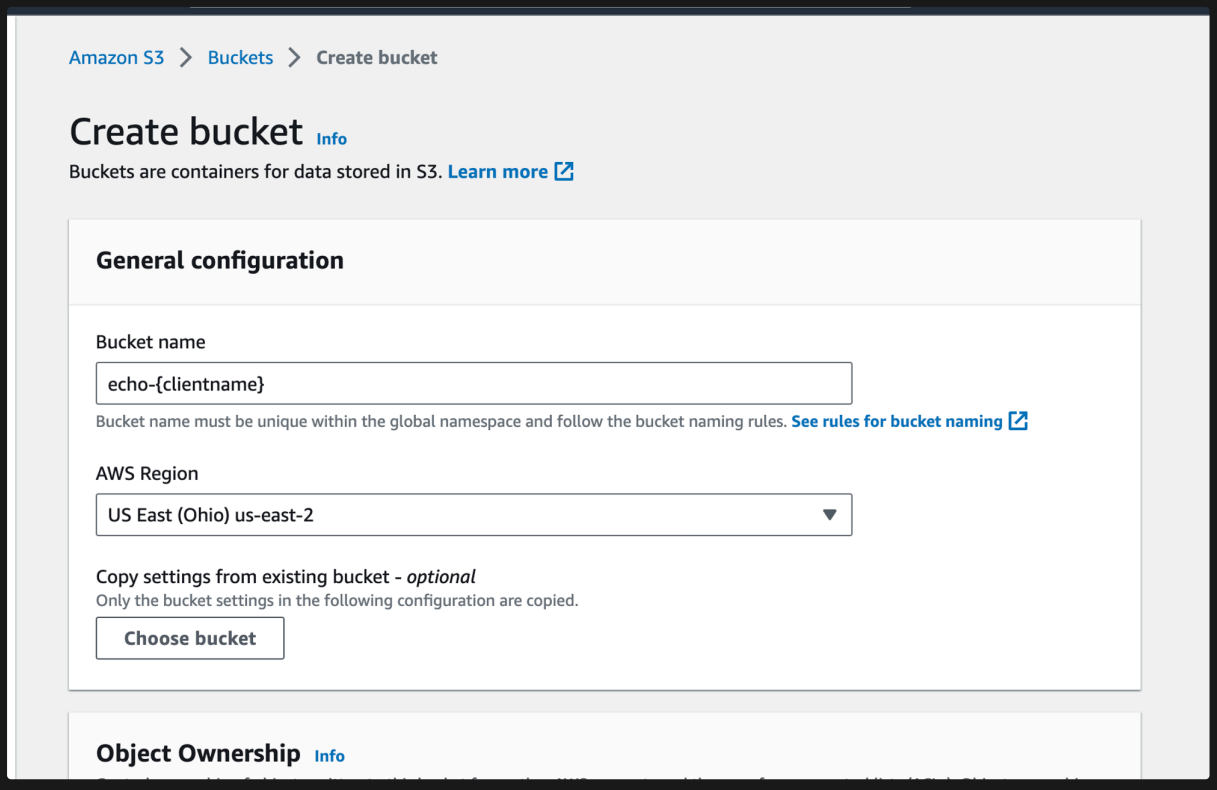
Setup S3 & Cloudfront for Laravel/Statamic

