



Kargoの魅力について伝える。

Lightning Talk: Progressive Infrastructure Delivery Using Kargo and Argo CD - Engin Diri, Pulumu

URL: https://www.youtube.com/watch?v=noQqZ35vxIs&list=PLj6h78yzYM2Ow7Jy0paxwriemeuFGONU_7&index=13

2024/10/12. Masato Matsudo Batton inc VPOE





マツド マサト



Kargo ??



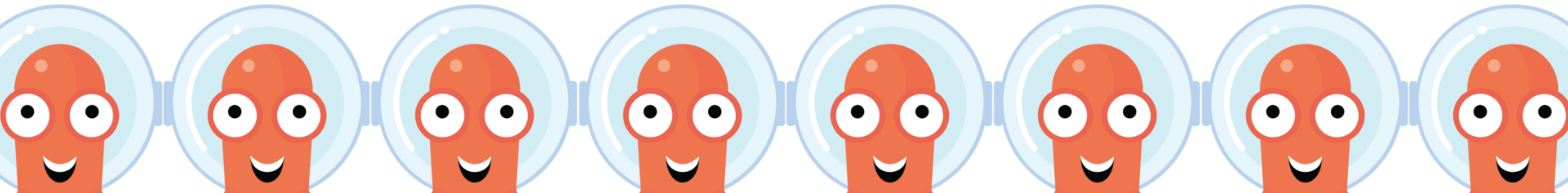
The screenshot displays the Kargo web interface for a project named "kargo-guestbook". The interface is divided into several sections:

- FREIGHTLINE:** A horizontal list of git repositories, each with a unique ID and a version number. The versions range from v0.0.19 to v0.0.12, with some highlighted in different colors (red, orange, green, blue, purple).
- PIPELINE:** A diagram showing the deployment flow. It starts with an "Image" and "Git" source, leading to a "dev" environment (CURRENT FREIGHT: 6ddc6f3), then to a "staging" environment (CURRENT FREIGHT: afa2598). From "staging", the flow branches into two "canary" environments: "canary-a" (CURRENT FREIGHT: b4f9a1b) and "canary-b" (CURRENT FREIGHT: 3cbd5ed). Both canary environments lead to a "prod-us" environment (CURRENT FREIGHT: N/A), which then branches into three production environments: "prod-usel" (CURRENT FREIGHT: 67d09f9), "prod-usw1" (CURRENT FREIGHT: 67d09f9), and "prod-usw2" (CURRENT FREIGHT: 67d09f9).
- IMAGES:** A section with a search bar containing "guestbook" and a grid of version selections. The grid shows various versions (v0.0.17, v0.0.15, v0.0.14, v0.0.13, v0.0.12) with colored squares indicating their status or selection.

