

# Platform Engineering in Action

Vamos a simplificar la vida de nuestros equipos de desarrollo con una reducción drástica del tiempo de OnBoarding de una nueva aplicación.



PRESENTER

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CLOUD NATIVE  
MALLORCA

# ¿ Como empezamos ?



Pain Points



KPIs

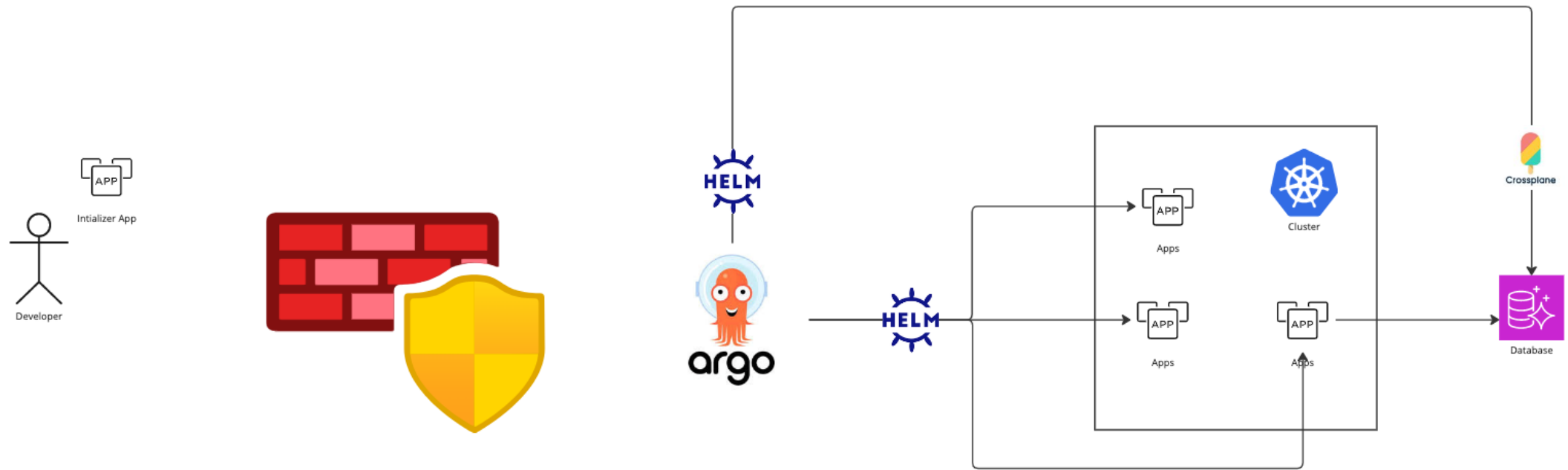


User/Dev Experience



Monitorización

# Nuestro Use Case



# Backstage

## Create a new component

Create new software components using standard templates in your organization

### Onboarding Demo App

This template is used to onboard a Demo App

1 — 2 — 3

1 Demo App Onboarding 2 Application SCM location 3 Review

Application Name\*

**demo-test-app**

Application Name to publish.

Domain\*

Java Demo APP

Type of App

Aurora postgresql Database

No Database

BACK NEXT

- Backstage Software Catalog
- Backstage Software Templates
- TechDocs Documentation

cncf / entre\_bastidores / backstage / template.yaml

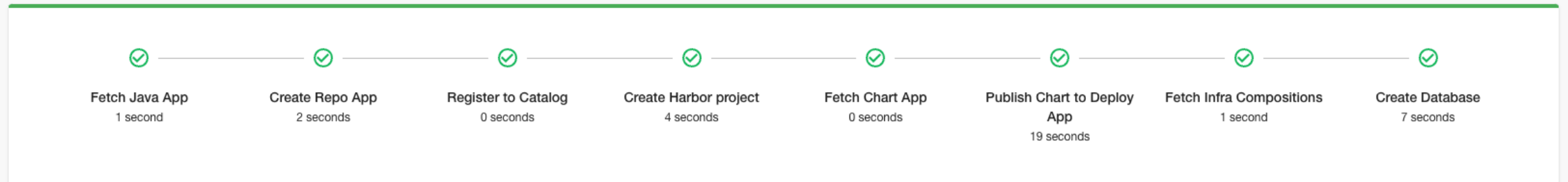
peresureda Backstage Template Talk Example