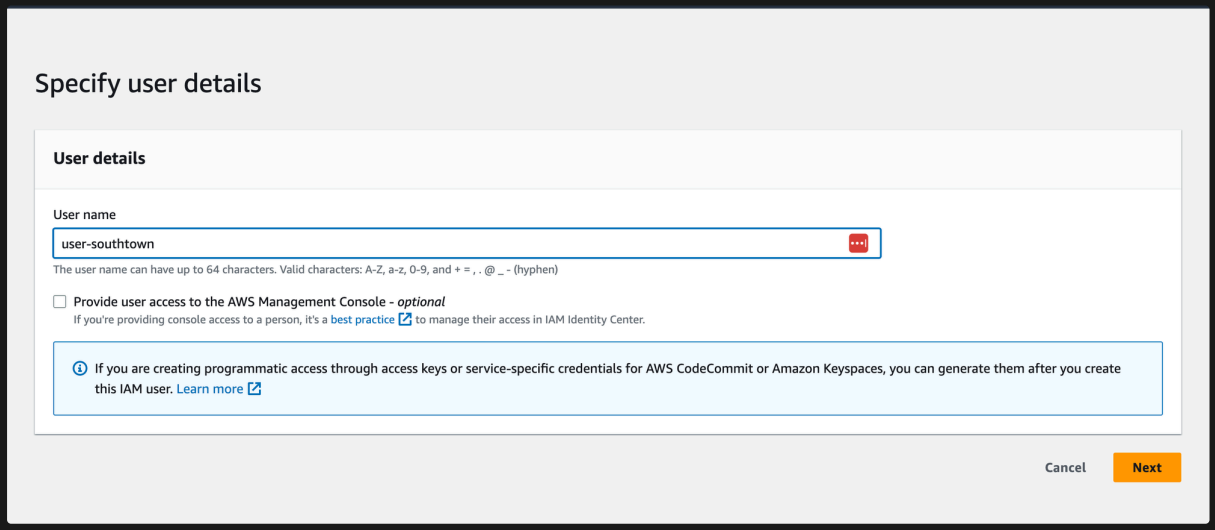
Create S3 Bucket

Name it `echo-{clientname}` and leave all settings as is. So if the client name is `quikprint` then the name for the bucket should be `echo-quikprint`. Don't add any permissions to the S3 bucket just yet.



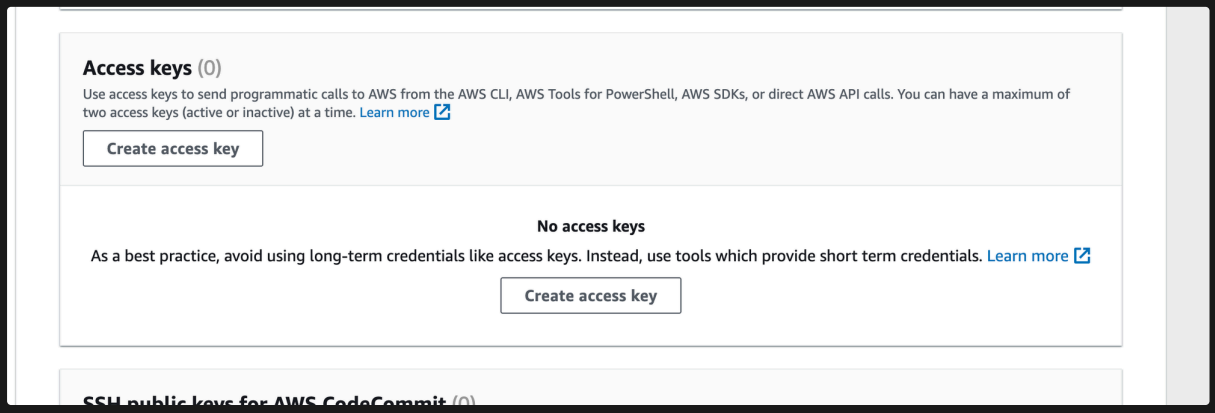
Add a new IAM user for project

Add the user to the IAM using `user-{client name}`. So example would be `user-thebendsportsbar`. Make sure to give it programmatic access.