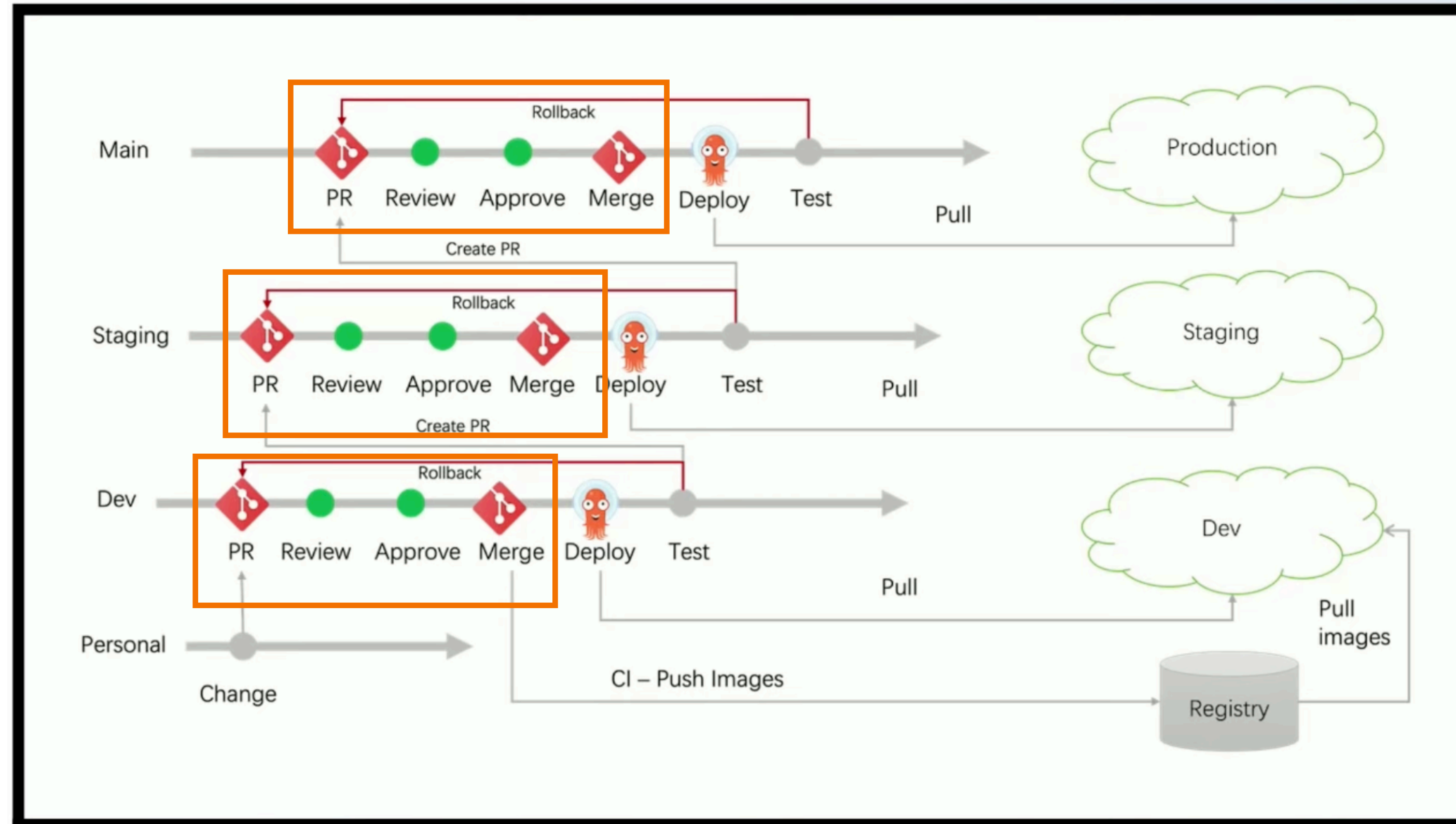
環境間のCDをさらにOptimizationするOSS



Jesse Suen

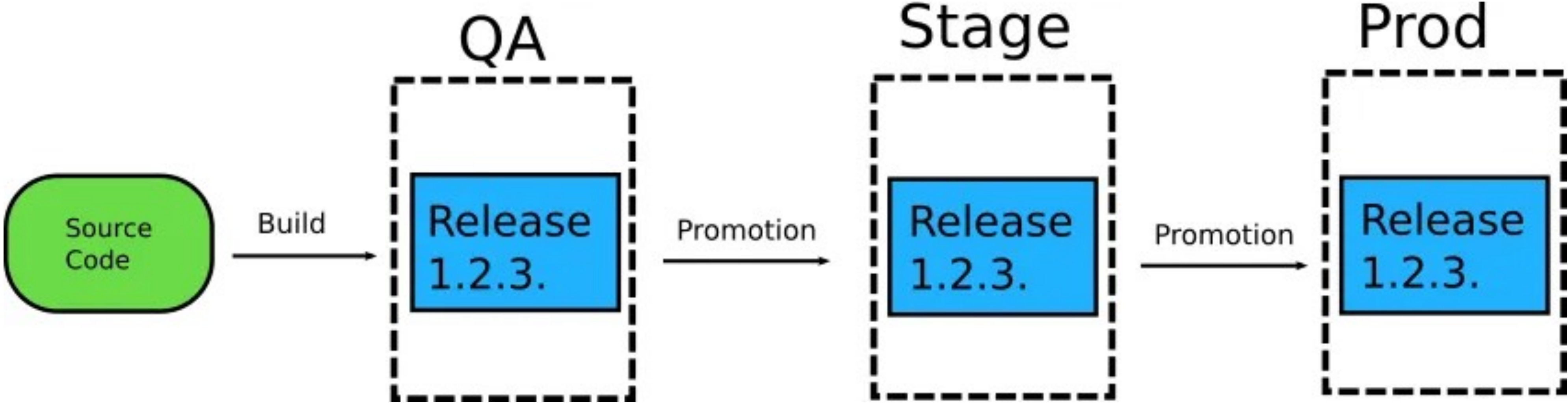


Today Using ArgoCD Each Environment is CI Kung Fu! 🥳



