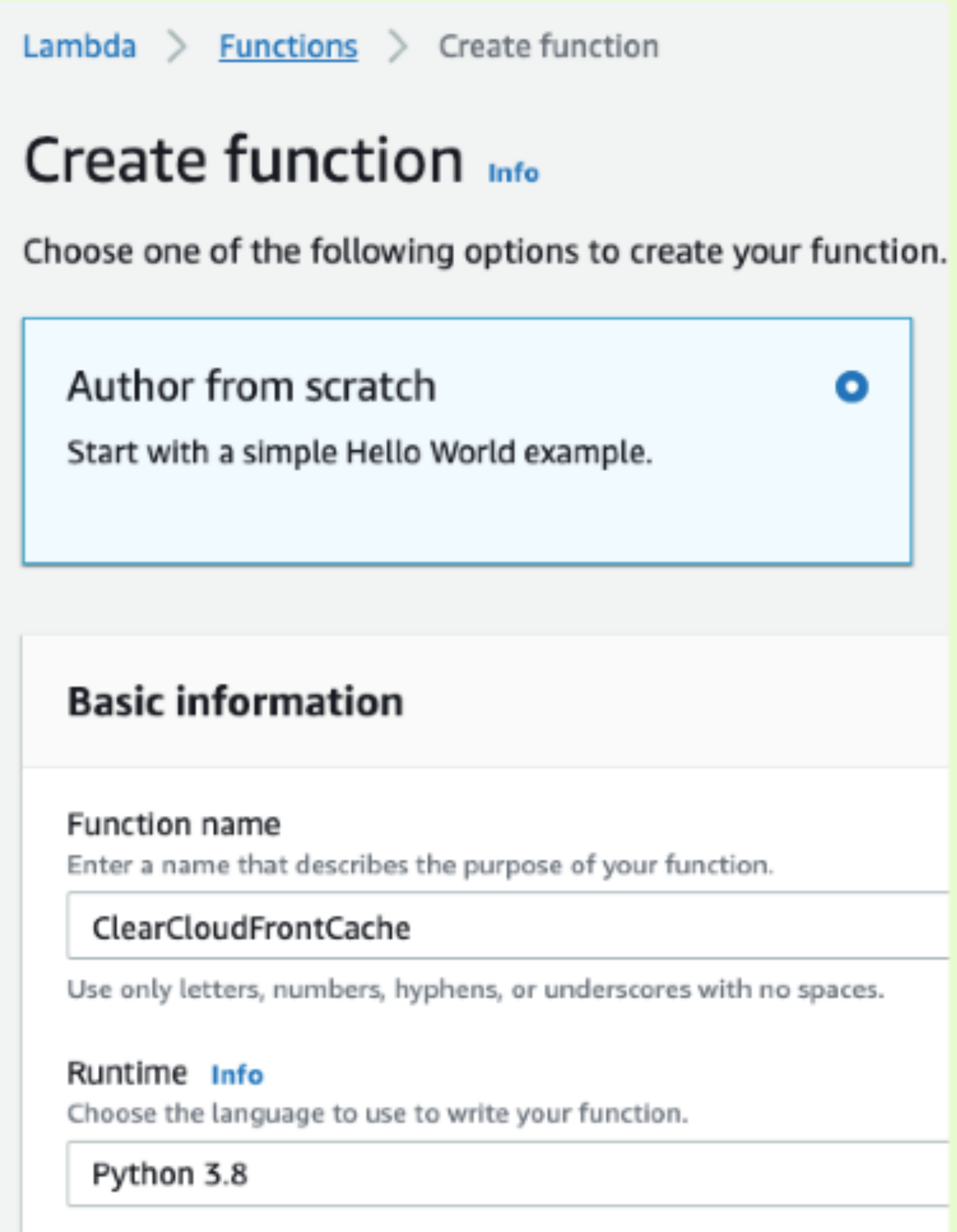
LAMBDA FUNCTION SETUP



Create function Info

Choose one of the following options to create your function.

● Author from scratch

Start with a simple Hello World example.

Basic information

Function name

Enter a name that describes the purpose of your function.

