

AWS S3 BUCKET FOR STATIC WEBSITE

Amazon S3 > static-website-ui

static-website-ui

Bucket overview

Region	Amazon resource name (ARN)	Creation date	Access
US East (N. Virginia) us-east-1	arn:aws:s3:::static-website-ui	November 15, 2020, 12:33 (UTC+03:00)	Objects can be public

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE 2: bash

```
MacBook-Air-nikita:Frontend-Mythical-Mysfits nkdchck$ aws s3 cp ./index.html s3://static-website-ui/index.html
upload: ./index.html to s3://static-website-ui/index.html
MacBook-Air-nikita:Frontend-Mythical-Mysfits nkdchck$ aws s3api list-objects --bucket static-website-ui --query 'Content
s[].[Key: Key, Size: Size]'
- Key: index.html
  Size: 4617
MacBook-Air-nikita:Frontend-Mythical-Mysfits nkdchck$
```

Amazon S3 > static-website-ui > Edit bucket policy

Edit bucket policy

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Policy examples

Policy generator

Bucket ARN

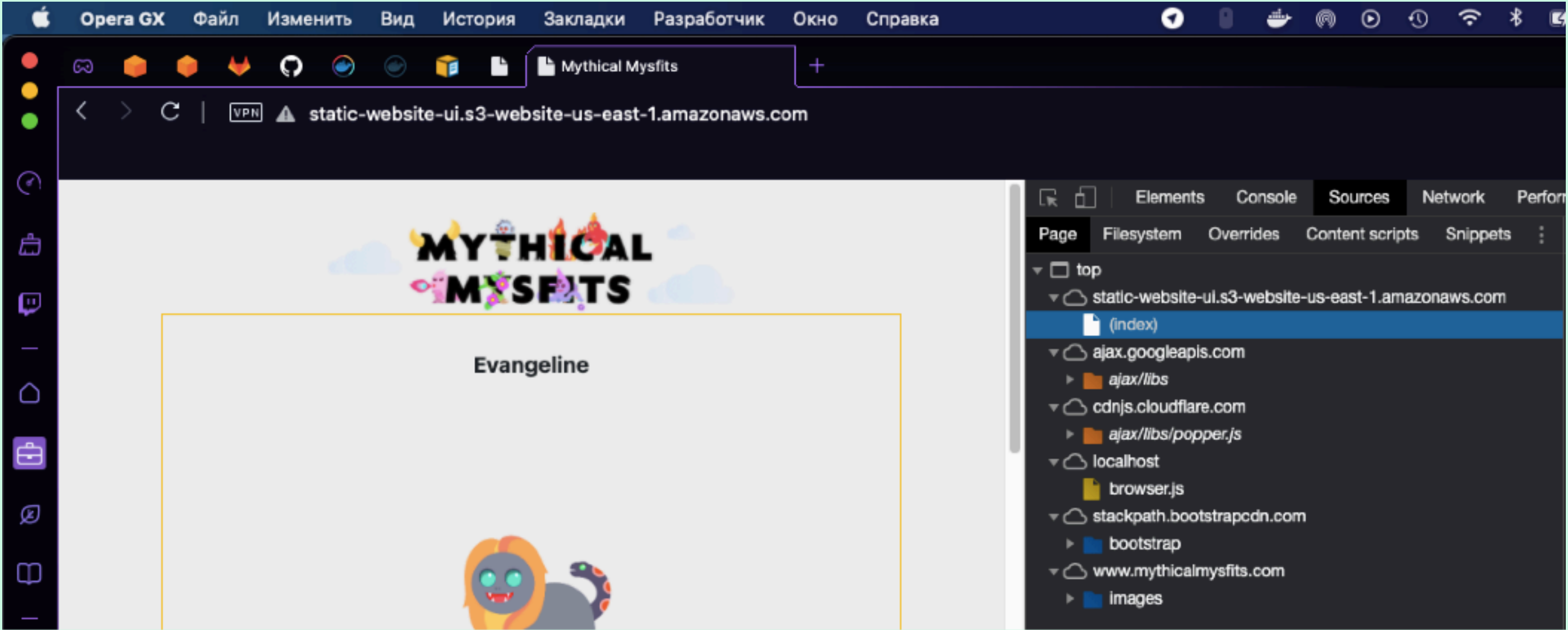
arn:aws:s3:::static-website-ui

Policy

```
1 {
2   "Id": "MyPolicy",
3   "Version": "2012-10-17",
4   "Statement": [
5     {
6       "Sid": "PublicReadForGetBucketObjects",
7       "Effect": "Allow",
8       "Principal": "*",
9       "Action": "s3:GetObject",
10      "Resource": "arn:aws:s3:::static-website-ui/*"
11    }
12  ]
13 }
```

TERMINAL PROBLEMS OUTPUT DEBUG CONSOLE 2: bash

```
MacBook-Air-nikita:Frontend-Mythical-Mysfits nkdchck$ aws s3 website s3://static-website-ui --index-document index.html
MacBook-Air-nikita:Frontend-Mythical-Mysfits nkdchck$ aws s3api list-buckets --query "Buckets[.Name]"
- awsrobomakerobjecttracker-157193324-bundlesbucket-30xj0hq3njml
- codepipeline-us-east-1-590282597472
- iac-codecommit-cicd-pipeline-artifacts
- nkdchck-artifacts
- sample-iac-build-artifacts
- static-website-s3bucket
- static-website-ui
- www.theblockly.com
MacBook-Air-nikita:Frontend-Mythical-Mysfits nkdchck$
```



LAMBDA FUNCTION SETUP

Lambda > Functions > Create function

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.

CloudFrontInvalidation

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[View the CloudFrontInvalidation role](#) on the IAM console.

General

Environment

Triggers

Permissions

Destinations

Triggers (1)


↻

Enable

Find triggers

☐

Trigger



S3: static-website-ui (Enabled)

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

☐

▼ Details

Event type: ObjectCreated

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

lambda_function × +

```
1 from __future__ import print_function
2
3 import boto3
4 import time
5
6 def lambda_handler(event, context):
7     for items in event["Records"]:
8         path = "/" + items["s3"]["object"]["key"]
9         print(path)
10        client = boto3.client('cloudfront')
11        invalidation = client.create_invalidation(DistributionId='E2DWTN6MKJPTS0',
12                                                    InvalidationBatch={
13                                                        'Paths': {
14                                                            'Quantity': 1,
15                                                            'Items': [path]
16                                                        },
17                                                        'CallerReference': str(time.time())
18                                                    })
```