

Hackathon Test

Applicant: Travix

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The full scope implement includes:

1. Management Account
 - Workload OU
 - Development Account
 - Staging Account
 - Production Account
 - Infra OU
 - Network Account
 - IAM Account
2. An internal CI/CD solution
 - Self-host Gitlab
 - Self-host Tekton CI/CD
 - AWS ECR
 - Self-host Sonarqueue
 - Self-host Selenium.,etc

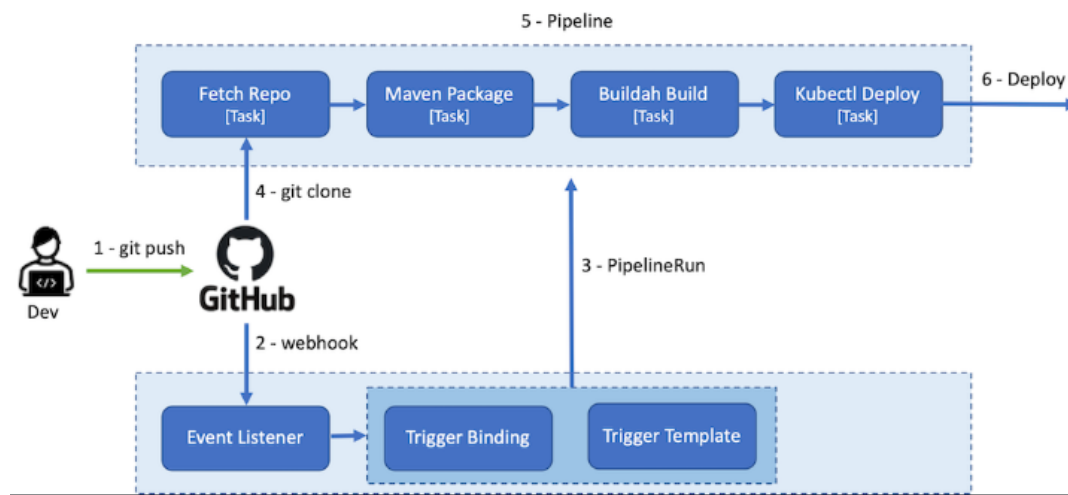


Figure 1. Tekton diagram

3. Security Things:

- Access based VPN/ SSO session
- SOC2 scan system 24/7 (Crowstrike)
- Attached SIEM Dashboard
- IDS/IPS solution for analysis network traffic in packet level in detail
- Enable AWS WAF | Enable F5 WAF (advanced filtered / DAST scan)