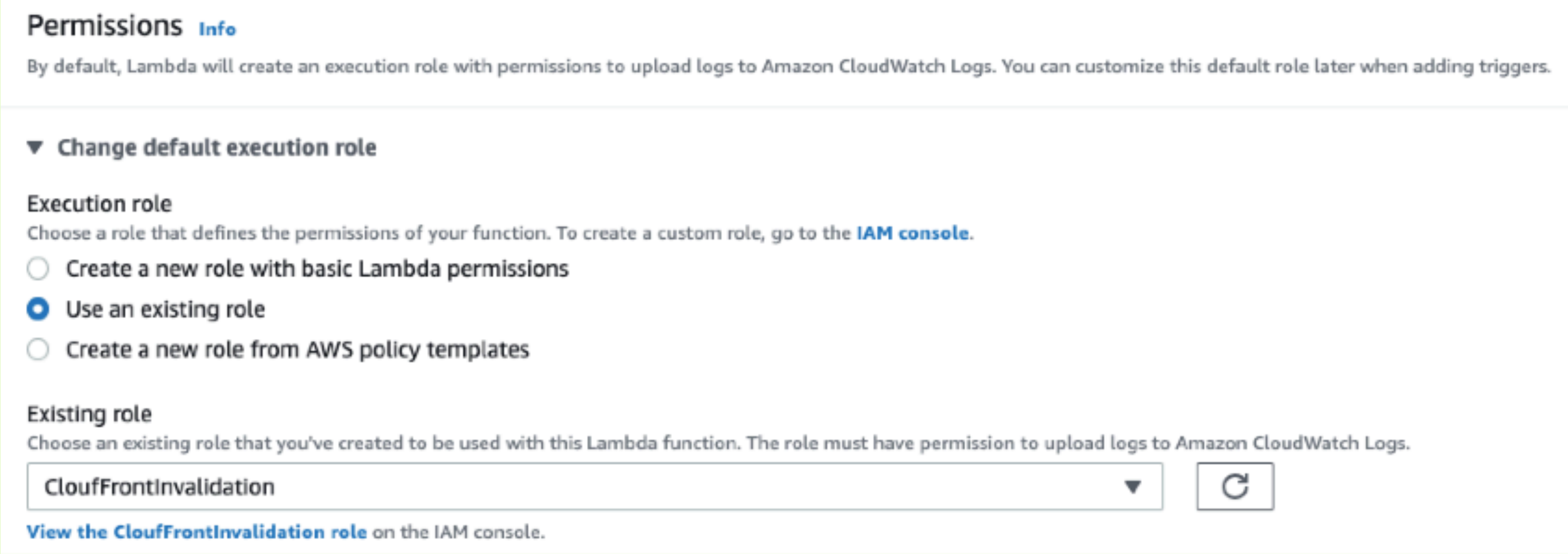
ClearCloudFrontCache

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime Info

Choose the language to use to write your function.

Python 3.8



Permissions Info

By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

▼ Change default execution role

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.

