Task 2022-12-01



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Scenario

You're a devops engineer at a new Bandcamp competitor, Bandrv. You've been tasked to figure out how to deploy a system that can get users download links for the albums they purchase.

- A user comes in with a download key.
- The key form/validity must be checked.
- The key cannot have been used before.
- We need to provide a link to the user.

Artifacts

For the sake of the exercise, we've split this functionality into three different functions. Pretend they're very complicated.

- Check the key form via `check_code_form()`
- Check if the key has been used via `check_code_used()`
- Generate a link via `generate_link()`

The folder that has the functions contains all you'd need to run them as Python. It uses Pipenv to manage the dependencies and `pytest` for tests.

Suggested Path

AWS Lambda

You'll need to wrap each of the provided functions in their own Lambda. You get to

figure out that part.

You can have Lambdas call other Lambdas directly. You could also investigate SQS queues for passing messages between Lambdas.

Demo Solution

This repo has all you need. `go test` will verify everything works. `terragrunt apply` will deploy to AWS. You'll need credentials to do that.

Opportunities

- Replace `check_code_used` with a data store that actually stores and checks whether or not it's been used

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