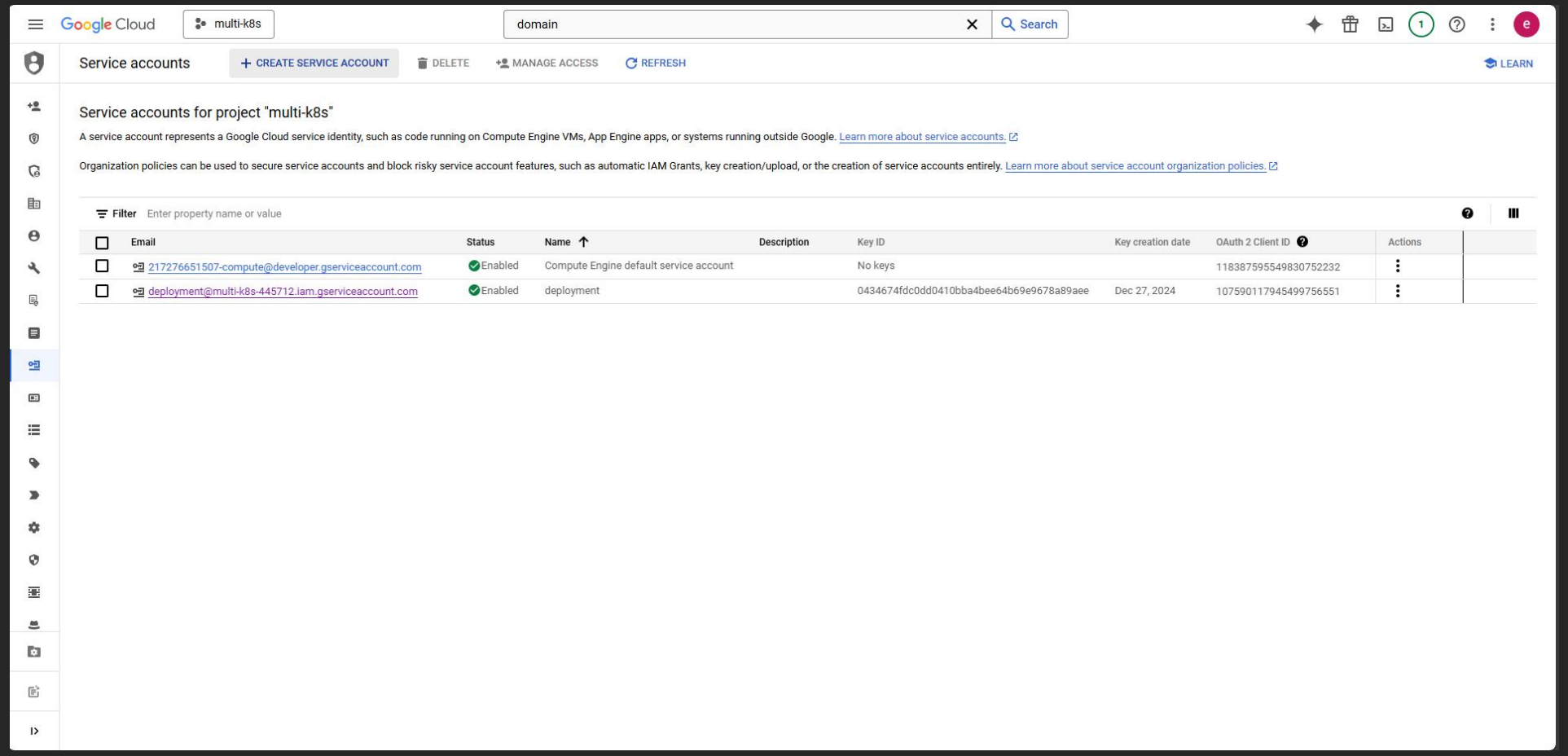
05.Github Actions Secret, Repo secret
- Server folder tree