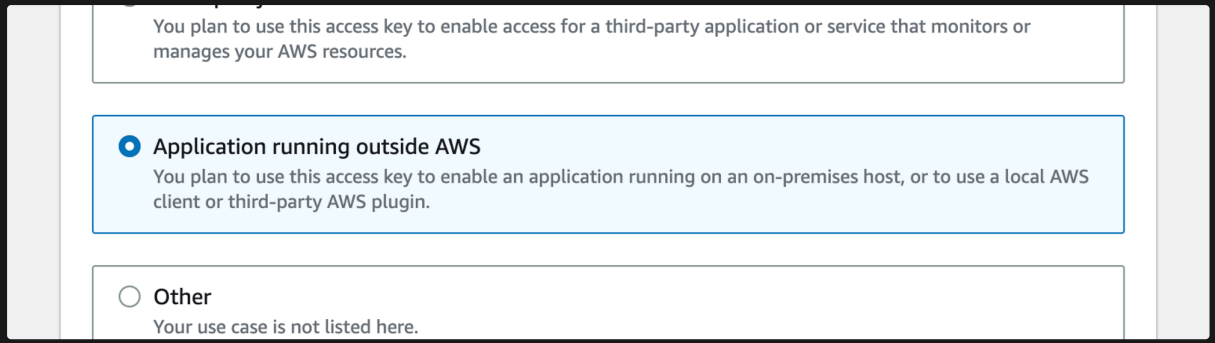
Attach Role Group

Attach permissions by adding the `EchoWebAssetGroup` to the newly created user. Click on the user and generate the access keys under `Security Credentials`.



Credential purpose

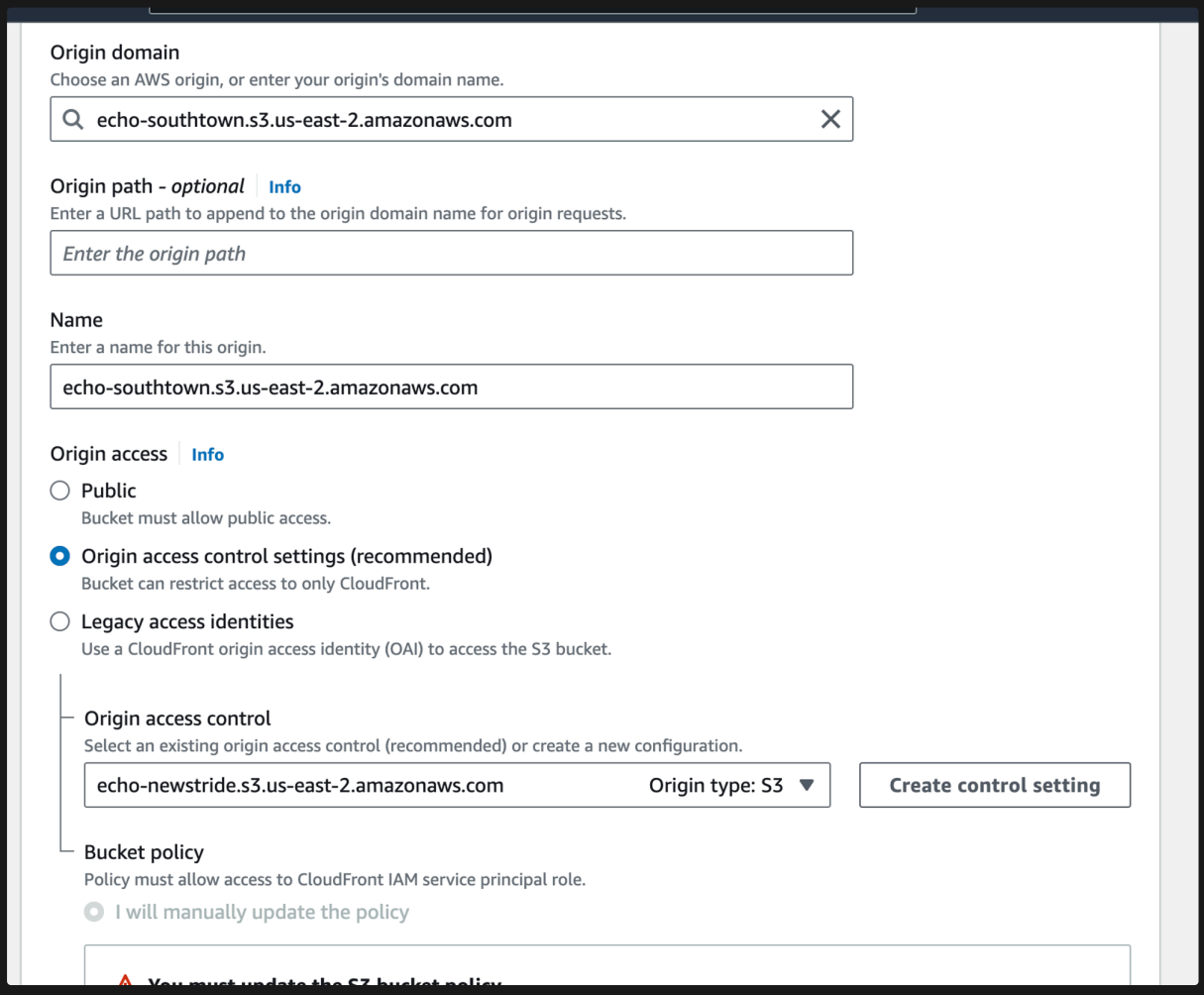
Select `Application running outside AWS` for access key practice.



