

Otoroshi

Daikoku



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Otoroshi

Faire communiquer un ensemble de micro-services potentiellement hétérogènes de manière homogène, sécurisée et maîtrisée.



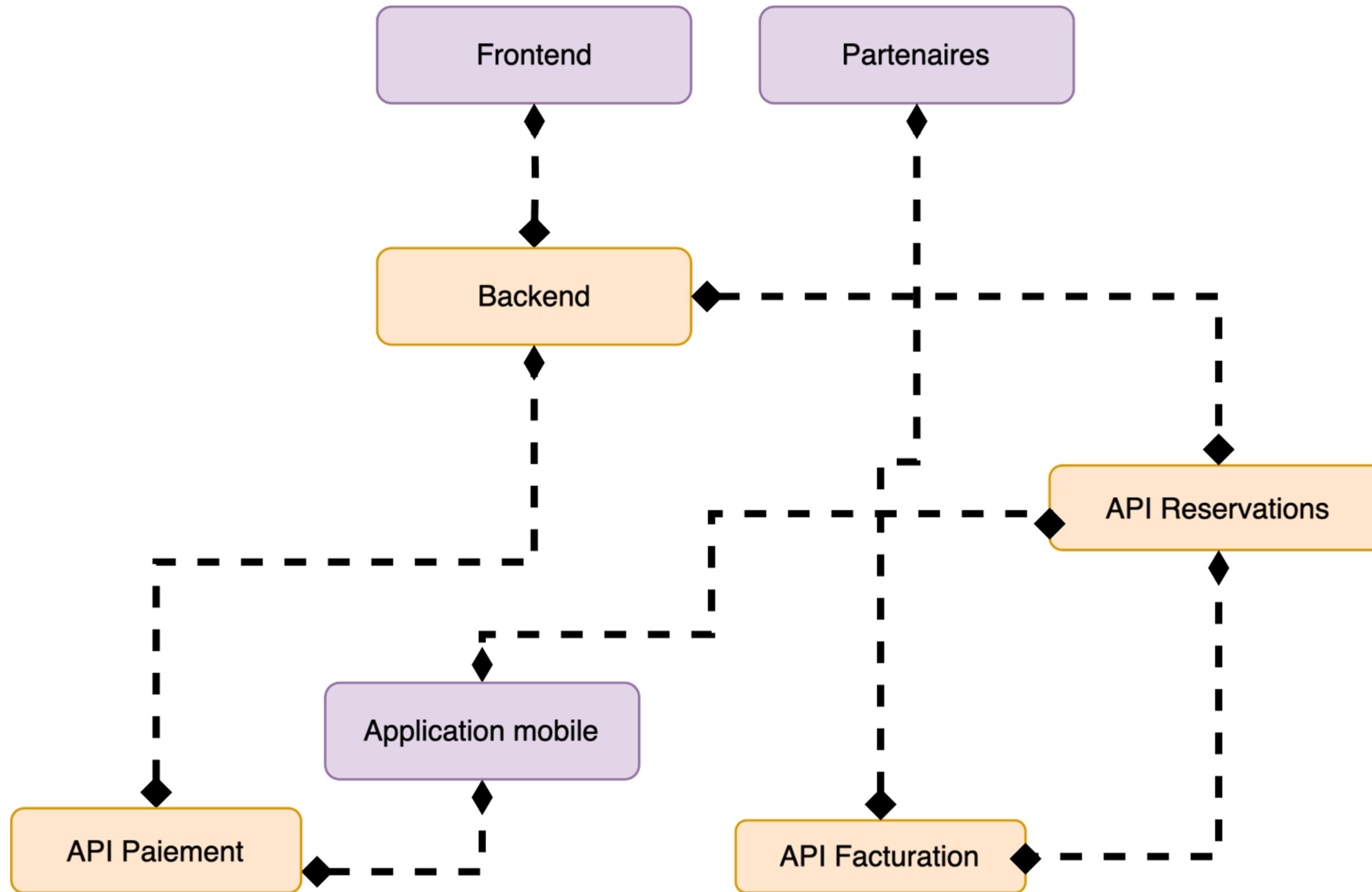
2017

Naissance
du produit

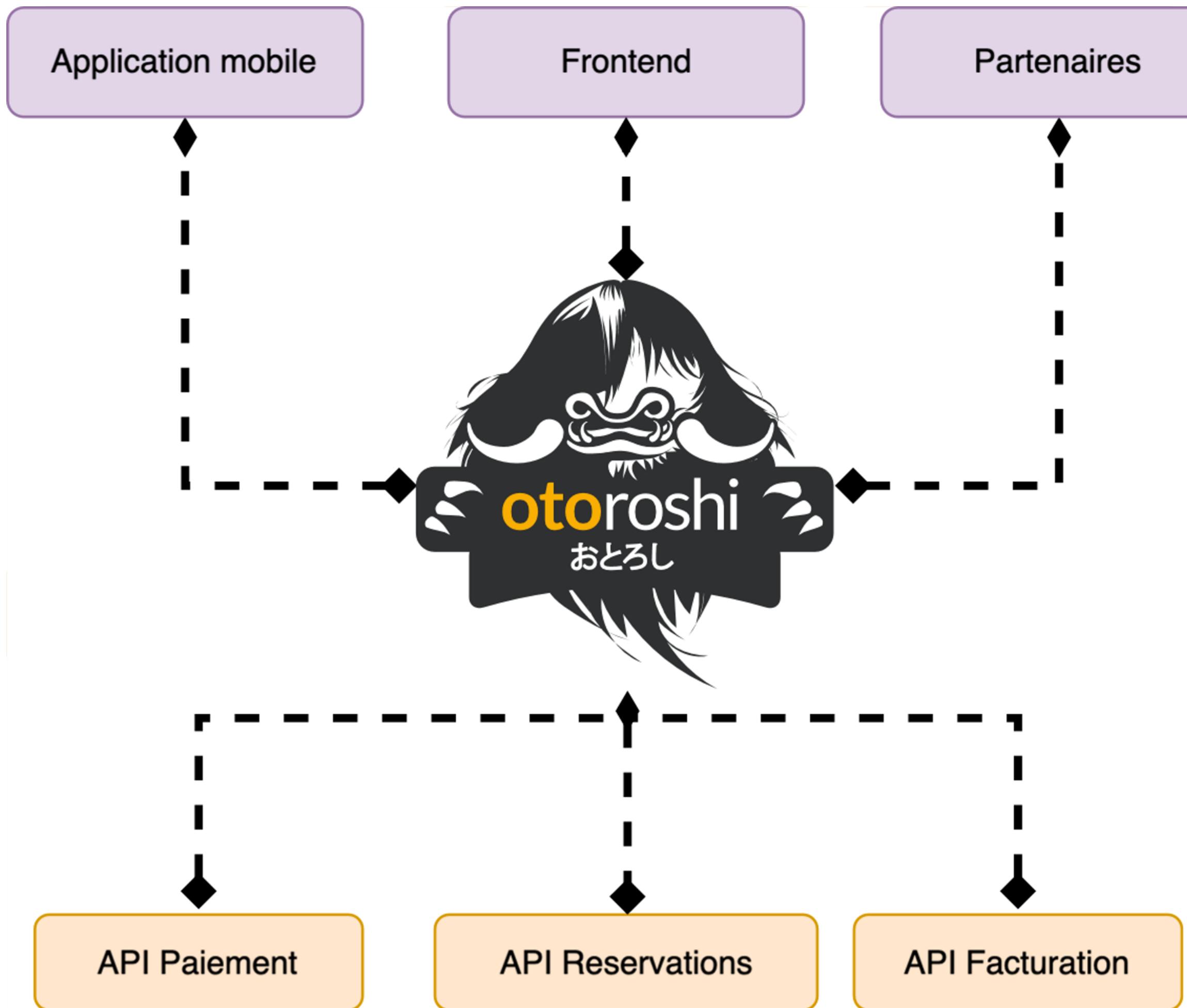
2018

Open source
Sous
licence Apache2