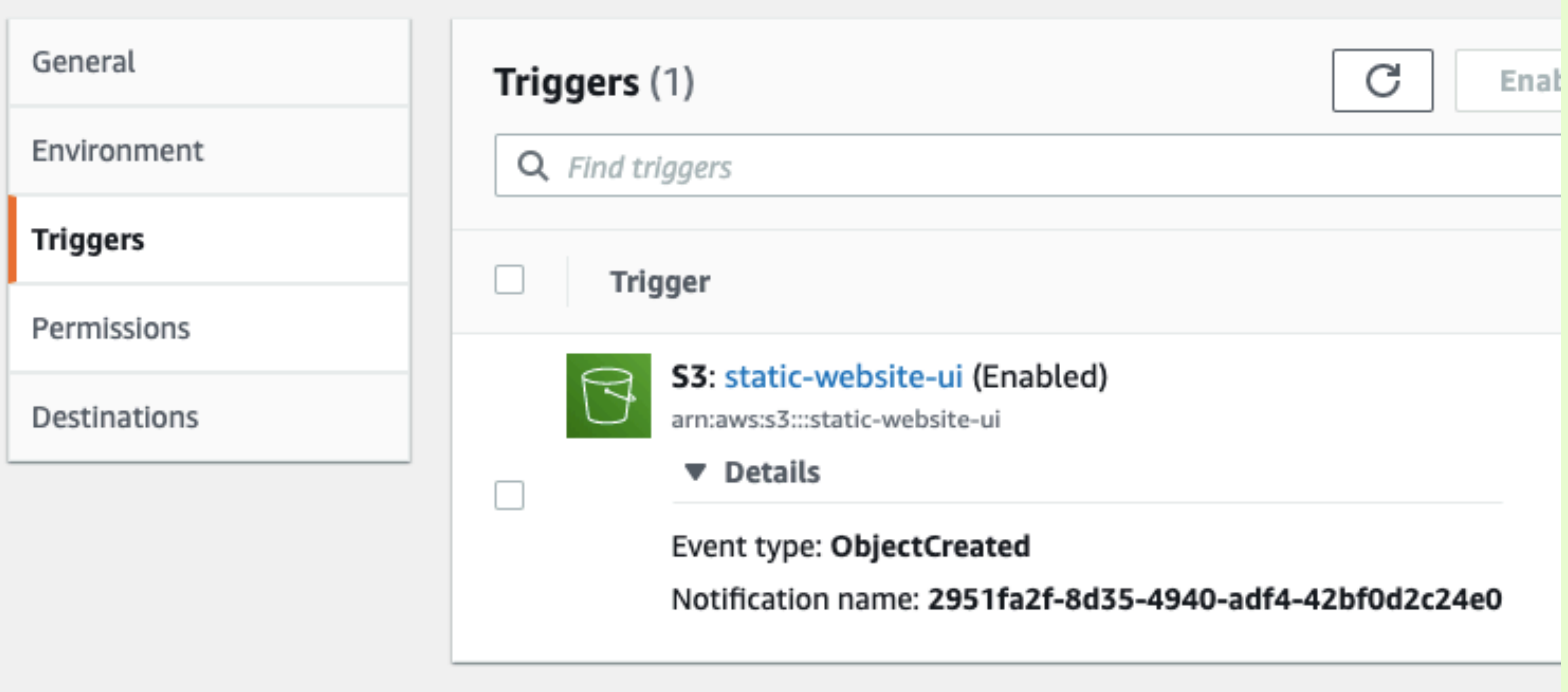
○ Create a new role with basic Lambda permissions
● Use an existing role
○ Create a new role from AWS policy templates

Existing role

Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.

CloufFrontInvalidation

View the CloufFrontInvalidation role on the IAM console.



Triggers (1)

□ Trigger

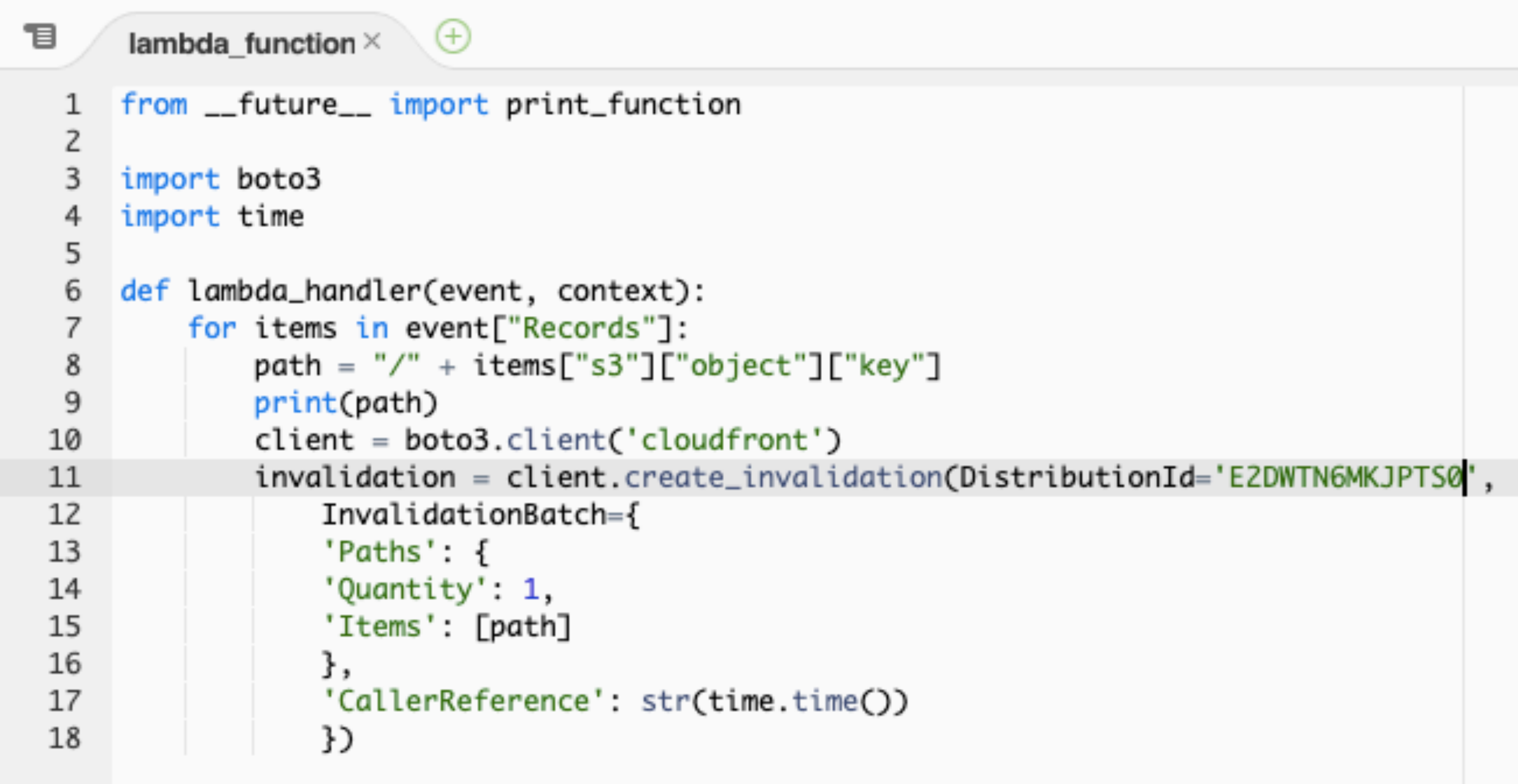
□ S3: static-website-ui (Enabled)