After you create user be sure the save the `Access ID` and `Secret Key` in a safe place and add it to your `.env` file.

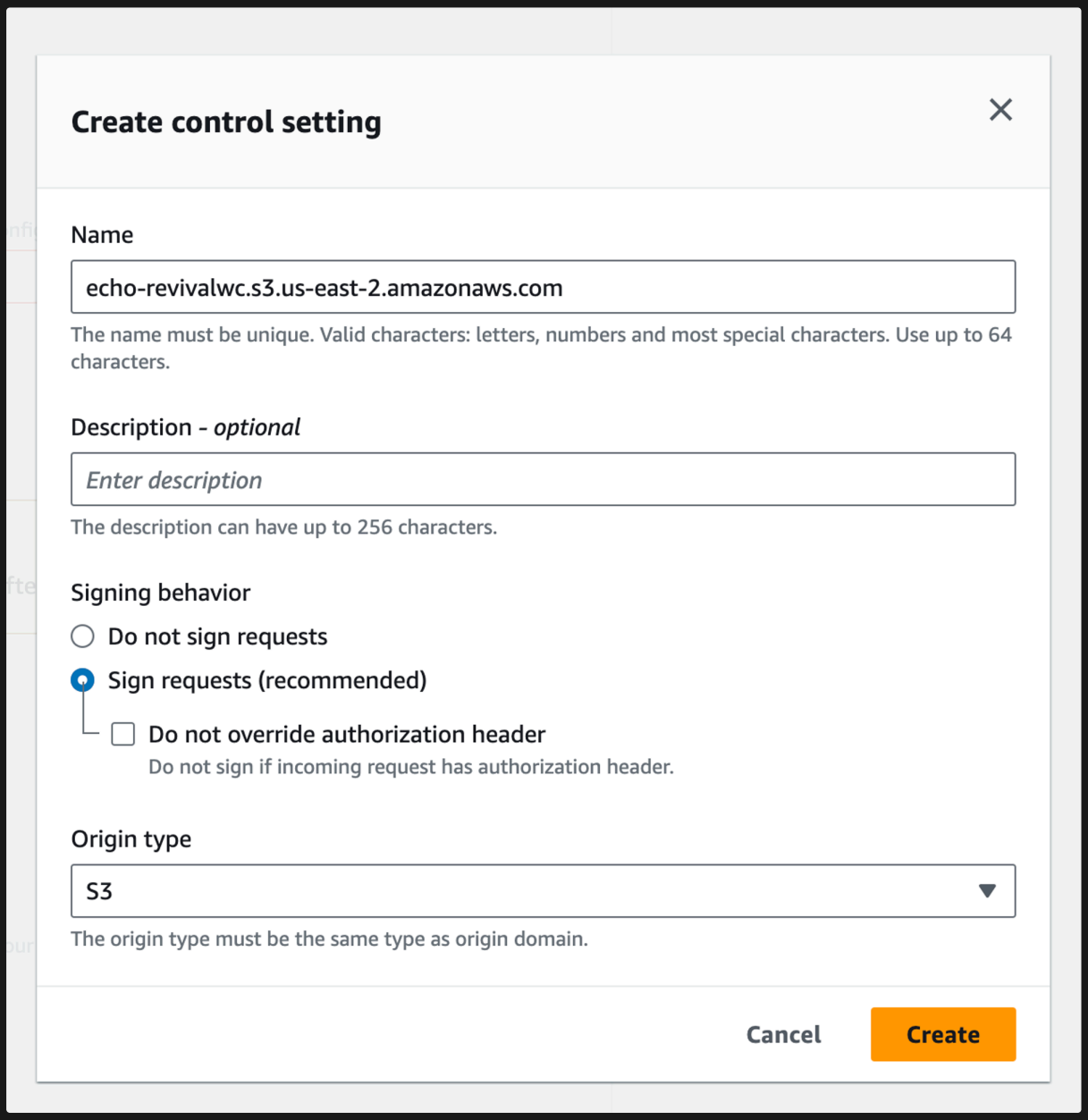
Add CloudFront distribution

Next add the CloudFront distribution and you will see the S3 