Ecosystème sans API Management



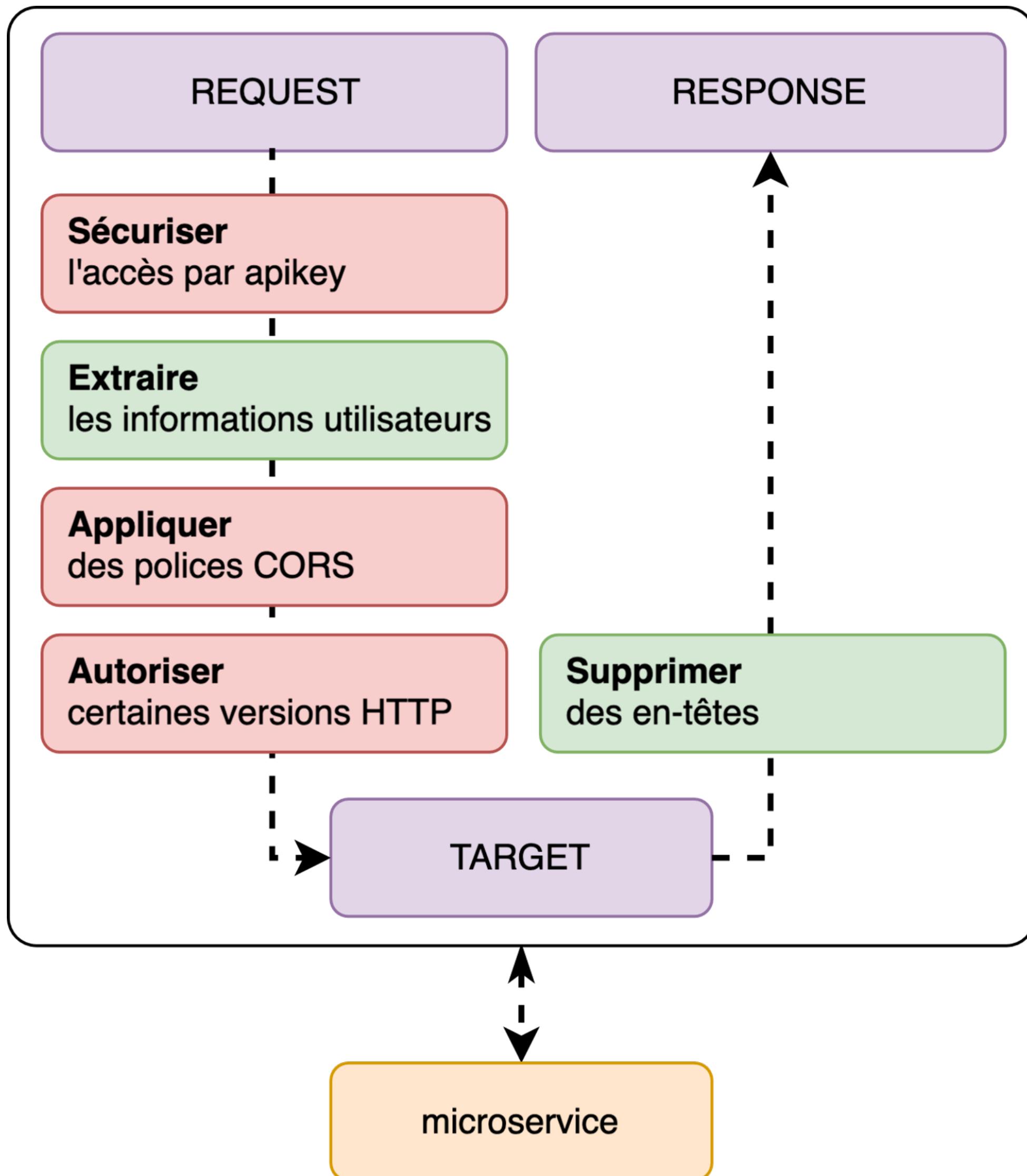
Ecosystème avec Otoroshi



Sécurité

Identity and Access Management
API keys
Delegate Authentication
HTTPS & mTLS

Contrôler les requêtes / réponses



+160
plugins

Daikoku

Faciliter et gérer l'accès aux APIs exposées
par Otoroshi dans une interface orientée métier (développeur/business).