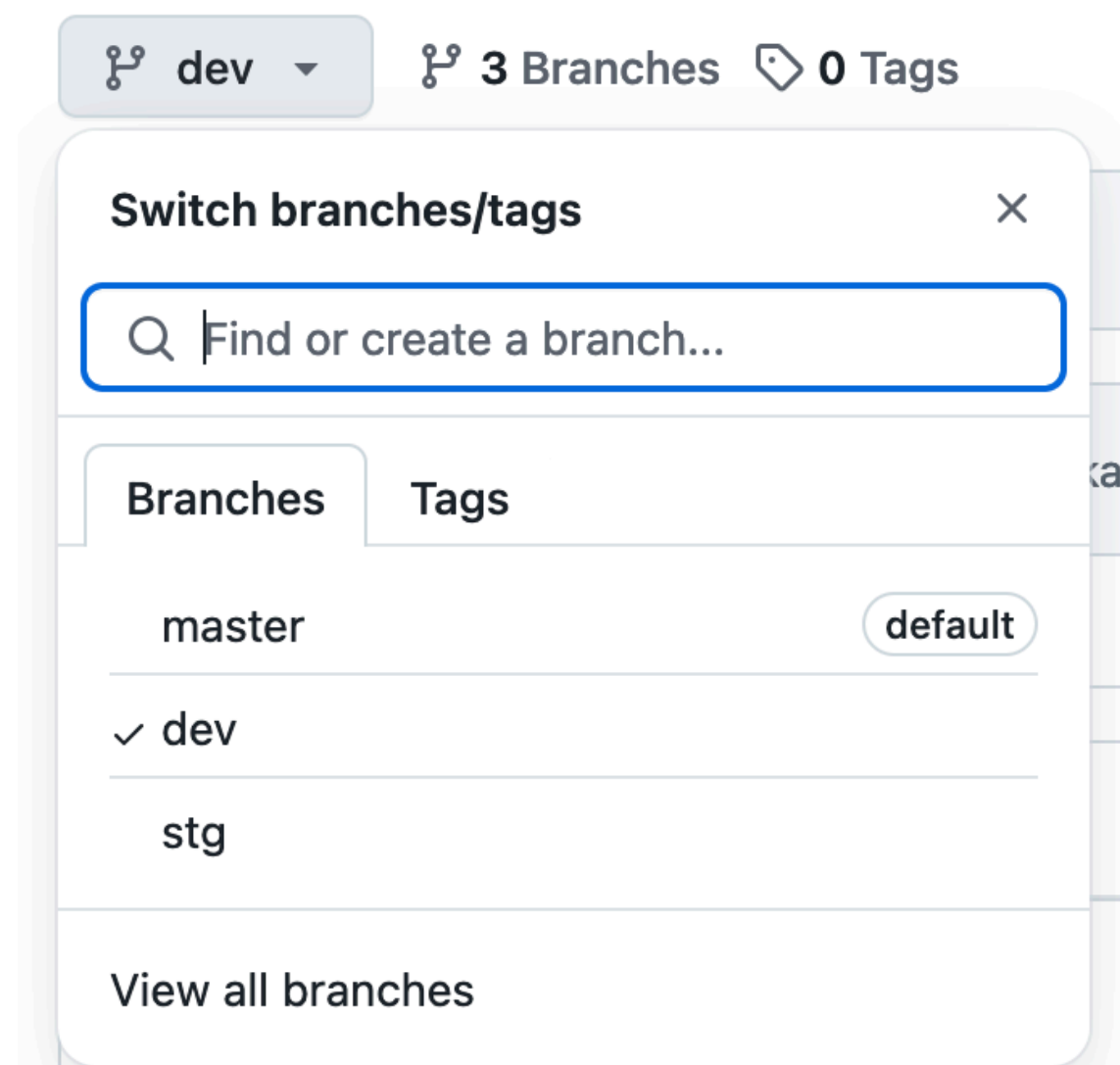
ArgoCon
NORTH AMERICA

Promotion Pattern



(下記より参照)

<https://medium.com/containers-101/how-to-model-your-gitops-environments-and-promote-releases-between-them-ff40fd3008>