bucket listed to select from. Select `Origin access control settings (reccomended)`. Then click on `Create control setting (Create New OAC)` button.



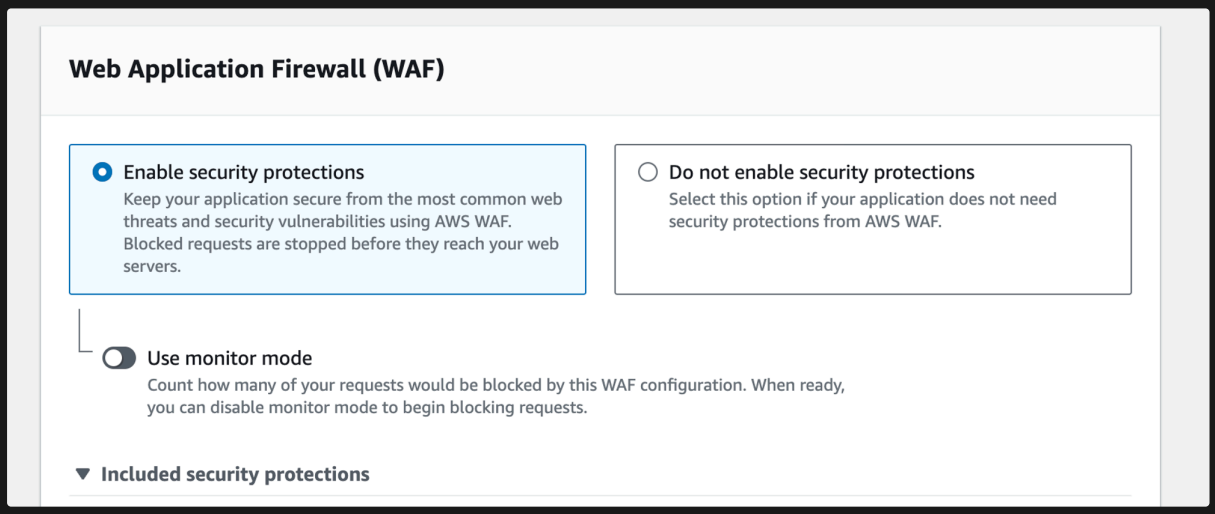
Add Control Setting

Leave default setup and hit create.