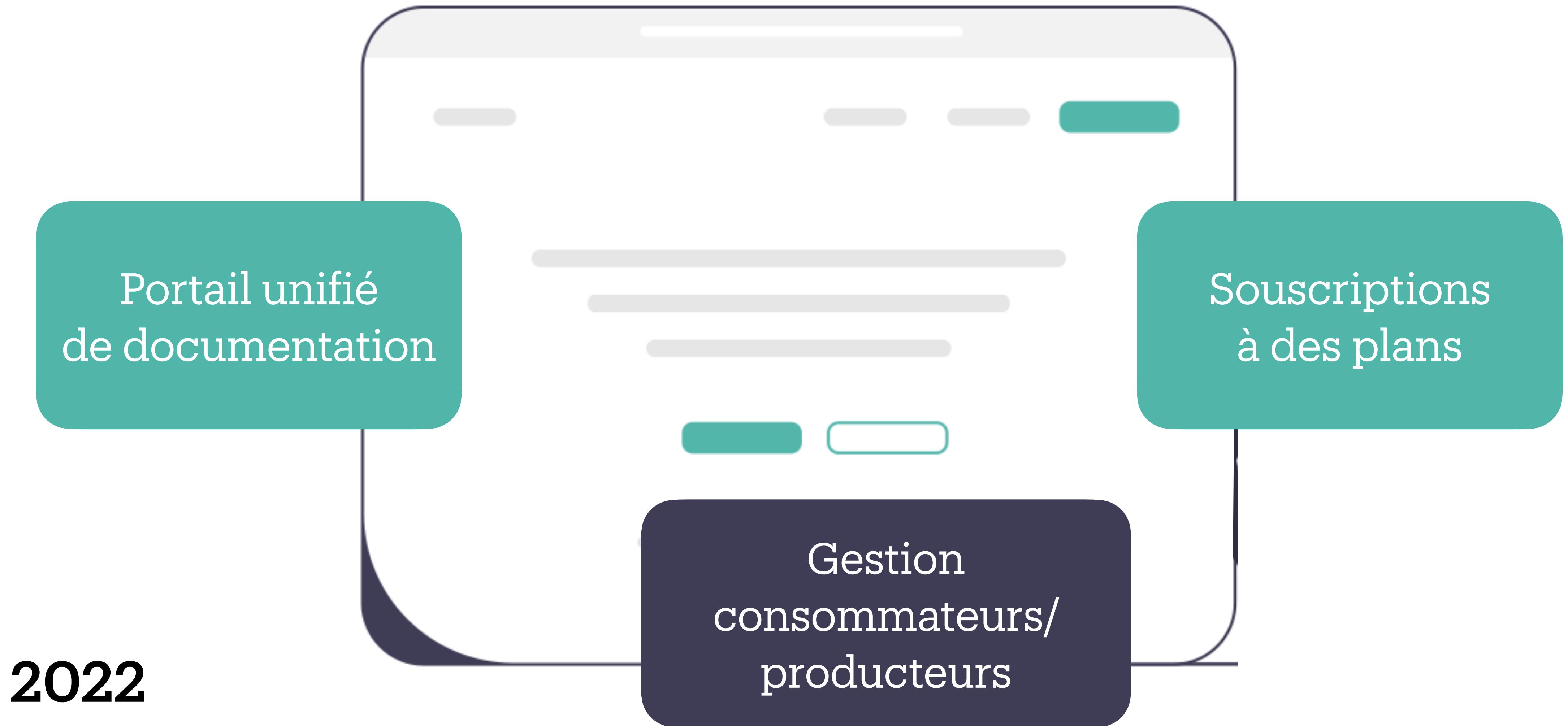
2018

Naissance
du produit

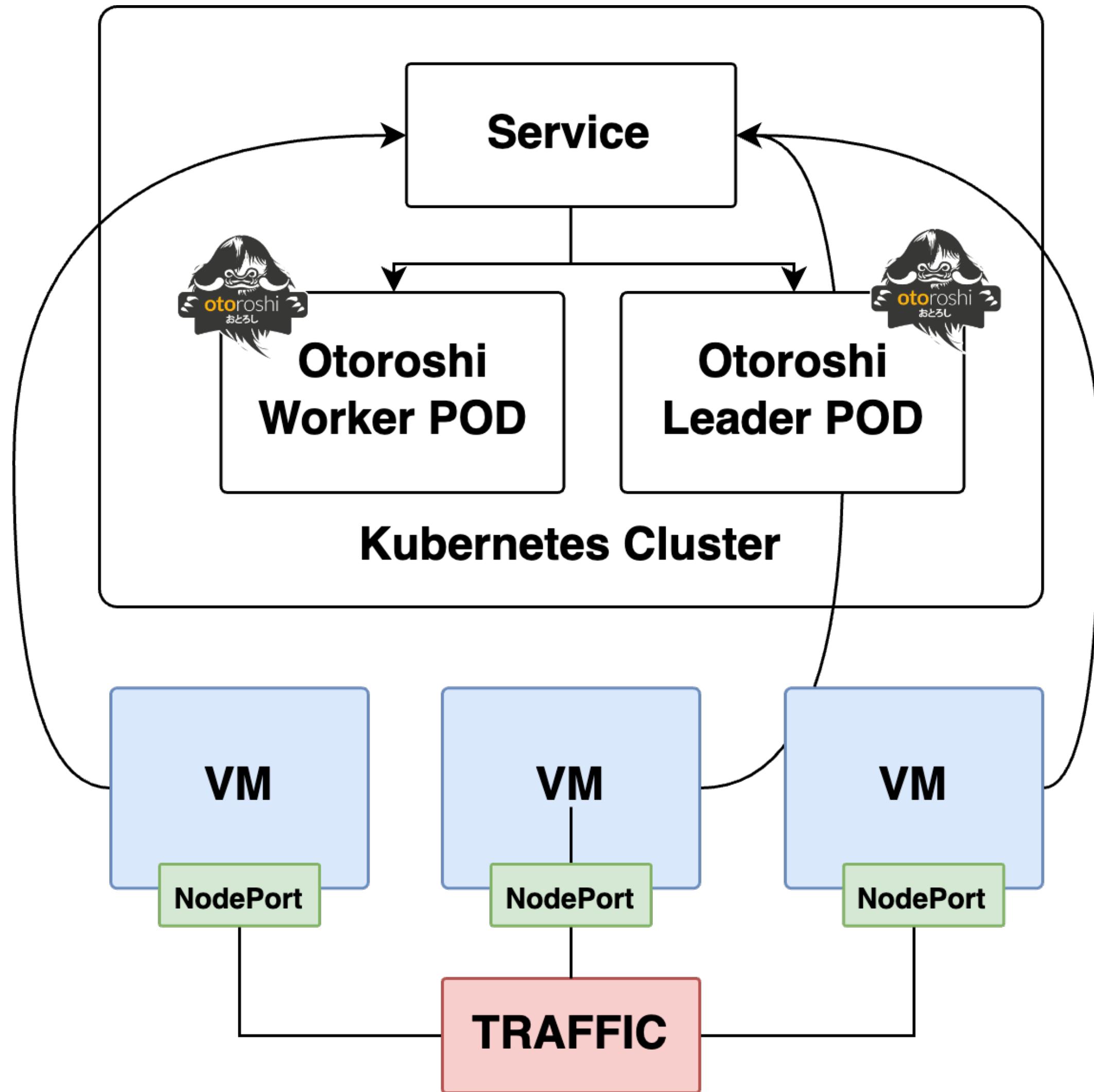