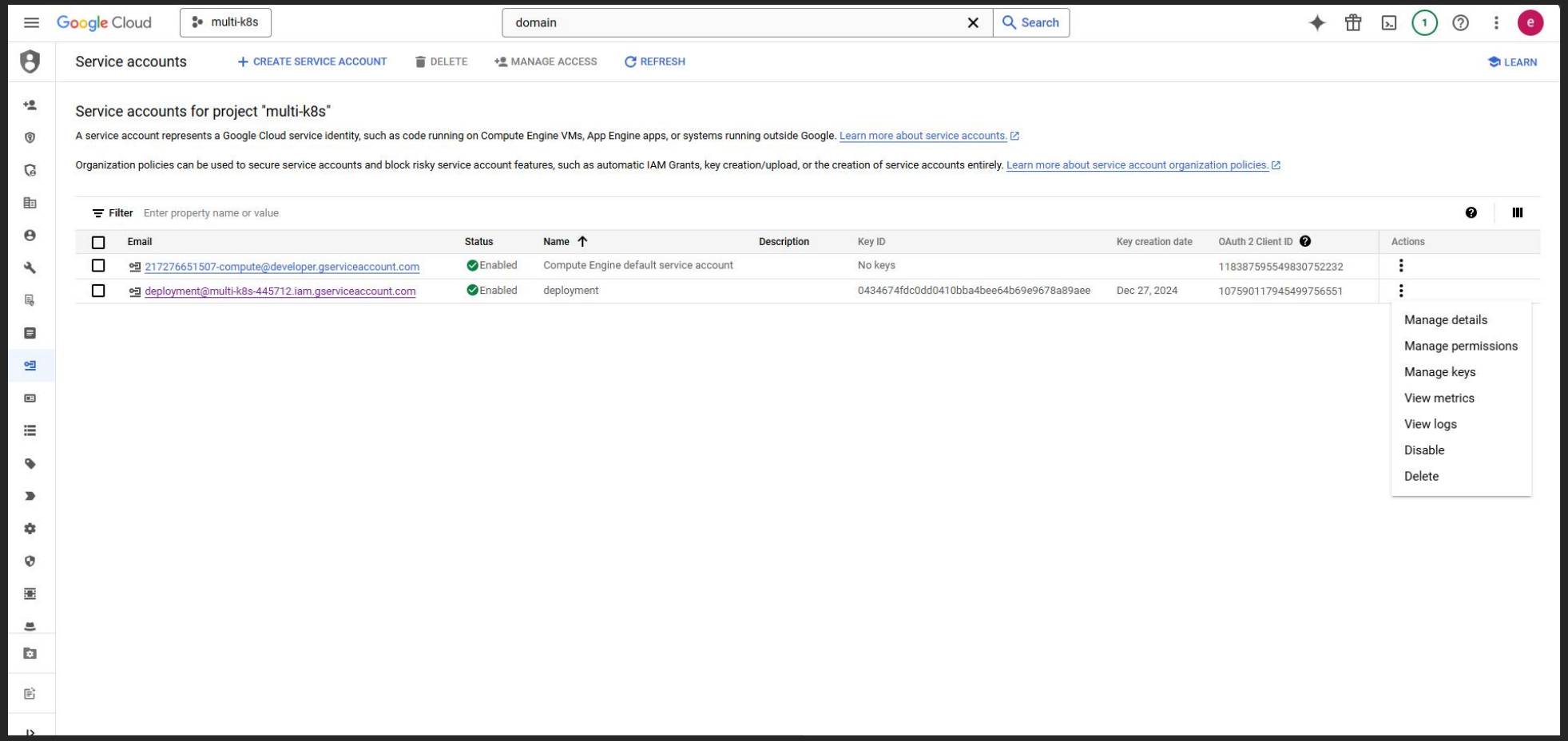
- Creating a Service Account on GCP.
- Encrypting on Git.
- Adding PASSPHRASE secret to the repo secret.
- Adding username and password secrets for Docker Hub login.

