

One-Click Kubernetes Deployment - Cheatsheet (with Diagram)

Workflow Overview

- Trigger via GitHub Actions with parameters.
- Terraform provisions/destroys infra.
- Kubernetes deploys Node.js, NGINX, k8sGPT.
- Security scans optional.

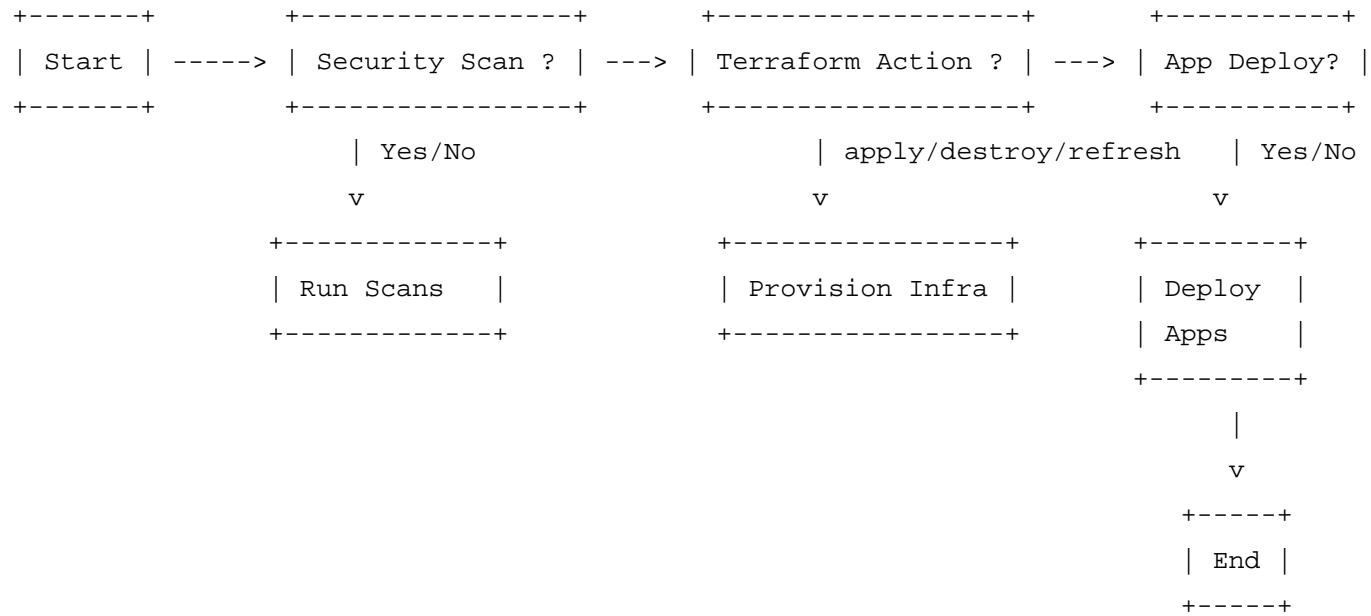
Key Parameters

- environment: dev/test
- action: apply/destroy/refresh
- provider: google/openai
- run_security_scan / run_terraform / run_application_deployment
- dry_run & confirm for deletions

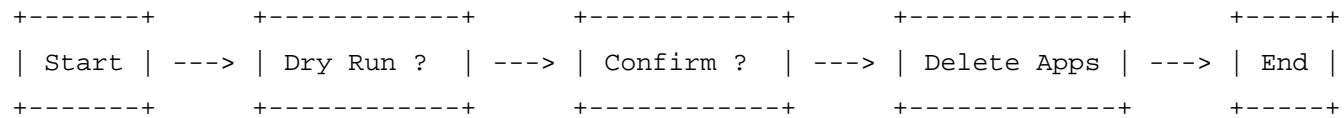
Safety Features

- Dry run + confirm required for deletions.
- Secrets in GitHub Secrets.
- RBAC enforced in cluster.
- Full audit logs.

Workflow Diagram



Deletion Workflow:



Stress Test Workflow

This workflow runs load/stress tests on applications deployed in Kubernetes.
Triggered via GitHub Actions with parameters for environment, duration, and target apps.