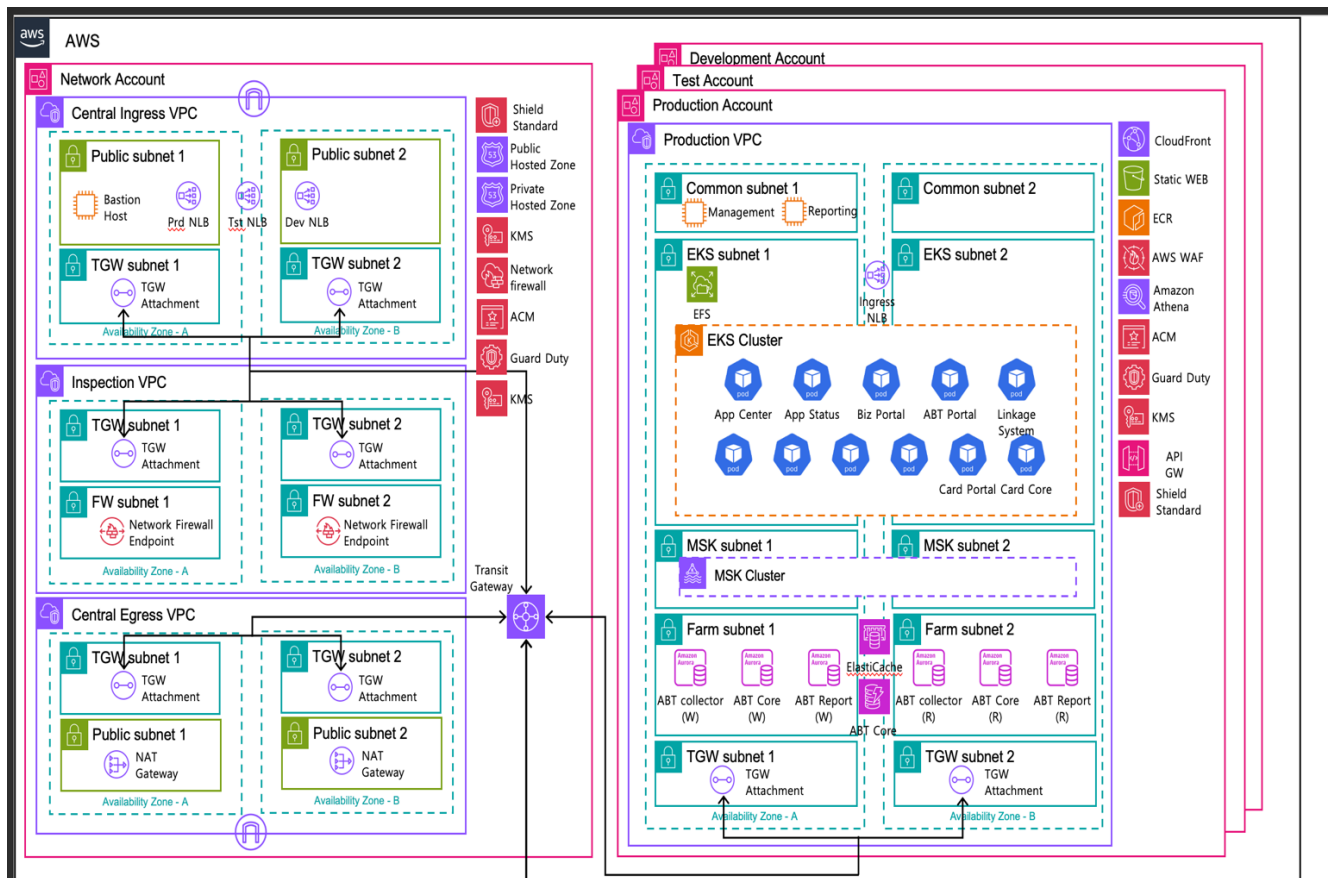


Figure 2. High level architect

The minor version will be deployed in **minikube**. Include:

1. Setup.sh
 - a. Install docker
 - b. Install minikube
 - c. Install tekton CI/CD
2. Build.sh >>> convert to config.yaml and running in CI
 - a. Build
 - b. push
3. Deployment.sh >>> convert to config.yaml and running in CD
 - a. Pull

- b. Deploy
4. Roll-back.sh
 - a. Listen /health port and process
5. Event listen

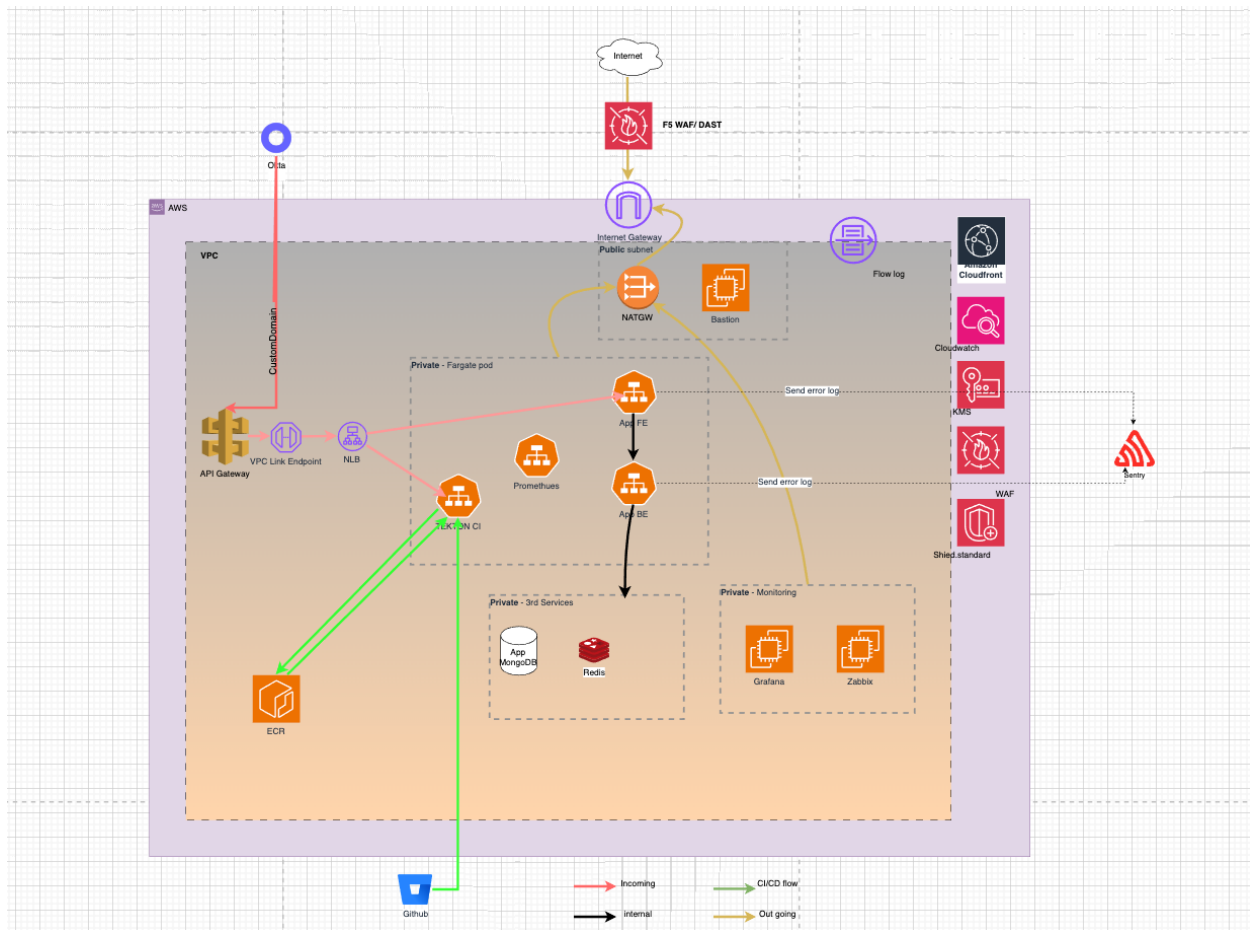


Figure 3. Implement Design – hackathon project

This implement run in minikube in local. It Would not include:

- Terrafrom script
- Sentry lib implement in detail

- Grafana/prometheus will be based on bitnami 47.0.7
 - CRD default config
 - Do not include integrate SLACK and default Alert (example notify all event #200 error code)