arn:aws:s3:::static-website-ui

▼ Details

Event type: **ObjectCreated**

Notification name: **2951fa2f-8d35-4940-adf4-42bf0d2c24e0**

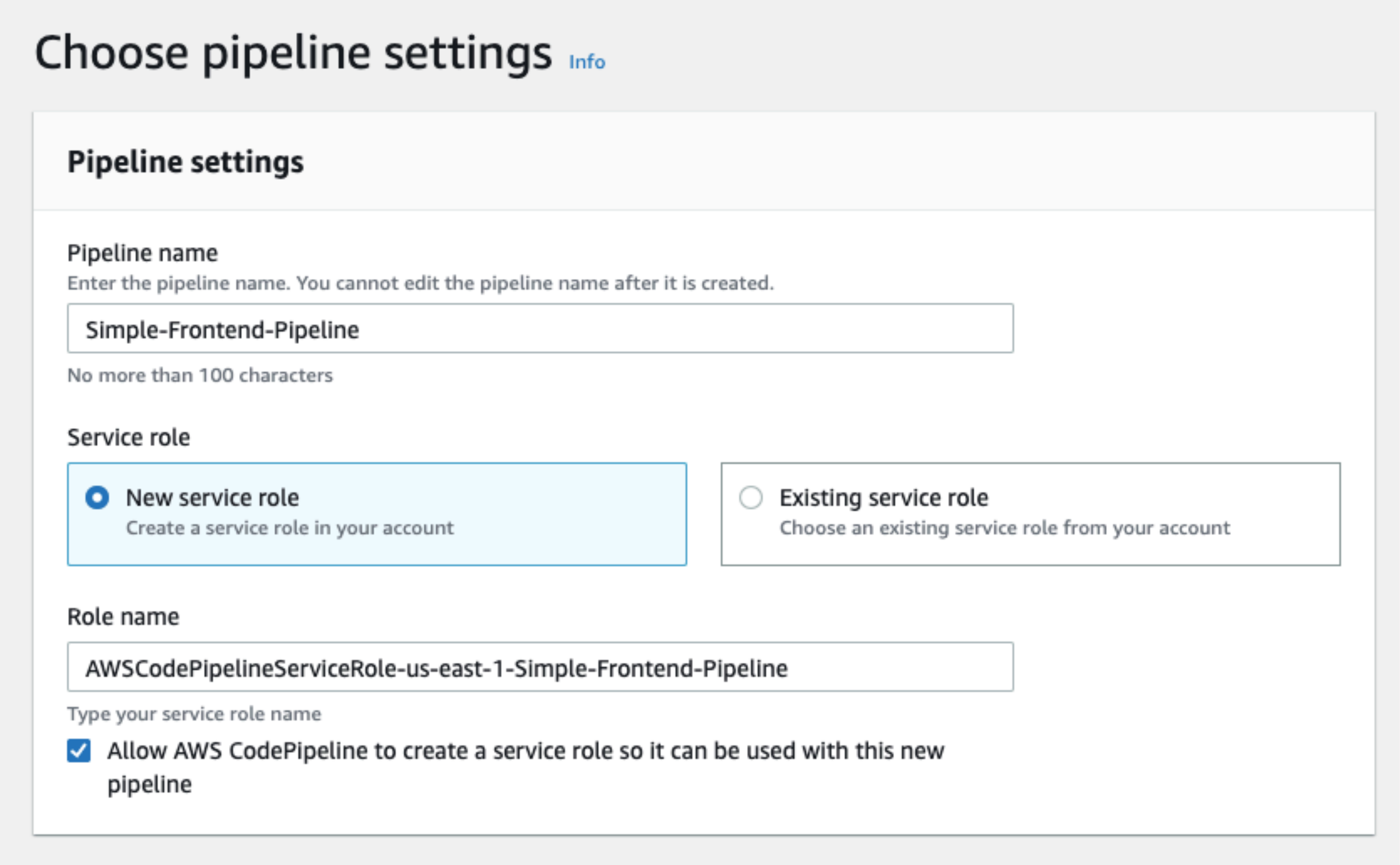


```python
from __future__ import print_function

import boto3
import time

def lambda_handler(event, context):
    for items in event["Records"]:
        path = "/" + items["s3"]["object"]["key"]
        print(path)
        client = boto3.client('cloudfront')
        invalidation = client.create_invalidation(DistributionId='E2DWTN6MKJPTS0',
            InvalidationBatch={
            'Paths': {
            'Quantity': 1,
            'Items': [path]
            },
            'CallerReference': str(time.time())
            })
```