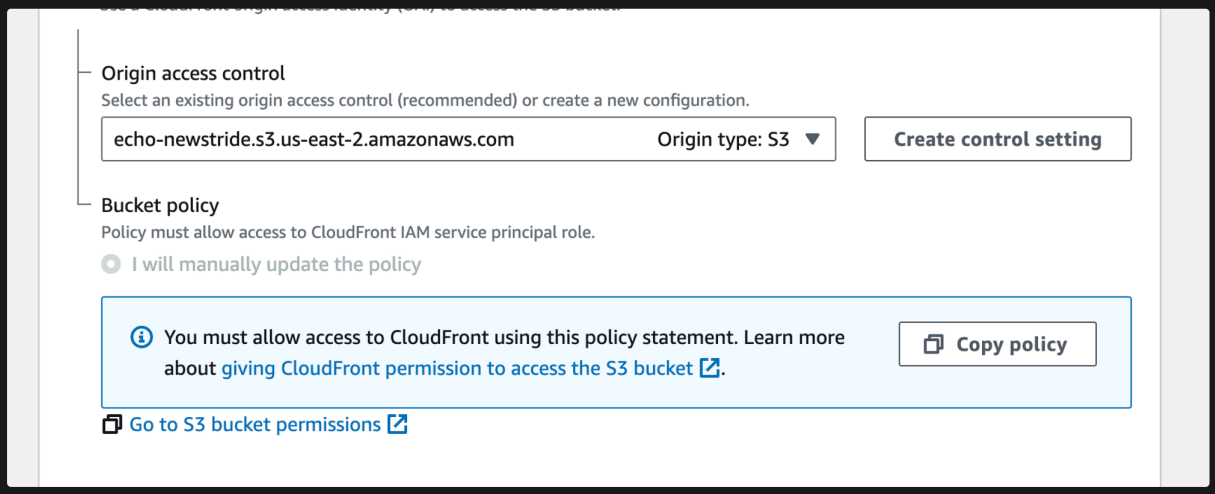
Firewall Security

Select firewall selection below to enable security protection. Then click on the `Create Distribution` button.



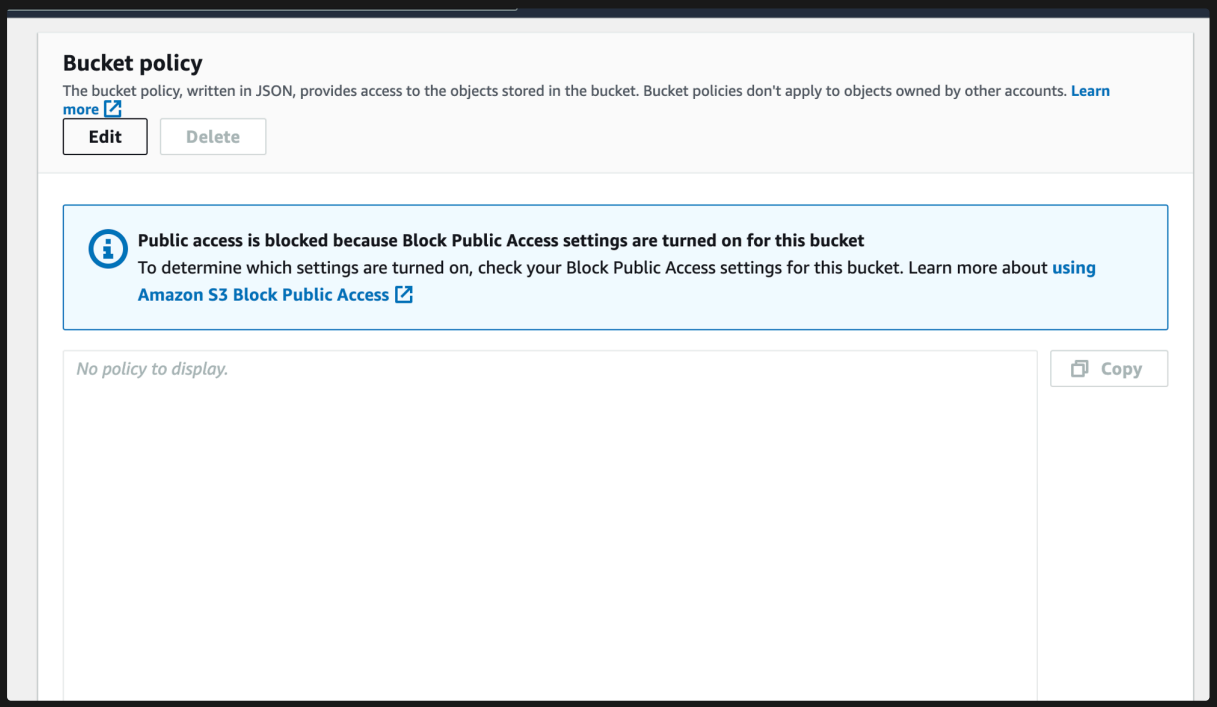
Allow Cloudfront access to S3

After saved, click on the distribution again to grab the policy needed for the S3 bucket. Go to `Origin`, select the distribution and then click the `Edit` button.