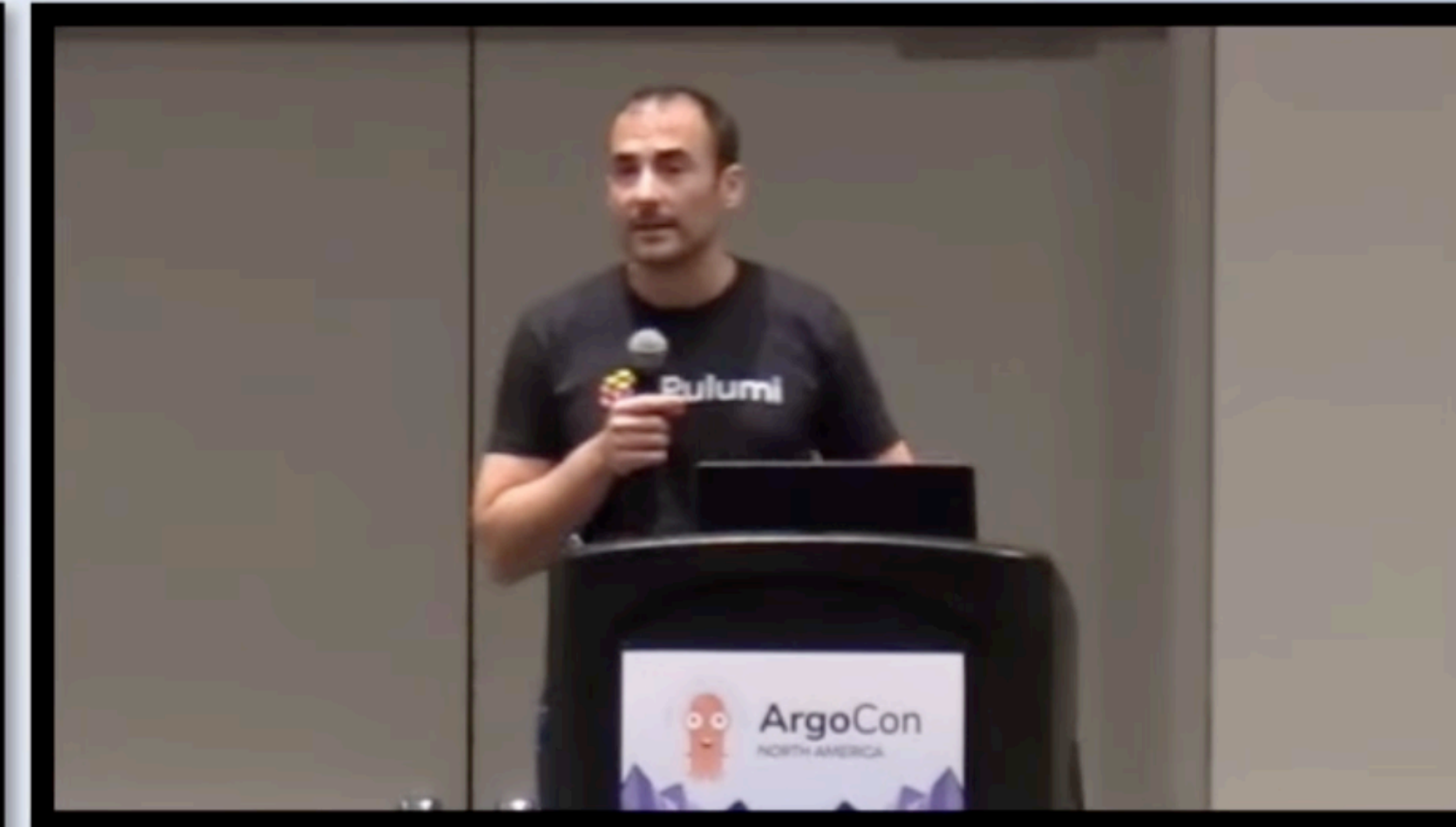
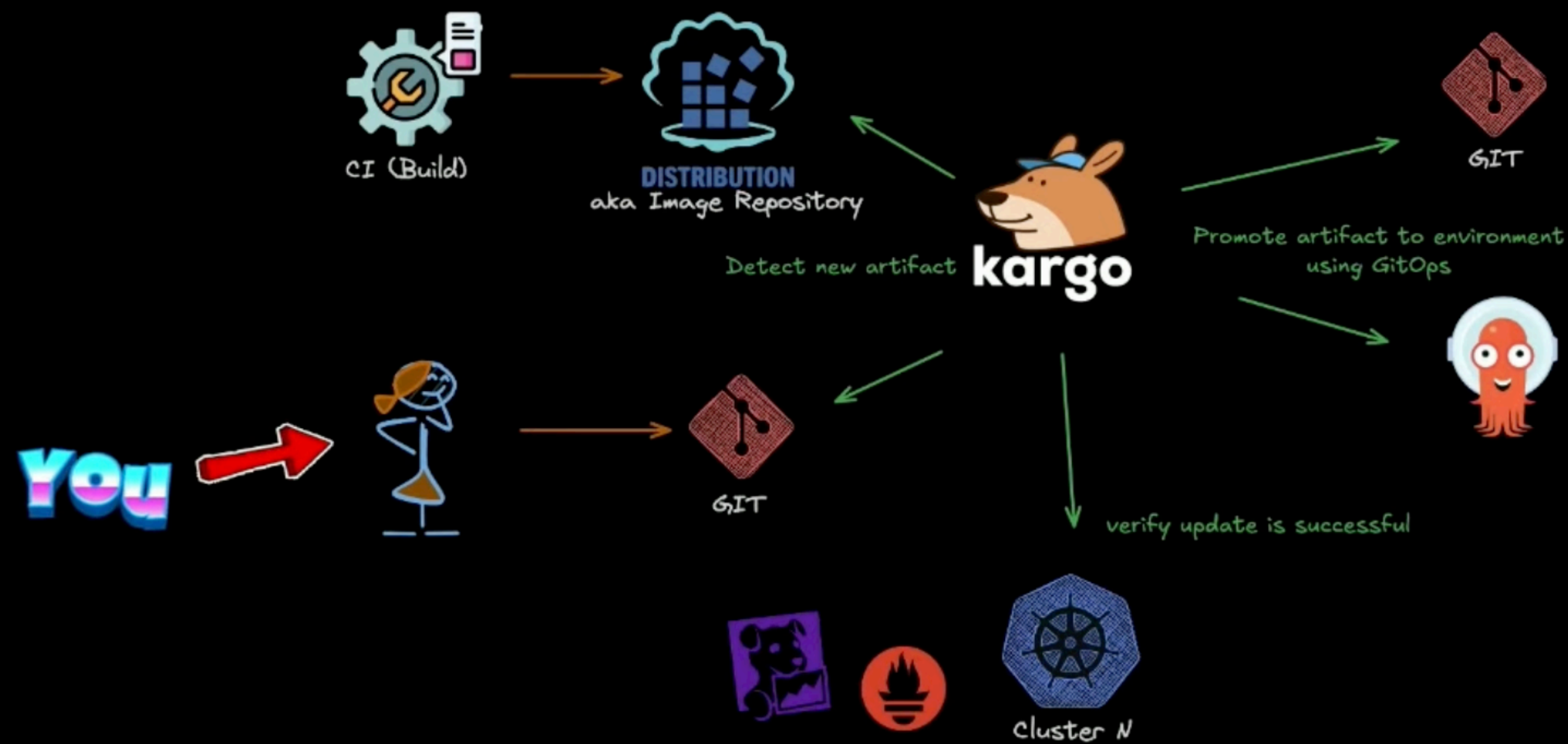
Name
..
prod
test
uat

