S3 BUCKET FOR AWS CODEPIPELINE ARTIFACTS

Create bucket

Buckets are containers for data stored in S3. Learn more ⬈

General configuration

Bucket name

```
awscode-artifacts
```

Bucket name must be unique and must not contain spaces or uppercase letters. See rules for bucket naming ⬈

Region

```
US East (N. Virginia) us-east-1                              ▾
```

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

Choose bucket

Amazon S3 > awscode-artifacts > 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:::awscode-artifacts

Policy

```
 1 ▾ {
 2 ▾     "Statement": [
 3 ▾         {
 4               "Sid": "WhitelistedGet",
 5               "Effect": "Allow",
 6 ▾             "Principal": {
 7                   "AWS": [
 8                       "arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodeBuildServiceRole",
 9                       "arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodePipelineServiceRol
10                   ]
11               },
12               "Action": [
```
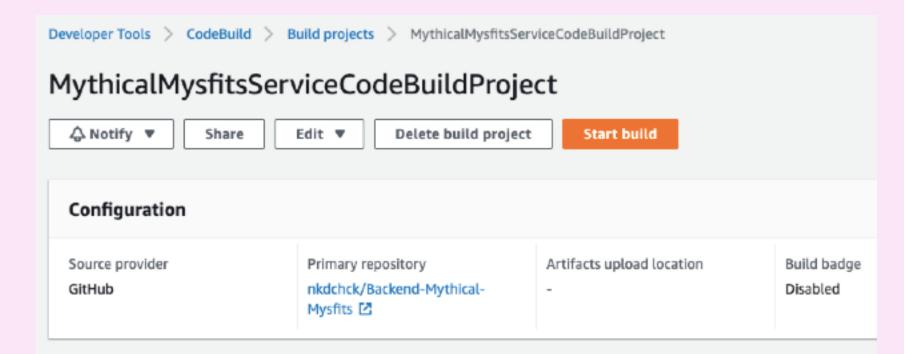

`{..} artifacts-bucket-policy.json ✕`

iac > IaC-Mythical-Misfits > {..} artifacts-bucket-policy.json > ...

```json
 1  {
 2      "Statement": [
 3          {
 4            "Sid": "WhitelistedGet",
 5            "Effect": "Allow",
 6            "Principal": {
 7                "AWS": [
 8                    "arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodeBuildServiceRole",
 9                    "arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodePipelineServiceRole"
10                ]
11            },
12            "Action": [
13                "s3:GetObject",
14                "s3:GetObjectVersion",
15                "s3:GetBucketVersioning"
16            ],
17            "Resource": [
18                "arn:aws:s3:::awscode-artifacts/*",
19                "arn:aws:s3:::awscode-artifacts"
20            ]
21          },
22          {
23            "Sid": "WhitelistedPut",
24            "Effect": "Allow",
25            "Principal": {
26                "AWS": [
27                    "arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodeBuildServiceRole",
28                    "arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodePipelineServiceRole"
29                ]
30            },
31            "Action": "s3:PutObject",
32            "Resource": [
33                "arn:aws:s3:::awscode-artifacts/*",
34                "arn:aws:s3:::awscode-artifacts"
35            ]
36          }
37      ]
38  }
```

CODEBUILD PROJECT SETUP

Project configuration

Project name

MythicalMysfitsServiceCodeBuildProject

A project name must be 2 to 255 characters. It can include the letters A-Z and a-z, the numbers 0-9, and the special characters - and _.

Source

Add source

Source 1 - Primary

Source provider

GitHub ▼

Repository

○ Public repository   ● Repository in my GitHub account

GitHub repository

🔍 https://github.com/nkdchck/Backend-Mythical-Mysfits.git   ✕   ↻

https://github.com/<user-name>/<repository-name>

Connection status

You are connected to GitHub using a personal access token.

Disconnect from GitHub

Source version - optional Info

Enter a pull request, branch, commit ID, tag, or reference and a commit ID.

master

▶ Additional configuration

Git clone depth, Git submodules, Build status config

Environment variables

Name	Value	Type	
AWS_ACCOUNT_ID	959910143348	Plaintext ▼	Remove
AWS_DEFAULT_REGION	us-east-1	Plaintext ▼	Remove

Add environment variable

Developer Tools > CodeBuild > Build projects > MythicalMysfitsServiceCodeBuildProject

MythicalMysfitsServiceCodeBuildProject

△ Notify ▼ | Share | Edit ▼ | Delete build project | Start build

Configuration

Source provider	Primary repository	Artifacts upload location	Build badge
GitHub	nkdchck/Backend-Mythical-Mysfits ↗	-	Disabled

{} code-build-project.json ✕

iac > IaC-Mythical-Misfits > {} code-build-project.json > {} source > ▦ location

```json
{
    "name": "MythicalMysfitsServiceCodeBuildProject",
    "artifacts": {
        "type": "no_artifacts"
    },
    "environment": {
        "computeType": "BUILD_GENERAL1_SMALL",
        "image": "aws/codebuild/python:3.5.2",
        "privilegedMode": true,
        "environmentVariables": [
            {
                "name": "AWS_ACCOUNT_ID",
                "value": "959910143348"
            },
            {
                "name": "AWS_DEFAULT_REGION",
                "value": "us-east-1"
            }
        ],
        "type": "LINUX_CONTAINER"
    },
    "serviceRole": "arn:aws:iam::959910143348:role/MythicalMysfitsServiceCodeBuildServiceRole",
    "source": {
        "type": "GITHUB",
        "location": "https://github.com/nkdchck/Backend-Mythical-Mysfits"
    }
}
```

TERMINAL   PROBLEMS   OUTPUT   DEBUG CONSOLE   1: bash

```
MacBook-Air-nikita:IaC-Mythical-Misfits nkdchck$ aws codebuild create-project --cli-input-json file://./code-build-project.json
project:
    arn: arn:aws:codebuild:us-east-1:959910143348:project/MythicalMysfitsServiceCodeBuildProject
    artifacts:
        encryptionDisabled: false
        name: MythicalMysfitsServiceCodeBuildProject
        packaging: NONE
        type: NO_ARTIFACTS
    badge:
        badgeEnabled: false
    cache:
        type: NO_CACHE
    created: '2020-11-17T18:25:01.455000+03:00'
    encryptionKey: arn:aws:kms:us-east-1:959910143348:alias/aws/s3
MacBook-Air-nikita:IaC-Mythical-Misfits nkdchck$
```

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