Demyanenko Pavel

GH with project: https://github.com/circletes/address-book
GH with presentation: https://github.com/circletes/Presentation
GH with Helm-Charts: https://github.com/circletes/helm/tree/dev

AGENDA

AGENDA

- Used tools
- Infrastructure
- Steps
- Result

Used tools

HashiCorp Terraform

docker

git

kubernetes

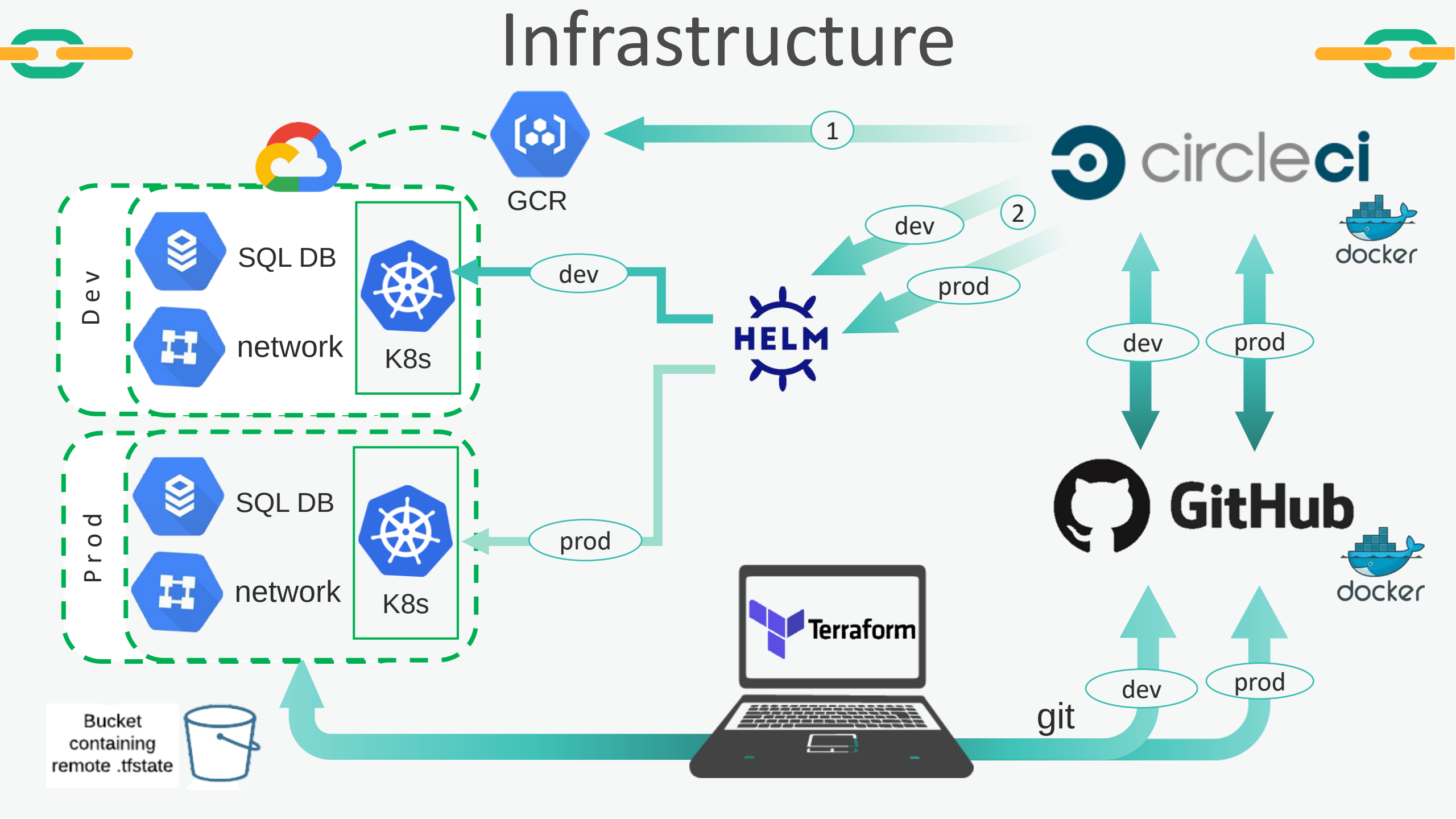
Google Cloud Platform

GitHub

circleci

HELM

Infrastructure



G I t h u b

- Chose a suitable project "Address Book"
- Created two branches for different environments
- Created a separate repositories for Helm-Chart

Helm–Chart

- Creating charts for kubernetes (deployment, service, ingress, configmap)
- Optimized charts for two environments