Code Blame 173 lines (164 loc) · 4.75 KB Code 55% faster with GitHub Copilot

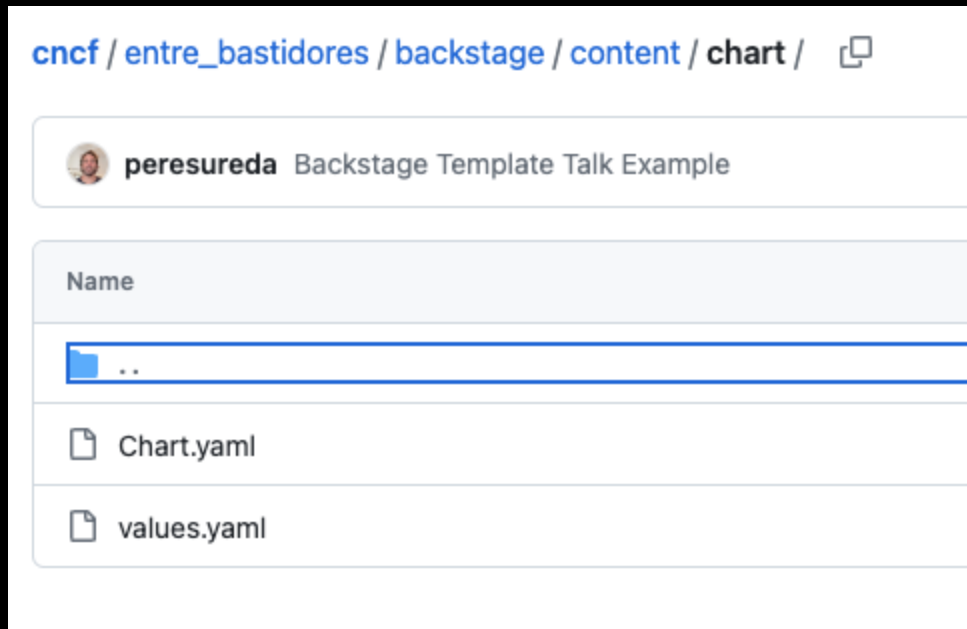
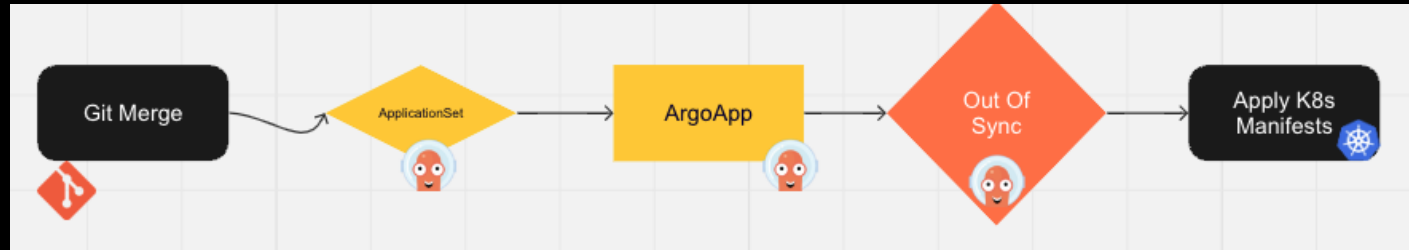
```
1 apiVersion: scaffolder.backstage.io/v1beta3
2 kind: Template
3 metadata:
4   name: onboarding-demo-app
5   title: Onboarding Demo App
6   description: This template is used to onboard a Demo App
7   annotations:
8     backstage.io/techdocs-ref: dir:.
9   tags:
10    - onboarding
11    - platform-engineering
12 spec:
13   # El owner debe existir en Backstage
14   owner: team-platform-engineering
15   type: service
16   lifecycle: experimental
17   parameters:
18     - title: 🚀 Demo App Onboarding
```

## Run of onboarding-demo-app

Task 7b353385-43e6-43f5-9b41-9592cf12a49b



# App Deployment



- Helm Chart Template
- Jenkinsfile
- Renovate/Semantic Release

# Crossplane

```
cncf / entre_bastidores / backstage / content / postgresql / postgresql.yaml
```

peresureda Backstage Template Talk Example

Code Blame 26 lines (26 loc) · 781 Bytes Code 55% faster with GitHub Copilot

```
1  apiVersion: rds.aws.upbound.io/v1beta1
2  kind: Cluster
3  metadata:
4    annotations:
5      meta.upbound.io/example-id: rds/v1beta1/cluster
6      name: '${ values.app }'
7  spec:
8    forProvider:
9      autoGeneratePassword: true
10     dbClusterParameterGroupNameSelector:
11       matchLabels:
12         testing.upbound.io/example-name: example-ci-cluster
13     dbInstanceParameterGroupNameSelector:
14       matchLabels:
15         testing.upbound.io/example-name: example-ci-cluster-instance
16     engine: aurora-postgresql
```



- Crossplane Providers
- Compositions
- Managed Resources

# Gràcies!!!

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