AWS CODEPIPELINE SETUP



Choose pipeline settings

Pipeline settings

Pipeline name
Enter the pipeline name. You cannot edit the pipeline name after it is created.
Simple-Frontend-Pipeline
No more than 100 characters

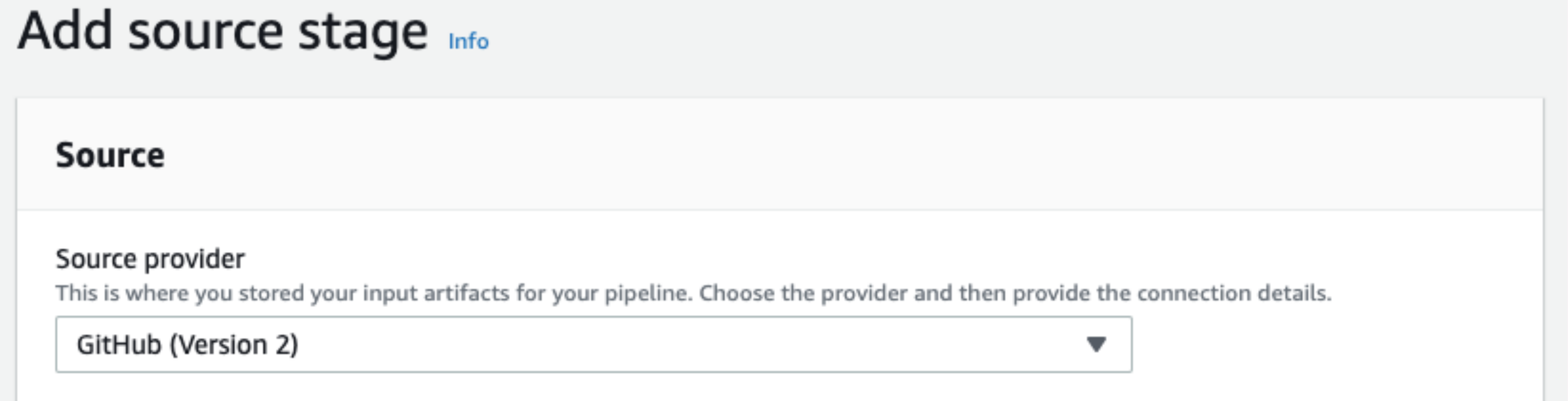
Service role

● New service role
Create a service role in your account

○ Existing service role
Choose an existing service role from your account

Role name
AWSCodePipelineServiceRole-us-east-1-Simple-Frontend-Pipeline
Type your service role name