2019

Open source
Sous
licence Apache2

OpenShift + Otoroshi + Daikoku



Expose Otoroshi as Ingress Controller

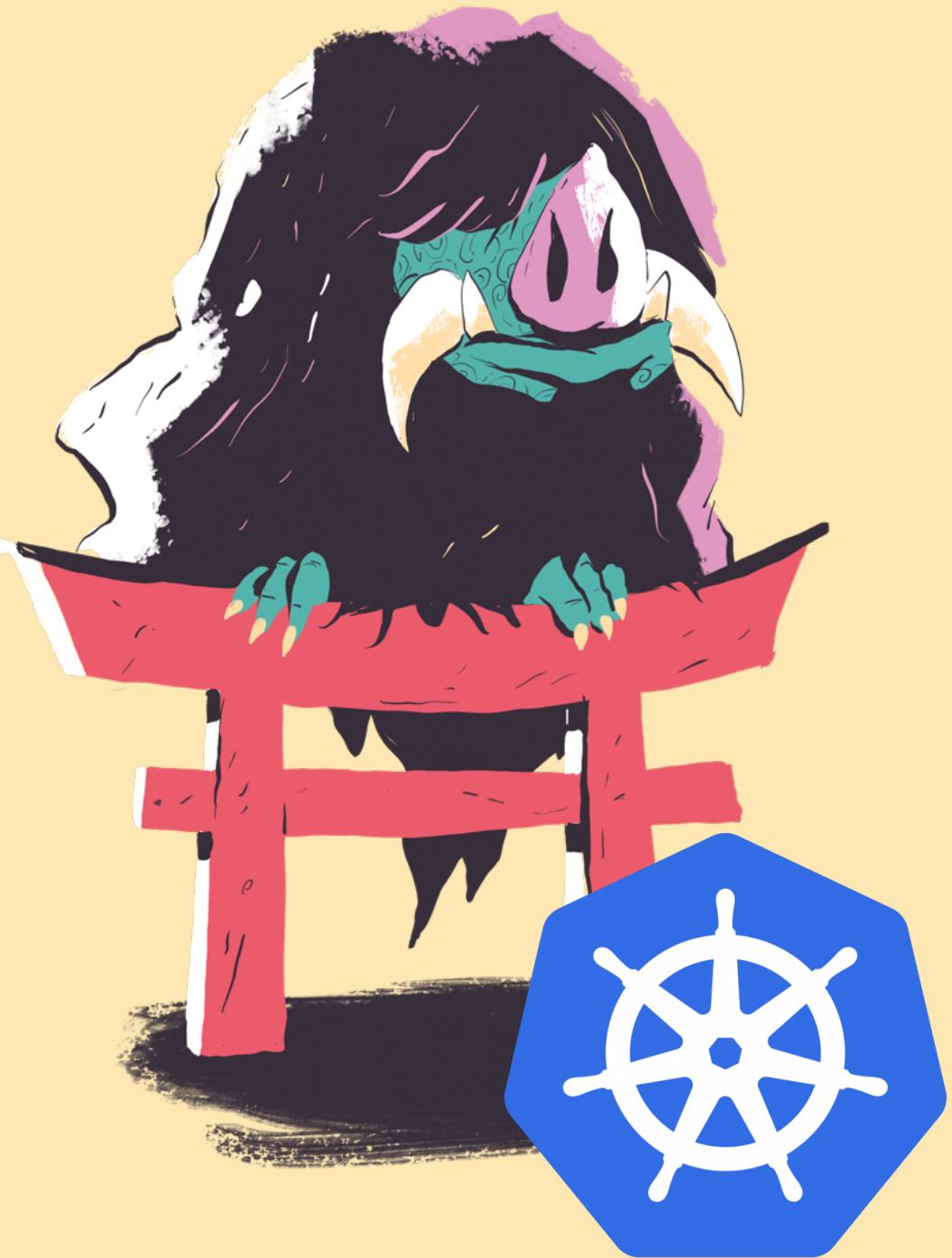
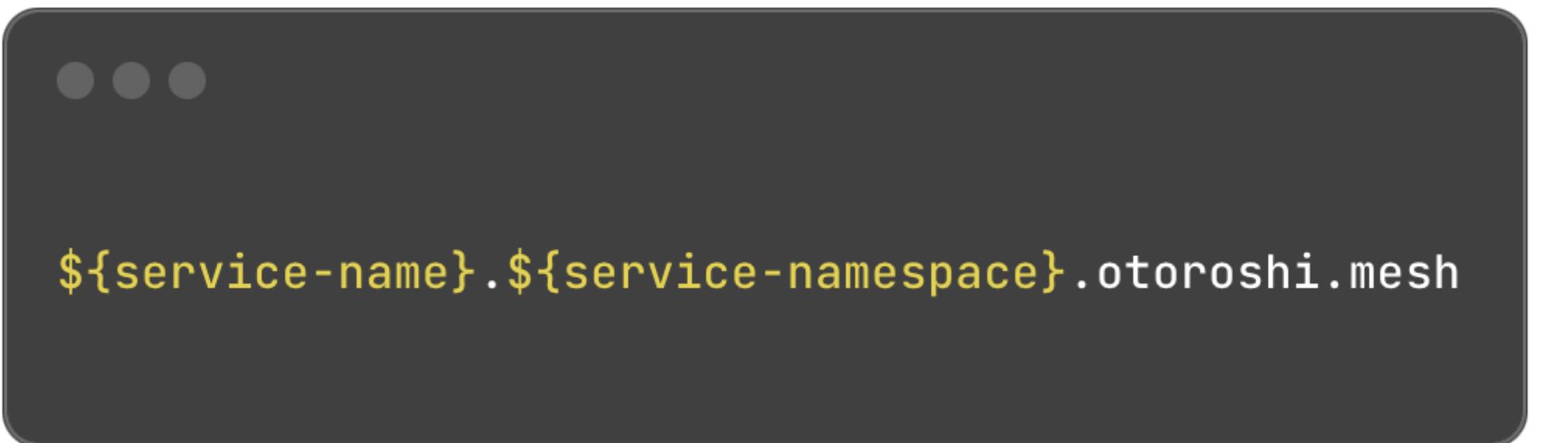


