TransLogix

CI/CD

**Кроки для інтеграції AWS з GitHub**

**1. Створіть IAM-користувача на AWS**

1. **Перейдіть в IAM консоль:**
   * Увійдіть у ваш AWS обліковий запис і відкрийте IAM (Identity and Access Management) консоль.
2. **Створіть нового IAM-користувача:**
   * Натисніть "Add user" (Додати користувача).
   * Введіть ім'я користувача (наприклад, github-actions-user).
   * Оберіть тип доступу "Programmatic access" (Програмний доступ).
3. **Призначте політики доступу:**
   * Виберіть або створіть політику, яка надає необхідні дозволи (наприклад, AmazonS3FullAccess, EC2FullAccess, або інші в залежності від ваших потреб).
4. **Завершіть створення:**
   * Створіть користувача і збережіть Access Key ID та Secret Access Key.

**2. Налаштуйте GitHub Secrets**

1. **Перейдіть до налаштувань вашого репозиторію:**
   * Відкрийте ваш репозиторій на GitHub.
   * Натисніть "Settings" (Налаштування), а потім "Secrets and variables" > "Actions".
2. **Додайте нові секрети:**
   * Натисніть "New repository secret" (Новий секрет репозиторію).
   * Додайте AWS\_ACCESS\_KEY\_ID як ім'я секрету та ваш Access Key ID як значення.
   * Додайте AWS\_SECRET\_ACCESS\_KEY як ім'я секрету та ваш Secret Access Key як значення.

**3. Оновіть ваш YAML-файл для CI/CD**

Ось приклад, як можна оновити ваш workflow, щоб використовувати AWS CLI:

yaml

name: Deploy to AWS S3

on:

push:

branches:

- main

jobs:

deploy:

runs-on: ubuntu-latest

steps:

- name: Checkout code

uses: actions/checkout@v4

- name: Set up Python

uses: actions/setup-python@v5

with:

python-version: '3.x'

- name: Install dependencies

run: |

python -m pip install --upgrade pip

# pip install -r requirements.txt

- name: Configure AWS credentials

uses: aws-actions/configure-aws-credentials@v3

with:

aws-access-key-id: ${{ secrets.AWS\_ACCESS\_KEY\_ID }}

aws-secret-access-key: ${{ secrets.AWS\_SECRET\_ACCESS\_KEY }}

aws-region: ${{ secrets.AWS\_REGION }}

- name: List files

run: ls -la

- name: Deploy to S3

run: |

aws s3 cp my-app/ s3://translogixbucket/ --recursive

Код відпрацював успішно.

Логи записую для ChatGPT

[deploy](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#logs)

succeeded 4 minutes ago in 18s

Top of Form

Bottom of Form

Set up job

1s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:1)Current runner version: '2.319.0'

[2](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:2)Operating System

[6](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:7)Runner Image

[11](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:13)Runner Image Provisioner

[13](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:16)GITHUB\_TOKEN Permissions

[17](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:21)Secret source: Actions

[18](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:22)Prepare workflow directory

[19](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:23)Prepare all required actions

[20](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:24)Getting action download info

[21](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:25)Download action repository 'actions/checkout@v4' (SHA:692973e3d937129bcbf40652eb9f2f61becf3332)

[22](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:26)Download action repository 'actions/setup-python@v5' (SHA:39cd14951b08e74b54015e9e001cdefcf80e669f)

[23](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:27)Download action repository 'aws-actions/configure-aws-credentials@v3' (SHA:50ac8dd1e1b10d09dac7b8727528b91bed831ac0)

[24](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:1:28)Complete job name: deploy

Checkout code

1s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:1)Run actions/checkout@v4

[16](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:17)Syncing repository: westukr1/TransLogix-repository

[17](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:18)Getting Git version info

[21](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:23)Temporarily overriding HOME='/home/runner/work/\_temp/ffe22007-8fa2-4d9f-8b94-6b4e2de3ea86' before making global git config changes

[22](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:24)Adding repository directory to the temporary git global config as a safe directory

[23](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:25)/usr/bin/git config --global --add safe.directory /home/runner/work/TransLogix-repository/TransLogix-repository

[24](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:26)Deleting the contents of '/home/runner/work/TransLogix-repository/TransLogix-repository'

[25](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:27)Initializing the repository

[39](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:42)Disabling automatic garbage collection

[41](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:45)Setting up auth

[47](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:52)Fetching the repository

[51](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:57)Determining the checkout info

[52](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:59)/usr/bin/git sparse-checkout disable

[53](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:60)/usr/bin/git config --local --unset-all extensions.worktreeConfig

[54](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:61)Checking out the ref

[58](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:66)/usr/bin/git log -1 --format='%H'

[59](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:2:67)'68ef0999ce4f3b7d39eca5463dbcdc2fe2c5c4b4'

Set up Python

0s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:3:1)Run actions/setup-python@v5

[8](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:3:9)Installed versions

Install dependencies

6s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:4:1)Run python -m pip install --upgrade pip

[12](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:4:13)Requirement already satisfied: pip in /opt/hostedtoolcache/Python/3.12.4/x64/lib/python3.12/site-packages (24.2)

Configure AWS credentials

0s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:5:1)Run aws-actions/configure-aws-credentials@v3

[14](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:5:15)Proceeding with IAM user credentials

List files

0s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:1)Run ls -la

[15](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:16)total 36

[16](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:17)drwxr-xr-x 6 runner docker 4096 Aug 15 16:27 .

