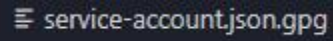


05.Github Actions Secret, Repo secret

- Server klasör ağacı



service-account.json.gpg

- GCP' den Service Account oluşturma.
- Git üzerinde encrypt etme.
- Repo secret'ına PASSPHRASE secret ekleme
- Docker hub girişi için username ve password secret ekleme

05.Github Actions Secret, Repo secret

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

The screenshot shows the Google Cloud IAM console for project "multi-k8s". The page title is "Service accounts" with a search bar containing "domain". The left sidebar shows the navigation menu with "Service accounts" selected. The main content area displays "Service accounts for project 'multi-k8s'" and provides information about service accounts and organization policies. Below this is a table of service accounts.

Email	Status	Name	Description	Key ID	Key creation date	OAuth 2 Client ID	Actions
217276651507-compute@developer.gserviceaccount.com	Enabled	Compute Engine default service account		No keys		118387595549830752232	⋮
deployment@multi-k8s-445712.iam.gserviceaccount.com	Enabled	deployment		0434674fdc0dd0410bba4bee64b69e9678a89aee	Dec 27, 2024	107590117945499756551	⋮

05.Github Actions Secret, Repo secret

- Manage keys/Create new key/JSON

Google Cloud multi-k8s domain

Service accounts + CREATE SERVICE ACCOUNT DELETE MANAGE ACCESS REFRESH

Service accounts for project "multi-k8s"

A service account represents a Google Cloud service identity, such as code running on Compute Engine VMs, App Engine apps, or systems running outside Google. [Learn more about service accounts.](#)

Organization policies can be used to secure service accounts and block risky service account features, such as automatic IAM Grants, key creation/upload, or the creation of service accounts entirely. [Learn more about service account organization policies.](#)

Filter Enter property name or value

Email	Status	Name ↑	Description	Key ID	Key creation date	OAuth 2 Client ID	Actions
217276651507-compute@developer.gserviceaccount.com	Enabled	Compute Engine default service account		No keys		118387595549830752232	⋮
deployment@multi-k8s-445712.iam.gserviceaccount.com	Enabled	deployment		0434674fdc0dd0410bba4bee64b69e9678a89aee	Dec 27, 2024	107590117945499756551	⋮

- Manage details
- Manage permissions
- Manage keys
- View metrics
- View logs
- Disable
- Delete

05.Github Actions Secret, Repo secret

- Manage keys/Create new key/JSON

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

```
≡ service-account.json.gpg
```

- İndirilen json dosyası gpg komutuyla encrypt edilir.
- gpg kodu bir Passphrase şifresi girilmesini ister. Girilecek bu şifre Github repo secrets bölümüne de eklenmelidir
- Encrypt edilmiş dosya uzantısı '.gpg' olur.

05.Github Actions Secret, Repo secret

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

The screenshot shows the GitHub interface for the repository 'multi-k8s' by user 'ErcanKurtoglu'. The 'Settings' tab is selected, and the 'Secrets and variables' section is expanded, with 'Actions' selected. The 'Actions secrets / New secret' page is displayed, featuring a form with two fields: 'Name *' (containing 'PASSPHRASE') and 'Secret *' (a large text area). A green 'Add secret' button is located below the 'Secret' field. The left sidebar contains a list of settings categories: General, Access, Collaborators, Moderation options, Code and automation (Branches, Tags, Rules, Actions, Webhooks, Environments, Codespaces, Pages), Security (Code security, Deploy keys, Secrets and variables), and Dependabot. The 'Secrets and variables' section is currently expanded, showing 'Actions', 'Codespaces', and 'Dependabot'.

05.Github Actions Secret, Repo secret - all secrets

The screenshot shows the GitHub Actions secrets and variables page. The left sidebar contains navigation links for General, Access, Collaborators, Moderation options, Code and automation, Security, and Integrations. The main content area is titled 'Actions secrets and variables' and includes a description of secrets and variables, tabs for Secrets and Variables, and sections for Environment secrets and Repository secrets.

General

Access

Collaborators

Moderation options

Code and automation

Branches

Tags

Rules

Actions

Webhooks

Environments

Codespaces

Pages

Security

Code security

Deploy keys

Secrets and variables

Actions

Codespaces

Dependabot

Integrations

GitHub Apps

Email notifications

Actions secrets and variables

Secrets and variables allow you to manage reusable configuration data. Secrets are **encrypted** and are used for sensitive data. [Learn more about encrypted secrets](#). Variables are shown as plain text and are used for **non-sensitive** data. [Learn more about variables](#).

Anyone with collaborator access to this repository can use these secrets and variables for actions. They are not passed to workflows that are triggered by a pull request from a fork.

Secrets Variables

Environment secrets

This environment has no secrets.

[Manage environment secrets](#)

Repository secrets

[New repository secret](#)

Name	Last updated
DOCKER_PASSWORD	last week
DOCKER_USERNAME	last week
PASSPHRASE	last week

05.Github Actions Secret, Repo secret

- Decryption json file

```
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

The screenshot displays the GitHub Actions interface for a workflow named 'multi-k8s' by user 'ErcanKurtoglu'. The workflow is a CI/CD pipeline that has successfully completed job #12, titled 'switched to deploy job #12'. The interface shows a summary of the run, including the jobs 'Build and Test' and 'Deploy to GKE', both of which passed. The total duration of the run was 3 minutes and 7 seconds. The workflow file, 'gke-deployment.yml', is shown to be triggered on a push event. The 'Annotations' section lists three warnings: two about the upcoming use of Ubuntu 24.04 by the latest pipelines and one about missing authentication for gcloud.

CI/CD Pipeline

switched to deploy job #12

Re-run all jobs

Summary

Jobs

- Build and Test
- Deploy to GKE

Run details

- Usage
- Workflow file

Triggered via push 2 weeks ago

Status: Success

Total duration: 3m 7s

Artifacts: -

gke-deployment.yml

on: push

Build and Test (55s) → Deploy to GKE (1m 57s)

Annotations

3 warnings

- Build and Test: ubuntu-latest pipelines will use ubuntu-24.04 soon. For more details, see <https://github.com/actions/runner-images/issues/10636>
- Deploy to GKE: ubuntu-latest pipelines will use ubuntu-24.04 soon. For more details, see <https://github.com/actions/runner-images/issues/10636>
- Deploy to GKE: No authentication found for gcloud, authenticate with 'google-github-actions/auth'.