2020

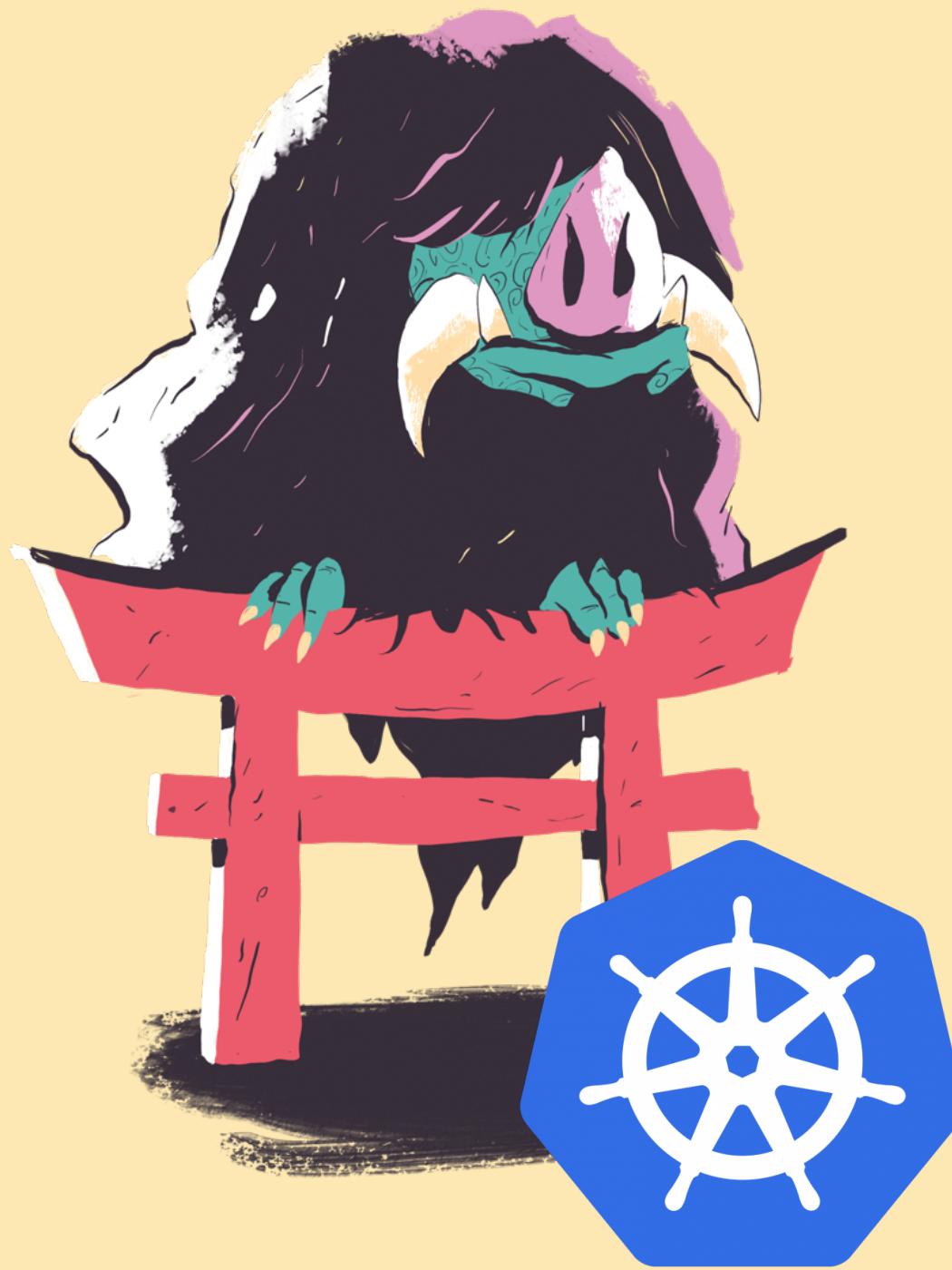
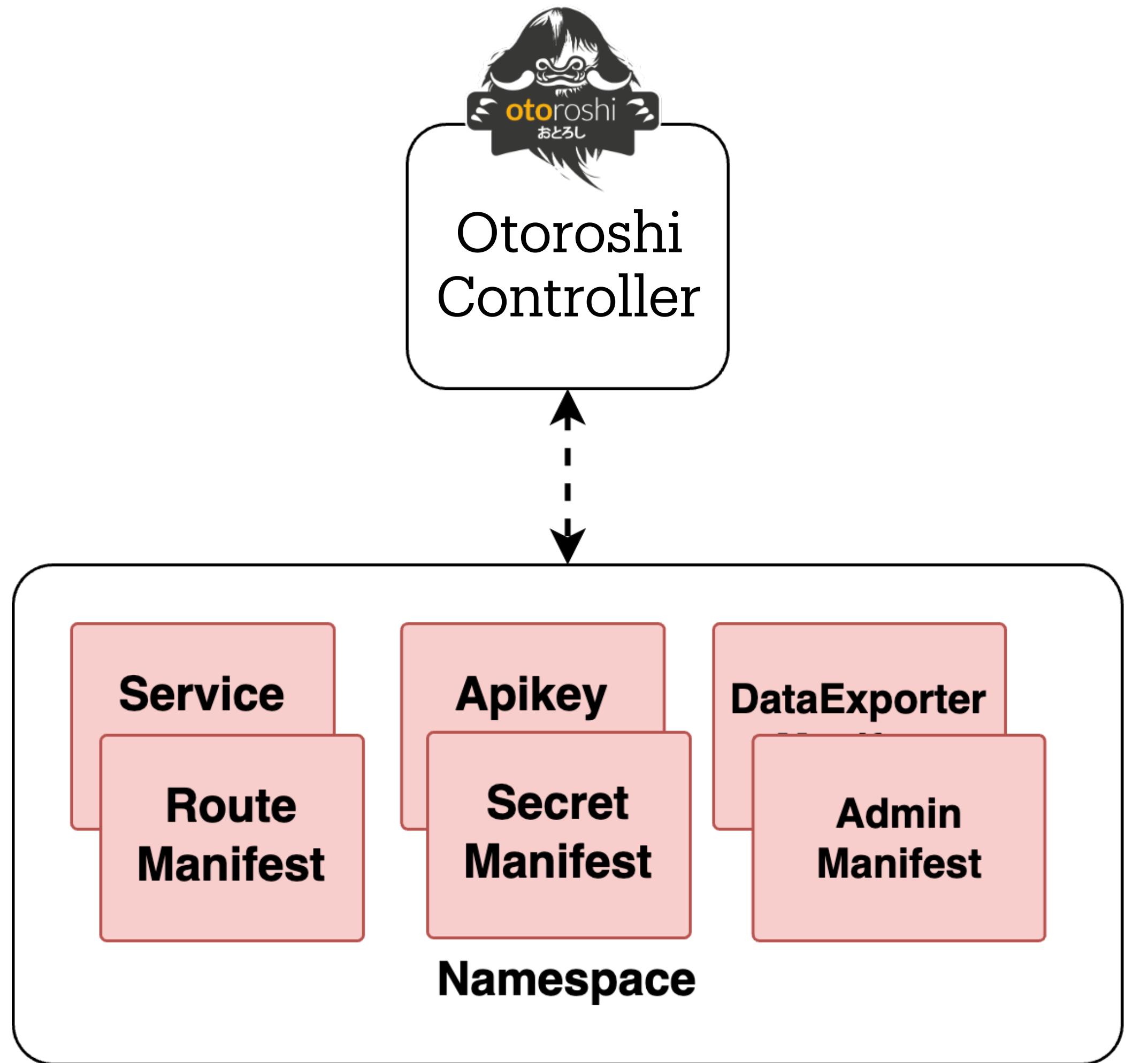
Création du support k8s