[17](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:18)drwxr-xr-x 3 runner docker 4096 Aug 15 16:27 ..

[18](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:19)drwxr-xr-x 8 runner docker 4096 Aug 15 16:27 .git

[19](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:20)drwxr-xr-x 3 runner docker 4096 Aug 15 16:27 .github

[20](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:21)drwxr-xr-x 2 runner docker 4096 Aug 15 16:27 BackendFiles

[21](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:22)-rw-r--r-- 1 runner docker 1065 Aug 15 16:27 LICENSE

[22](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:23)-rw-r--r-- 1 runner docker 2467 Aug 15 16:27 README.md

[23](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:24)drwxr-xr-x 6 runner docker 4096 Aug 15 16:27 my-app

[24](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:6:25)-rw-r--r-- 1 runner docker 70 Aug 15 16:27 requirements

Deploy to S3

6s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:1)Run aws s3 cp my-app/ s3://translogixbucket/ --recursive

[15](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:16)Completed 1 Byte/5 Bytes (0 Bytes/s) with 5 file(s) remaining

[16](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:17)upload: my-app/src/test to s3://translogixbucket/src/test

[17](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:18)Completed 1 Byte/5 Bytes (0 Bytes/s) with 4 file(s) remaining

[18](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:19)Completed 2 Bytes/5 Bytes (1 Bytes/s) with 4 file(s) remaining

[19](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:20)upload: my-app/index.html to s3://translogixbucket/index.html

[20](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:21)Completed 2 Bytes/5 Bytes (1 Bytes/s) with 3 file(s) remaining

[21](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:22)Completed 3 Bytes/5 Bytes (1 Bytes/s) with 3 file(s) remaining

[22](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:23)upload: my-app/templates/test to s3://translogixbucket/templates/test

[23](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:24)Completed 3 Bytes/5 Bytes (1 Bytes/s) with 2 file(s) remaining

[24](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:25)Completed 4 Bytes/5 Bytes (2 Bytes/s) with 2 file(s) remaining

[25](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:26)upload: my-app/static/test to s3://translogixbucket/static/test

[26](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:27)Completed 4 Bytes/5 Bytes (2 Bytes/s) with 1 file(s) remaining

[27](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:28)Completed 5 Bytes/5 Bytes (3 Bytes/s) with 1 file(s) remaining

[28](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:7:29)upload: my-app/config/test to s3://translogixbucket/config/test

Post Configure AWS credentials

0s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:12:1)Post job cleanup.

Post Set up Python

0s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:13:1)Post job cleanup.

Post Checkout code

0s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:1)Post job cleanup.

[2](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:2)/usr/bin/git version

[3](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:3)git version 2.46.0

[4](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:4)Temporarily overriding HOME='/home/runner/work/\_temp/576d36f7-775f-411d-a35c-52a2b3b3e9b1' before making global git config changes

[5](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:5)Adding repository directory to the temporary git global config as a safe directory

[6](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:6)/usr/bin/git config --global --add safe.directory /home/runner/work/TransLogix-repository/TransLogix-repository

[7](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:7)/usr/bin/git config --local --name-only --get-regexp core\.sshCommand

[8](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:8)/usr/bin/git submodule foreach --recursive sh -c "git config --local --name-only --get-regexp 'core\.sshCommand' && git config --local --unset-all 'core.sshCommand' || :"

[9](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:9)/usr/bin/git config --local --name-only --get-regexp http\.https\:\/\/github\.com\/\.extraheader

[10](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:10)http.<https://github.com/.extraheader>

[11](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:11)/usr/bin/git config --local --unset-all http.<https://github.com/.extraheader>

[12](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:14:12)/usr/bin/git submodule foreach --recursive sh -c "git config --local --name-only --get-regexp 'http\.https\:\/\/github\.com\/\.extraheader' && git config --local --unset-all 'http.<https://github.com/.extraheader>' || :"

Complete job

0s

[1](https://github.com/westukr1/TransLogix-repository/actions/runs/10407048753/job/28821459675#step:15:1)Cleaning up orphan processes

**AWS**

Створений юзер для інтеграції з GitHub

**GitHub\_actions\_user**

**Summary**

ARN

arn:aws:iam::525771579296:user/GitHub\_actions\_user

Console access

Enabled without MFA

Bucket

Name translogixbucket

JSON (створений успішно)

{

"Version": "2012-10-17",

"Statement": [

{

"Effect": "Allow",

"Principal": {

"AWS": "arn:aws:iam::525771579296:user/GitHub\_actions\_user"

},

"Action": [

"s3:PutObject",

"s3:PutObjectAcl"

],

"Resource": "arn:aws:s3:::translogixbucket/\*"

}

]

}

**Додаткові рекомендації**

* **Обмежте доступ:** Переконайтеся, що IAM-користувач має тільки необхідні дозволи для виконання задач.
* **Секрети:** Завжди зберігайте доступи в GitHub Secrets і ніколи не додавайте їх у репозиторій.
* **Безпека:** Розгляньте можливість використання AWS IAM Role для більш безпечного управління доступом.