1. 各branchごとに各環境を管理する方法
2. 各フォルダごとに各環境を管理する方法

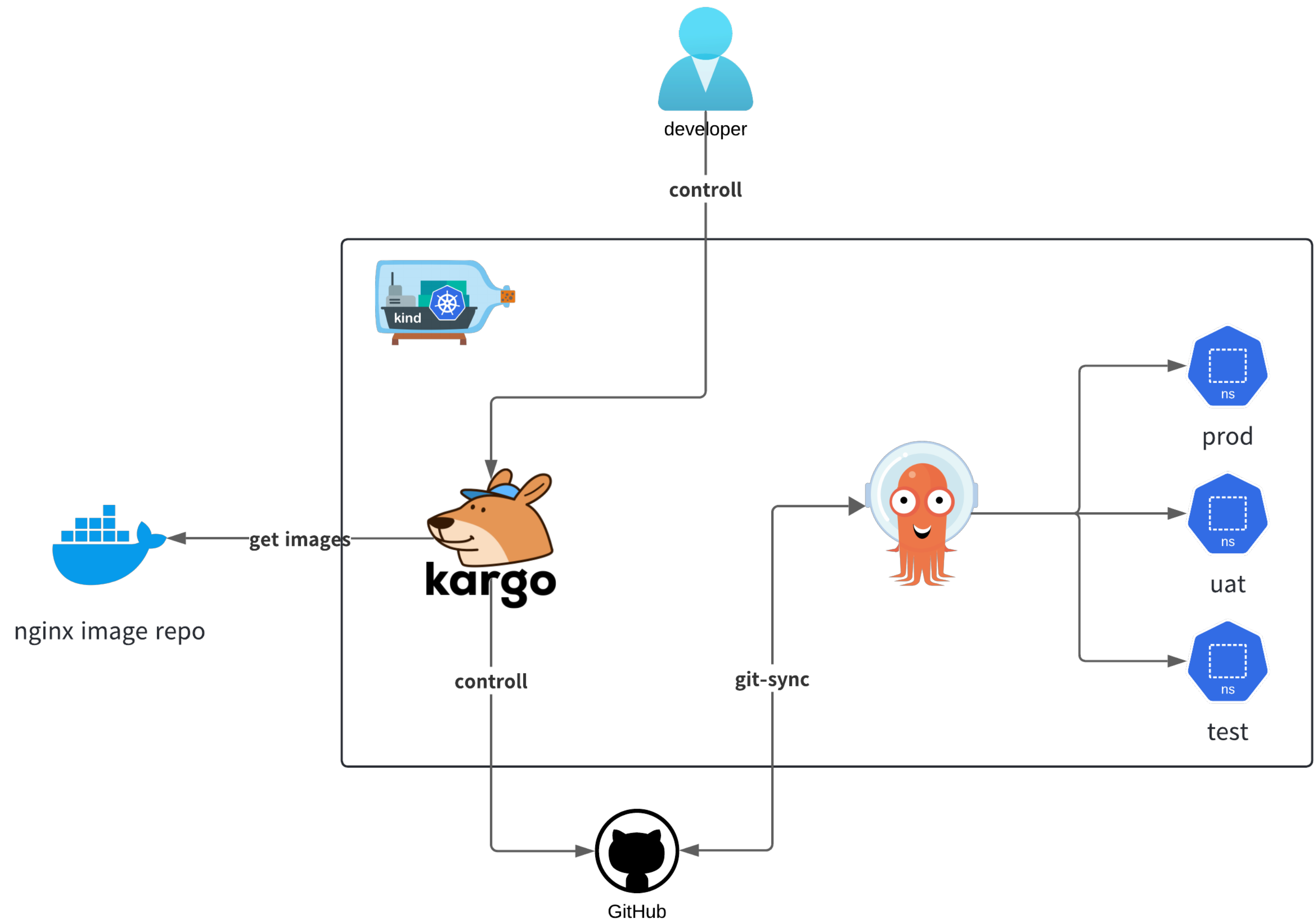
← Optimization



KargoがArtifactからサーバーへDeployコントロールをしてくれる



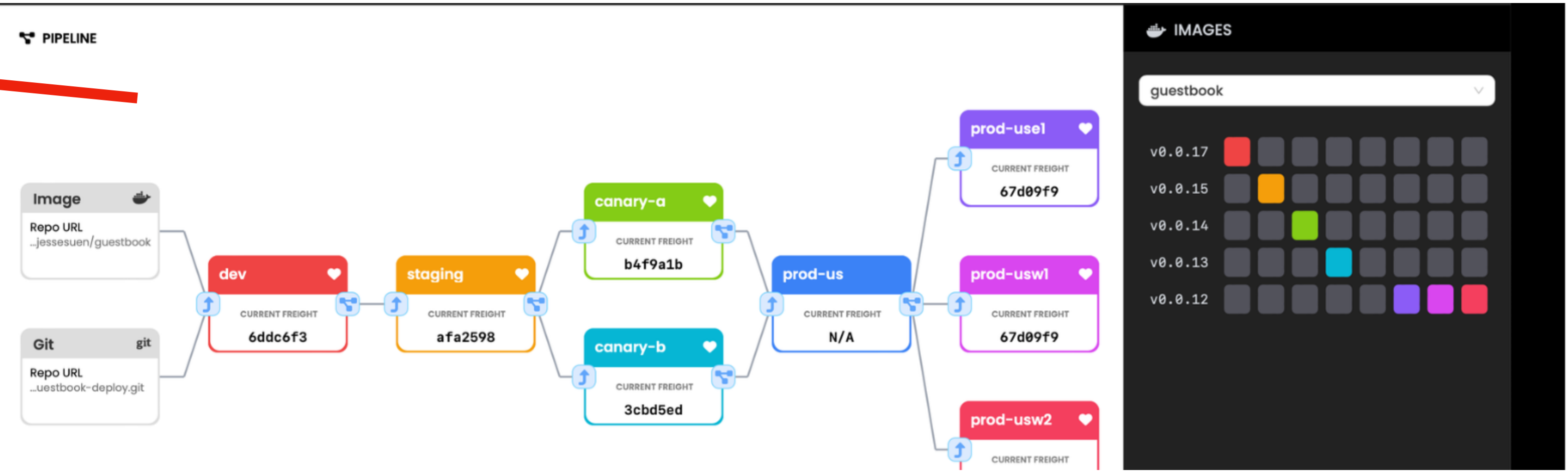
DEMO.