Kubernetes-native API Management

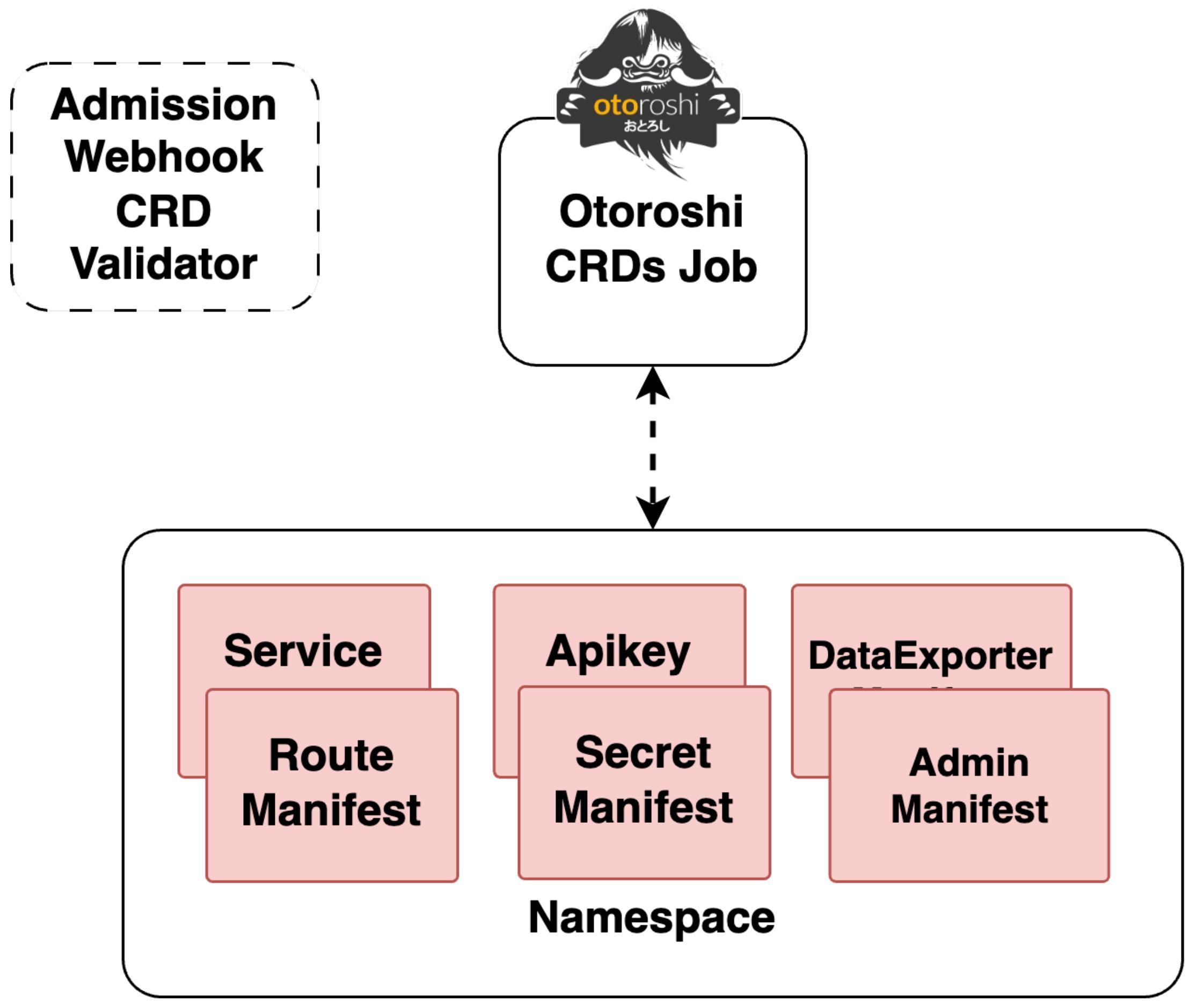
Une intégration complète à différents niveaux de personnalisation avec l'écosystème Kubernetes