05.Github Actions Secret, Repo secret

- console.cloud.google.com/
- iam-admin/serviceaccount
- Create Service Account
- Select a Role / Kubernetes Engine Admin



05.Github Actions Secret, Repo secret
- Manage keys/Create new key/JSON



05.Github Actions Secret, Repo secret
- Manage keys/Create new key/JSON

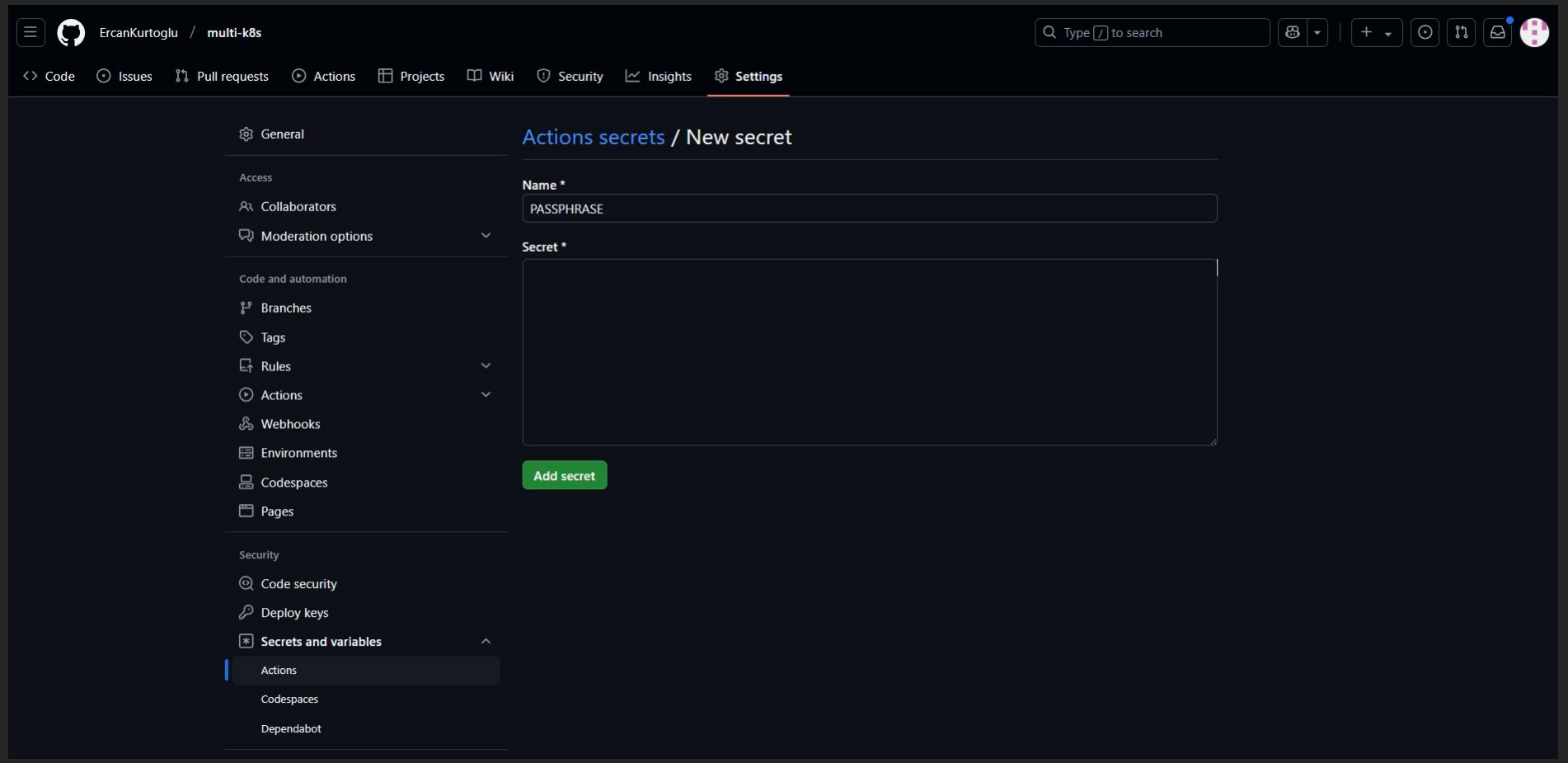
```
gpg --symetric --cipher-algo AES256 service-account.json
```