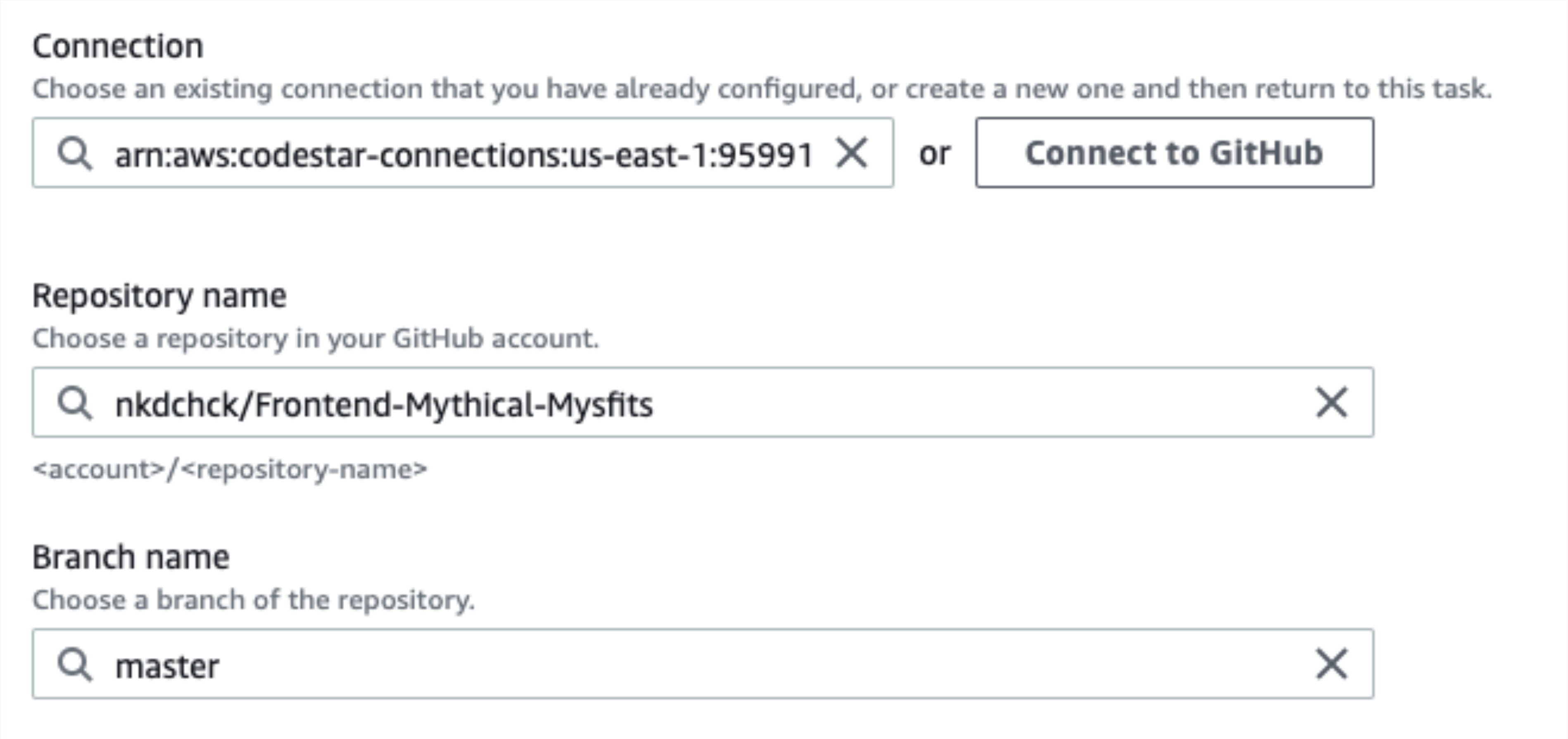
☑ Allow AWS CodePipeline to create a service role so it can be used with this new pipeline