↓ Demo URL

<https://cfp-matsudo.s3.ap-northeast-1.amazonaws.com/kubernetes-meet-up-tokyo/2024-11-Kubernetes-Meetup-Tokyo-KubeCon-NA-2024-Recap/kargo-demo.mp4>

```
apiVersion: kargo.akuity.io/v1alpha1
kind: Stage
metadata:
  name: uat
  namespace: kargo-demo
spec:
  requestedFreight:
  - origin:
    kind: Warehouse
    name: kargo-demo
  sources:
    stages:
    - test
  promotionTemplate:
  spec:
    steps:
    - uses: git-clone
      config:
        repoURL: https://github.com/magisystem0408/kargo-demo
        checkout:
        - branch: main
          path: ./src
        - branch: stage/uat
          create: true
          path: ./out
    - uses: git-clear
      config:
        path: ./out
    - uses: kustomize-set-image
      as: update-image
      config:
        path: ./src/base
        images:
        - image: public.ecr.aws/nginx/nginx
    - uses: kustomize-build
      config:
        path: ./src/stages/uat
        outputPath: ./out/manifests.yaml
    - uses: git-commit
      as: commit
      config:
        path: ./out
        messageFromSteps:
        - update-image
    - uses: git-push
      config:
        path: ./out
        targetBranch: stage/uat
    - uses: argocd-update
      config:
        apps:
        - name: kargo-demo-uat
          sources:
          - repoURL: https://github.com/magisystem0408/kargo-demo
            desiredCommitFromStep: commit
```



limits.

Built-in Steps

This section describes the promotion steps that are built directly into Kargo. Steps are presented roughly in the order in which they might appear in a typical promotion process. Similarly, configuration options for each step are laid out in order of their applicability to typical use cases.

INFO
Promotion steps support the use of `expr-lang` expressions in their configuration. Many examples in this reference document will include expressions to demonstrate their use. For more information on expressions, refer to our [Expression Language Reference](#).

git-clone

`git-clone` is often the first step in a promotion process. It creates a **bare clone** of a remote Git repository, then checks out one or more branches, tags, or commits to working trees at specified paths. Checking out different revisions to different paths is useful for the common scenarios of combining content from multiple sources or rendering Stage-specific manifests to a Stage-specific branch.

NOTE
It is a noteworthy limitation of Git that one branch cannot be checked out in multiple working trees.

git-clone Configuration

受発注業務特化のAI OCR

受発注バスターズ

FAX・PDF・紙をデータ化&自動フォーマット

受発注やデータ入力を
AIで自動化して業務削減

工数93%削減

アップロードするだけ
手入力が不要に

最新AI搭載

フォーマット整理や
マスタ紐付けを自動化

カンタン導入

業務フローの変更不要



フォーマットがバラバラでもOK!

	A	B	C	D	E	F
1	会社名	会社番号	商品名	商品コード	数量	納品日
2	株式会社AAA	1222	りんご	AB-1111	1	2023/04/05
3	株式会社AAA	1222	みかん	AC-1111	2	2023/04/05
4	株式会社AAA	1222	さくらんぼ	AC-2222	3	2023/04/05
		1333	りんご	AB-1111	1	2023/04/05
		1333	さくらんぼ	AC-2222	2	2023/04/05
		1333	ぶどう	AD-3333	6	2023/04/05
		1444	ぶどう	AD-3333	1	2023/04/12
		1444	りんご	AB-1111	2	2023/04/12
		1444	さくらんぼ	AC-2222	3	2023/04/12
		1444	ぶどう	AD-3333	4	2023/04/20
		1444	りんご	AB-1111	2	2023/04/20
		144	さくらんぼ	AC-2222	3	2023/04/20
		222	りんご	AB-1111	1	2023/04/20
		1222	みかん	AC-1111	2	2023/04/20