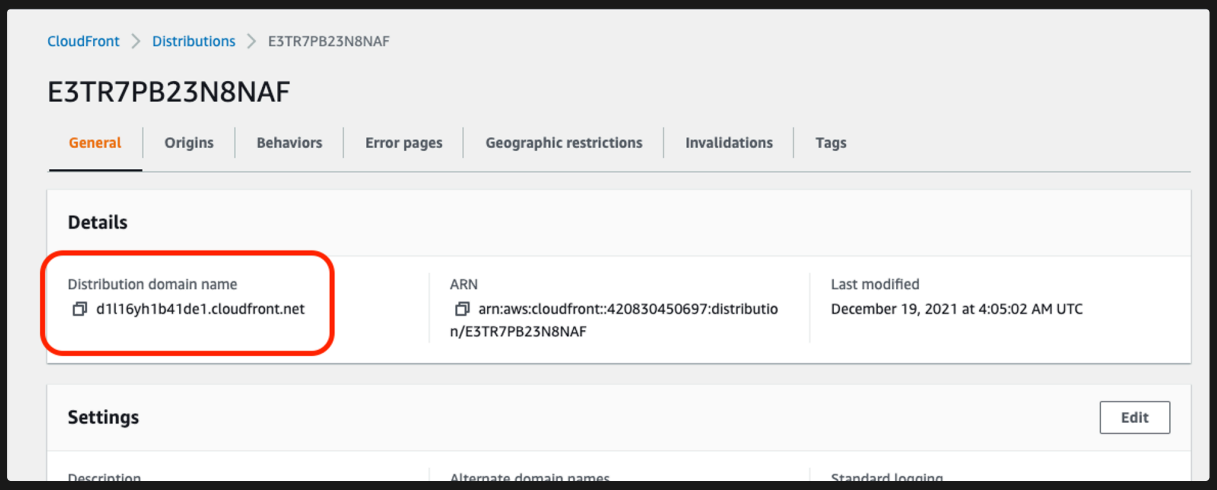
Update S3 bucket policy

Edit the S3 policy and paste the policy from above. Go to the S3 bucket and click on `Permissions`. Attach the bolicy by editing the bucket policy.



Project ENV Setup

Copy the url from the created distribution for the CloudFront account.



Project Library setup

Be sure to install the filesystem helpers outlined in Laravel docs.

```
composer require league/flysystem-aws-s3-v3 "^3.0" --with-all-dependencies
```

ENV Example Below

```
FILESYSTEM_DISK=s3 AWS_ACCESS_KEY_ID={aws id}
AWS_SECRET_ACCESS_KEY={aws key} AWS_DEFAULT_REGION={input region
name} AWS_BUCKET=echo-{client name} AWS_URL={cloud front url you
copied from previous page}
```

Modify configuration with new change

Now modify the `config > filesystems.php` file and comment out or add `'visibility' => 'private'`.

```
's3' => [ 'driver' => 's3', 'key' => env('AWS_ACCESS_KEY_ID'), 'sec
ret' => env('AWS_SECRET_ACCESS_KEY'), 'region' => env('AWS_DEFAULT_
REGION'), 'bucket' => env('AWS_BUCKET'), 'url' => env('AWS_URL'),
'endpoint' => env('AWS_ENDPOINT'), 'use_path_style_endpoint' => env
('AWS_USE_PATH_STYLE_ENDPOINT', false), 'visibility' => 'private',
// https://statamic.dev/assets#visibility 'throw' => false, ],
```

Change Asset Container Configuration

Select S3 for the Disk.