service-account.json.gpg

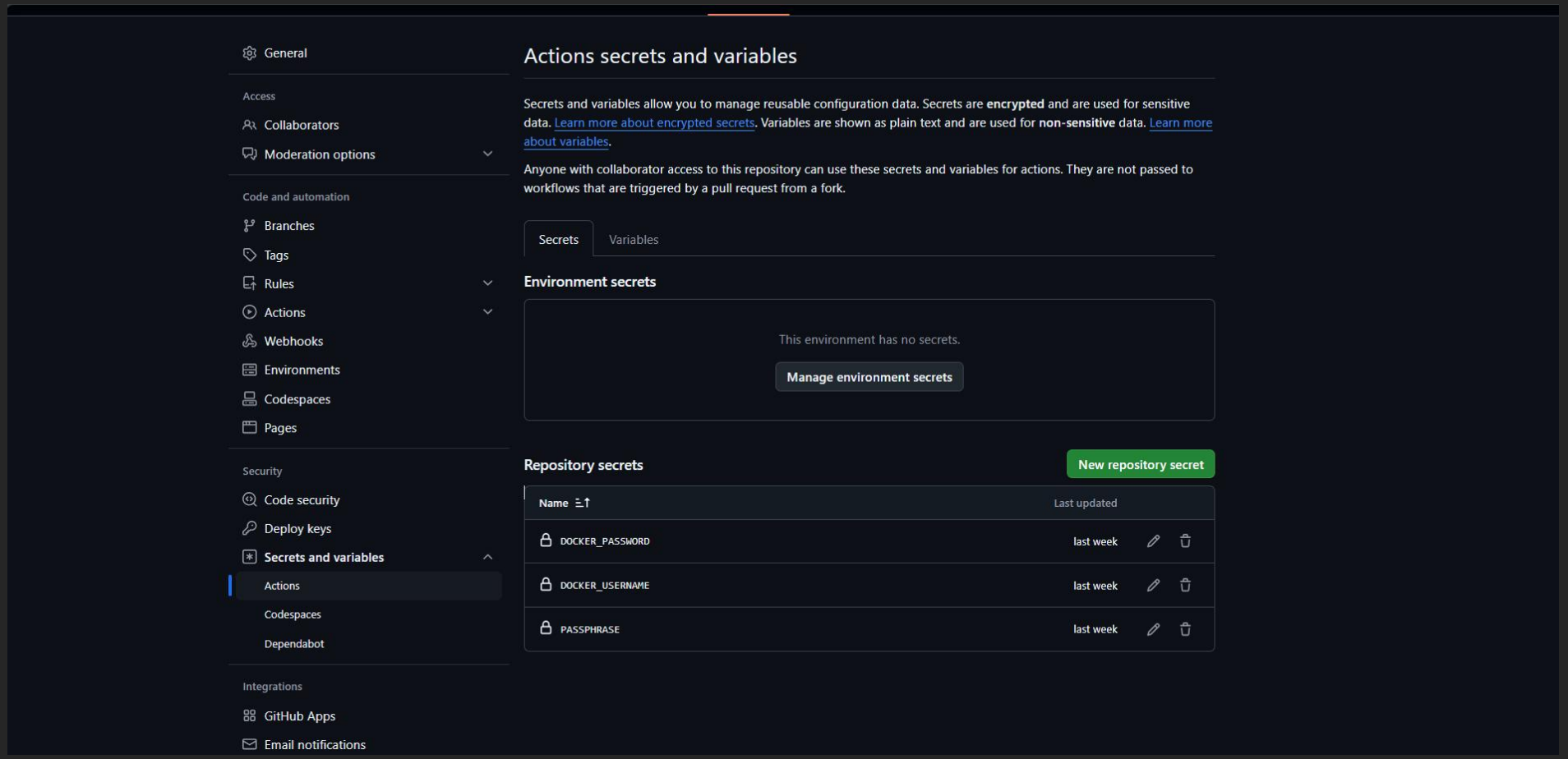
- The downloaded JSON file is encrypted using the gpg command.
- The gpg command will prompt for a Passphrase. This passphrase should also be added to the GitHub repo secrets section.
- The encrypted file will have a ‘.gpg‘ extension.