読み取りテスト >

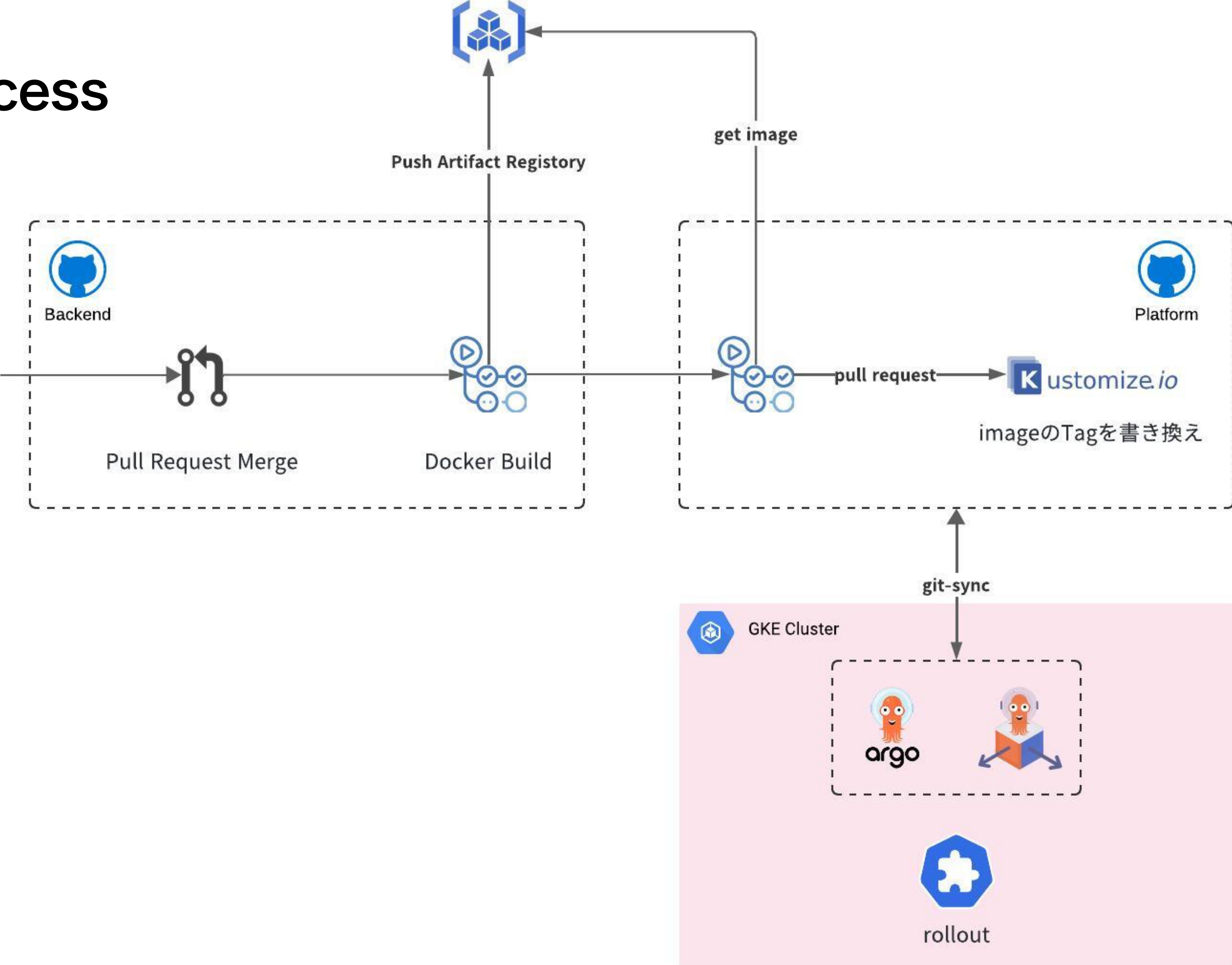


資料請求 >

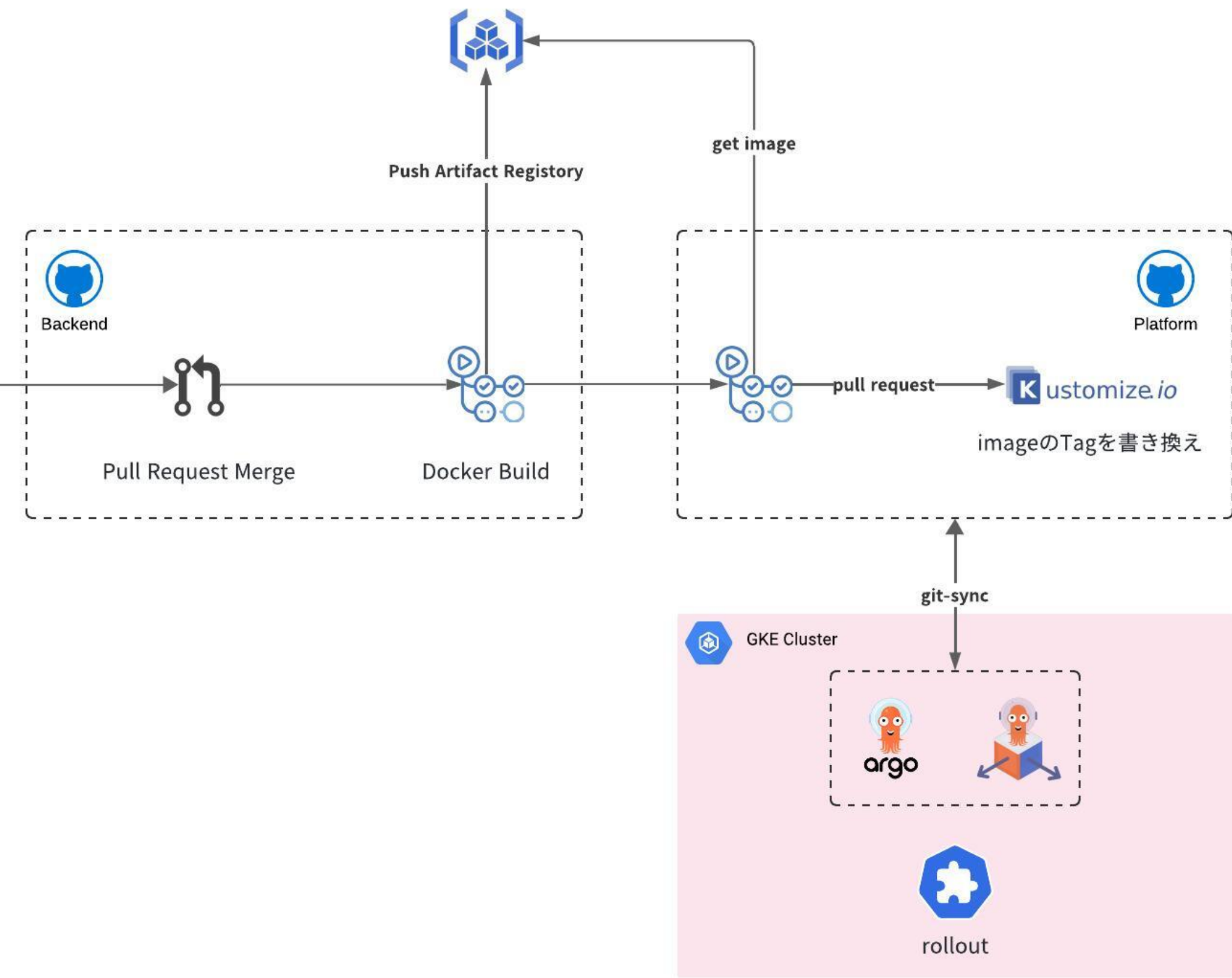


お問い合わせ・ご相談 >

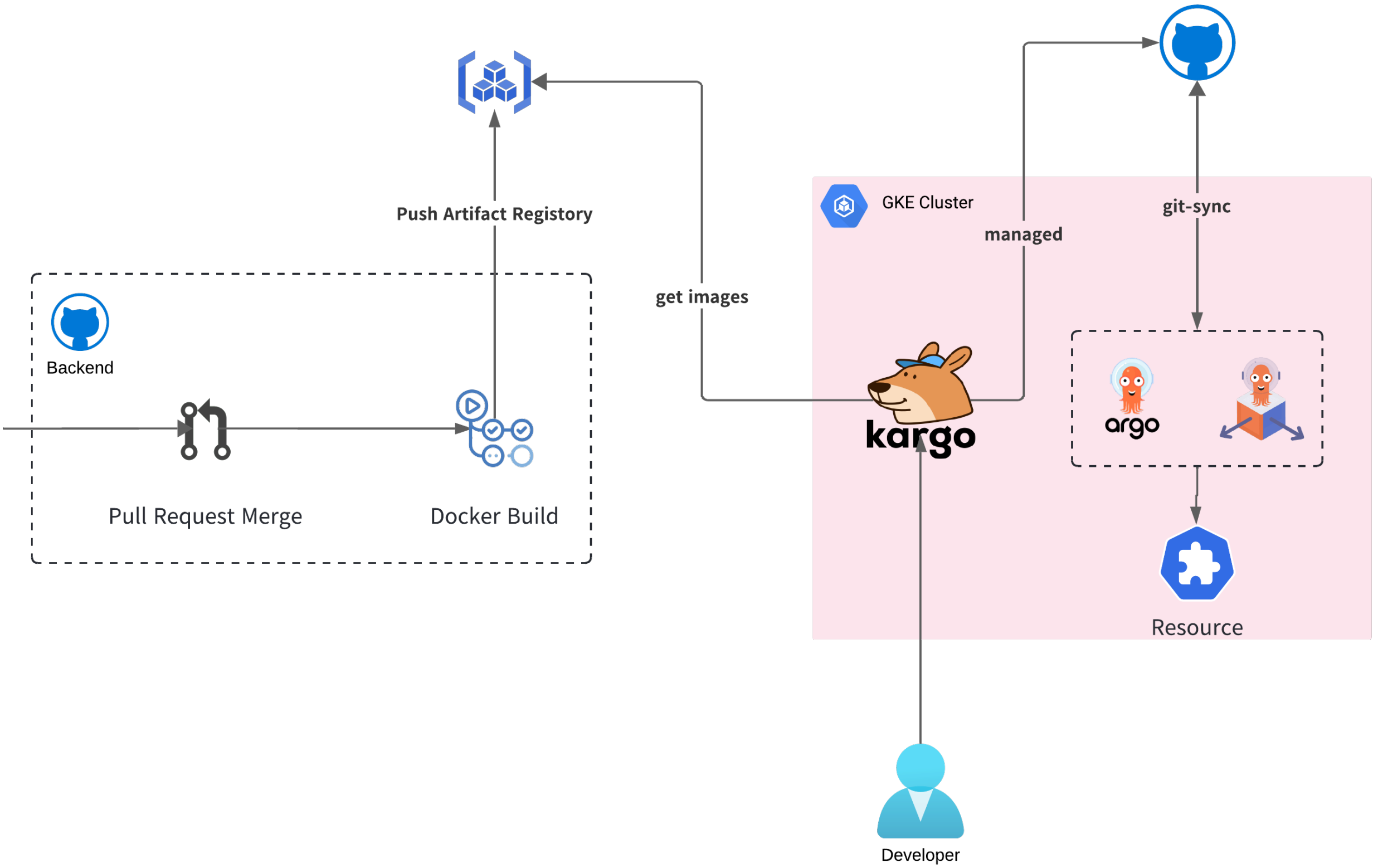
Release Process



before



after



CIとCDの分離

⚠ Image Repositoryを共通にする必要がある。

⚠ マルチクラスターにはまだ対応してなさそう。

Thanks you.

The screenshot shows a GitHub pull request interface. At the top, the repository is identified as 'akuity / kargo'. The pull request title is 'chore(backport release-1.1): docs: fix typo ecr to gar #3032'. It is marked as 'Merged' and shows that 'hiddeco' merged 1 commit into 'release-1.1' from 'backport-3029-to-release-1.1' last week. The interface includes navigation tabs for 'Code', 'Issues (124)', 'Pull requests (20)', 'Discussions', 'Actions', 'Security', and 'Insights'. Below the title, there are tabs for 'Conversation (1)', 'Commits (1)', 'Checks (18)', and 'Files changed (1)'. The main content area shows a list of activity: 'akuitybot commented last week' with an automated backport message; 'akuitybot added area/documentation and priority/normal labels last week'; 'akuitybot requested review from a team as code owners last week'; 'akuitybot mentioned this pull request last week' with the title 'docs: fix typo ecr to gar #3029' and a 'Merged' badge; 'hiddeco added this to the v1.1.0 milestone last week'; 'hiddeco approved these changes last week' with a 'View reviewed changes' link; and 'hiddeco enabled auto-merge (squash) last week'. On the right side, there are sections for 'Reviewers' (hiddeco), 'Assignees' (No one assigned), 'Labels' (area/documentation, priority/normal), 'Projects' (None yet), 'Milestone' (v1.1.0), 'Development' (Successfully merged these issues), and 'Notifications'. A red clock icon is visible in the bottom right corner.