Add source stage

Source

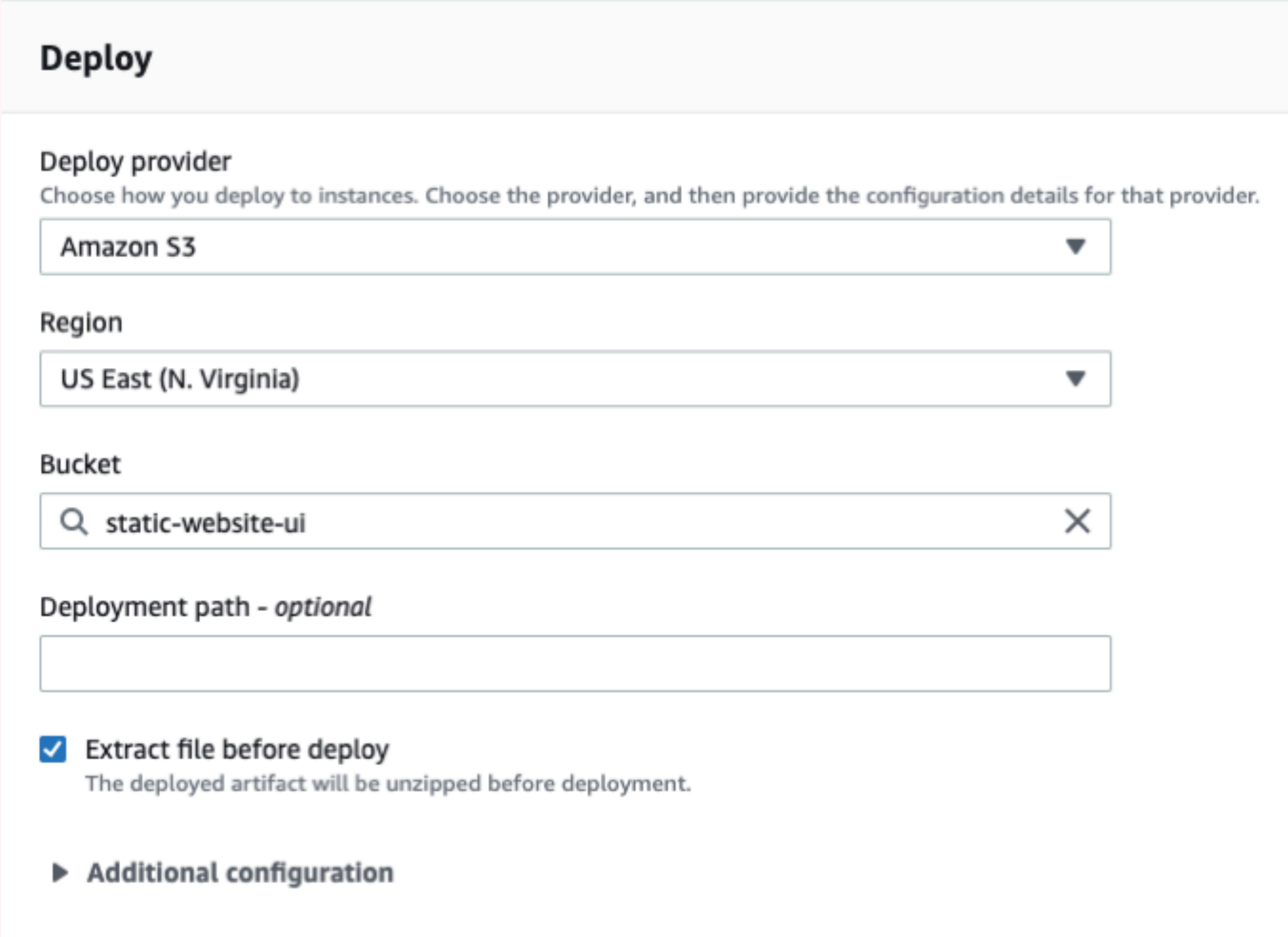
Source provider
This is where you stored your input artifacts for your pipeline. Choose the provider and then provide the connection details.
GitHub (Version 2) ▼



Connection
Choose an existing connection that you have already configured, or create a new one and then return to this task.
arn:aws:codestar-connections:us-east-1:95991 ✕ or

Repository name
Choose a repository in your GitHub account.
nkdchck/Frontend-Mythical-Mysfits ✕
<account>/<repository-name>

Branch name
Choose a branch of the repository.
master ✕



Deploy

Deploy provider
Choose how you deploy to instances. Choose the provider, and then provide the configuration details for that provider.
Amazon S3 ▼

Region
US East (N. Virginia) ▼

Bucket
static-website-ui ✕

Deployment path - *optional*

☑ Extract file before deploy
The deployed artifact will be unzipped before deployment.