05.Github Actions Secret, Repo secret

- https://github.com/ErcanKurtoglu/multi-k8s/settings/secrets/actions



05.Github Actions Secret, Repo secret
- all secrets

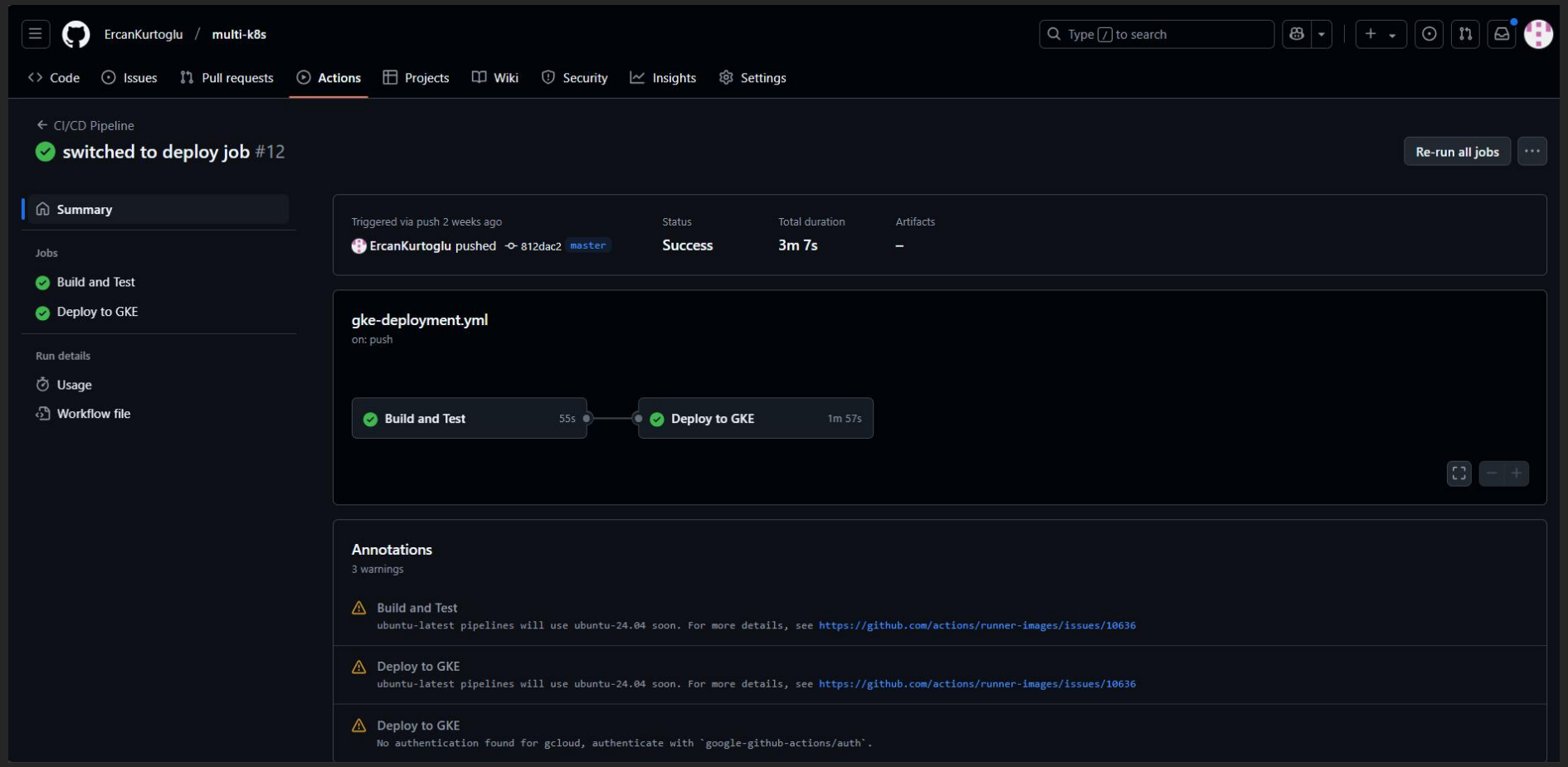


05.Github Actions Secret, Repo secret
- Decryption json file

```yaml
deploy:
  name: Deploy to GKE
  runs-on: ubuntu-latest
  needs: build

  steps:
    - name: Checkout code
      uses: actions/checkout@v4

    - name: Decrypt service account key
      run: gpg --quiet --batch --yes --decrypt --passphrase="${{ secrets.PASSPHRASE }}" --output service-account.json service-account.json.gpg

    - name: Authenticate to Google Cloud
      run: gcloud auth activate-service-account --key-file=service-account.json
```

05.Github Actions Secret, Repo secret
- CI/CD with succeed result