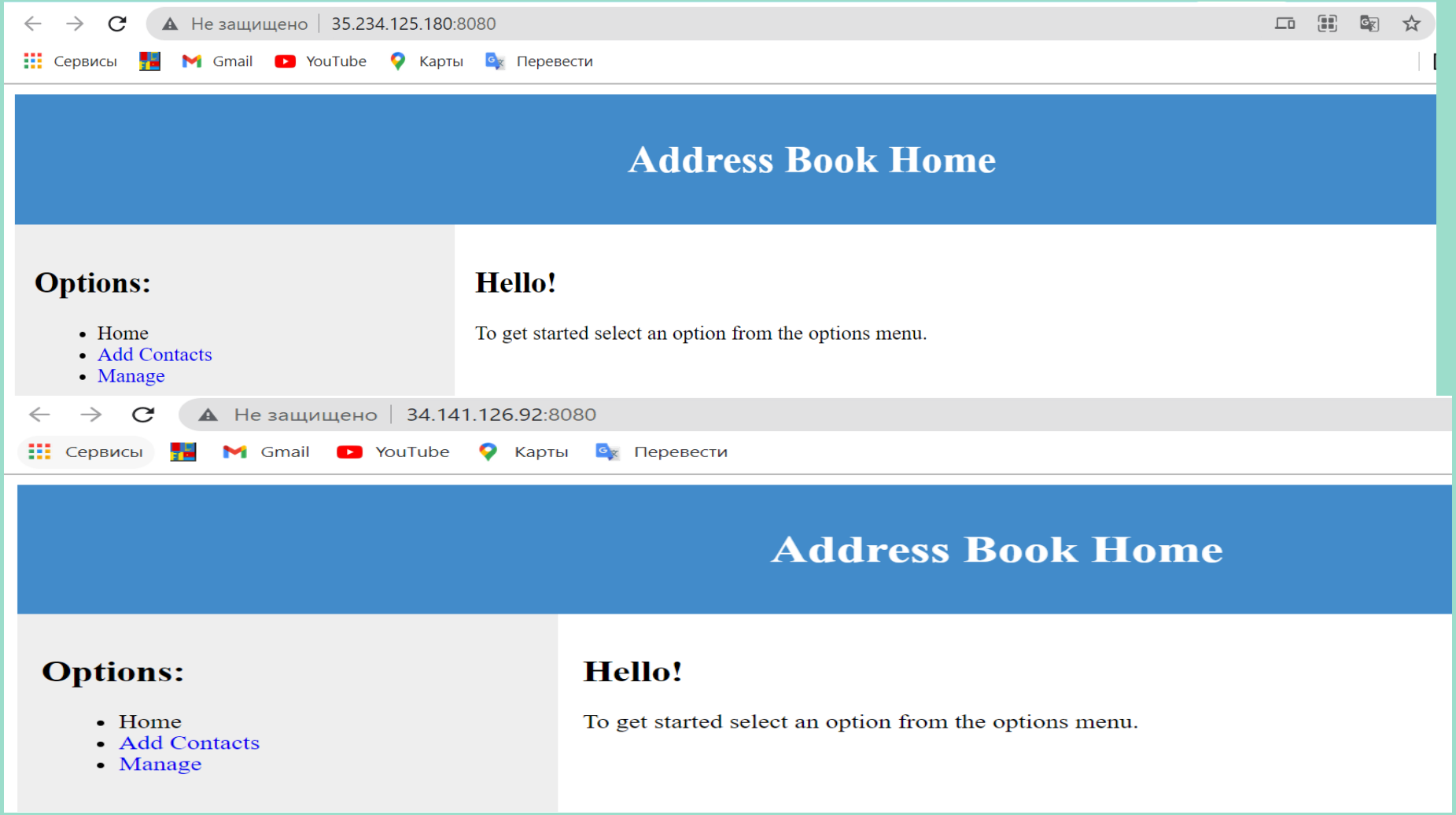
Terraform

- Creating all necessary resources for a project deployment
- Creating zero image and add sensitive data in k8s cluster
- Creating two environments
- Using remote state for all environments

CIrcleCI

- Creating 2 jobs for build and push image
- Changed config.yml for different environments

Result


Не защищено | 35.234.125.180:8080
Сервисы
Gmail
YouTube
Карты
Перевести
Address Book Home
Options:
Home
Add Contacts
Manage
Hello!
To get started select an option from the options menu.
Не защищено | 34.141.126.92:8080
Сервисы
Gmail
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Карты
Перевести
Address Book Home
Options:
Home
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You have any questions?

THE END