Otoroshi CRDs

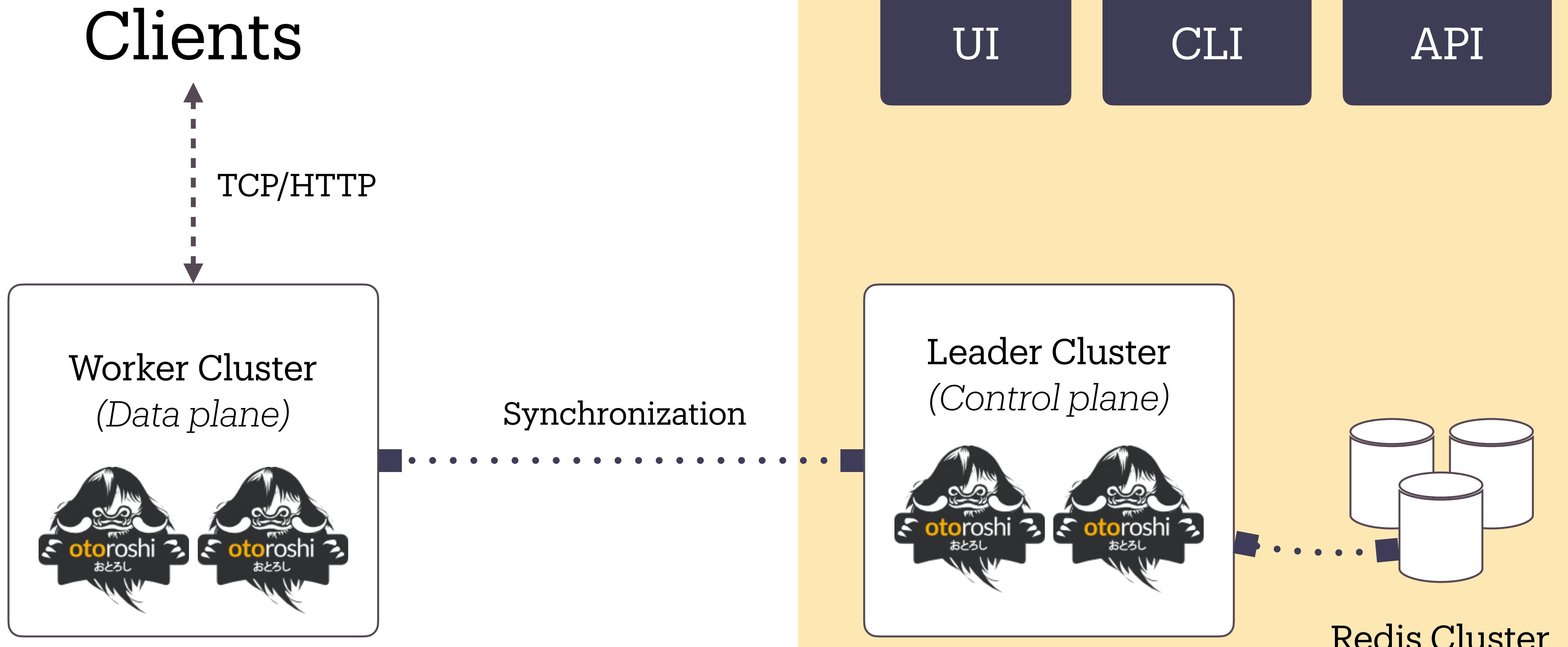


CRD validation in kubectl



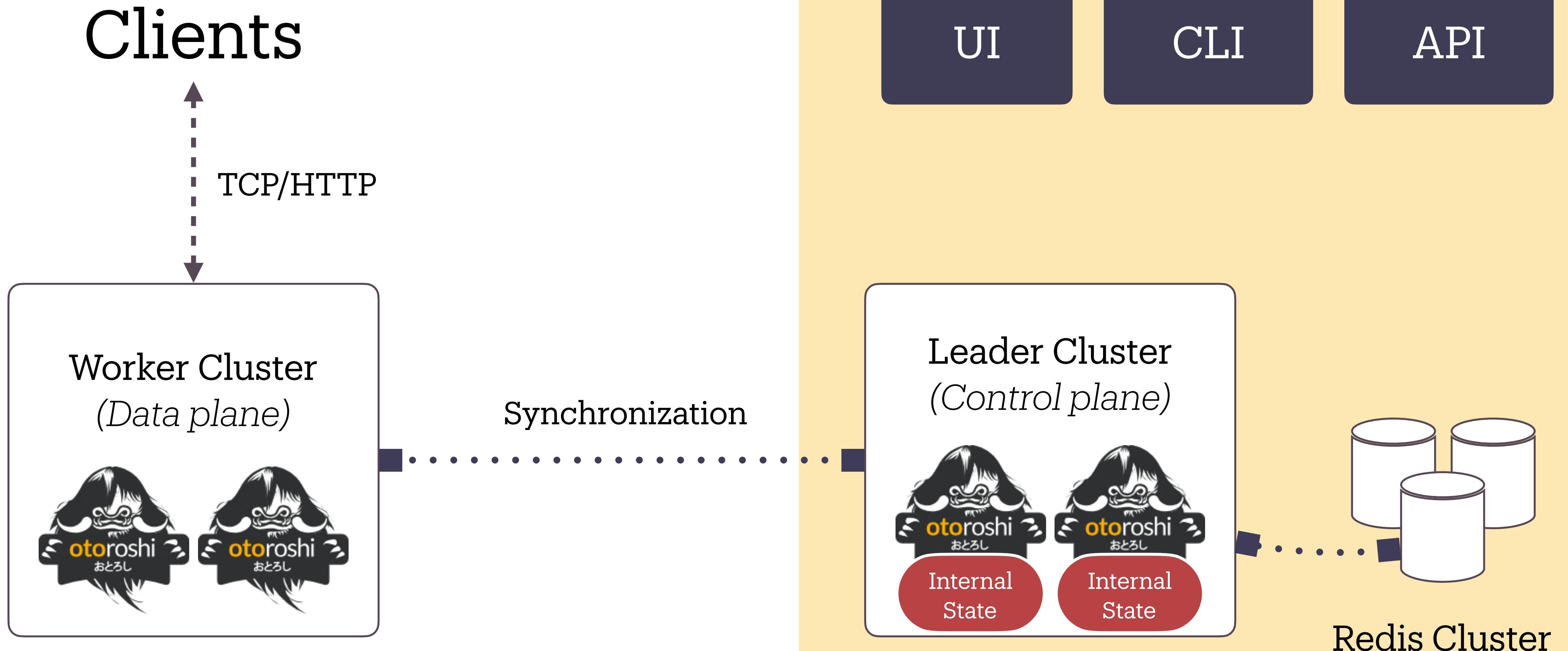
Et question résilience, ca donne quoi ?

Administrators



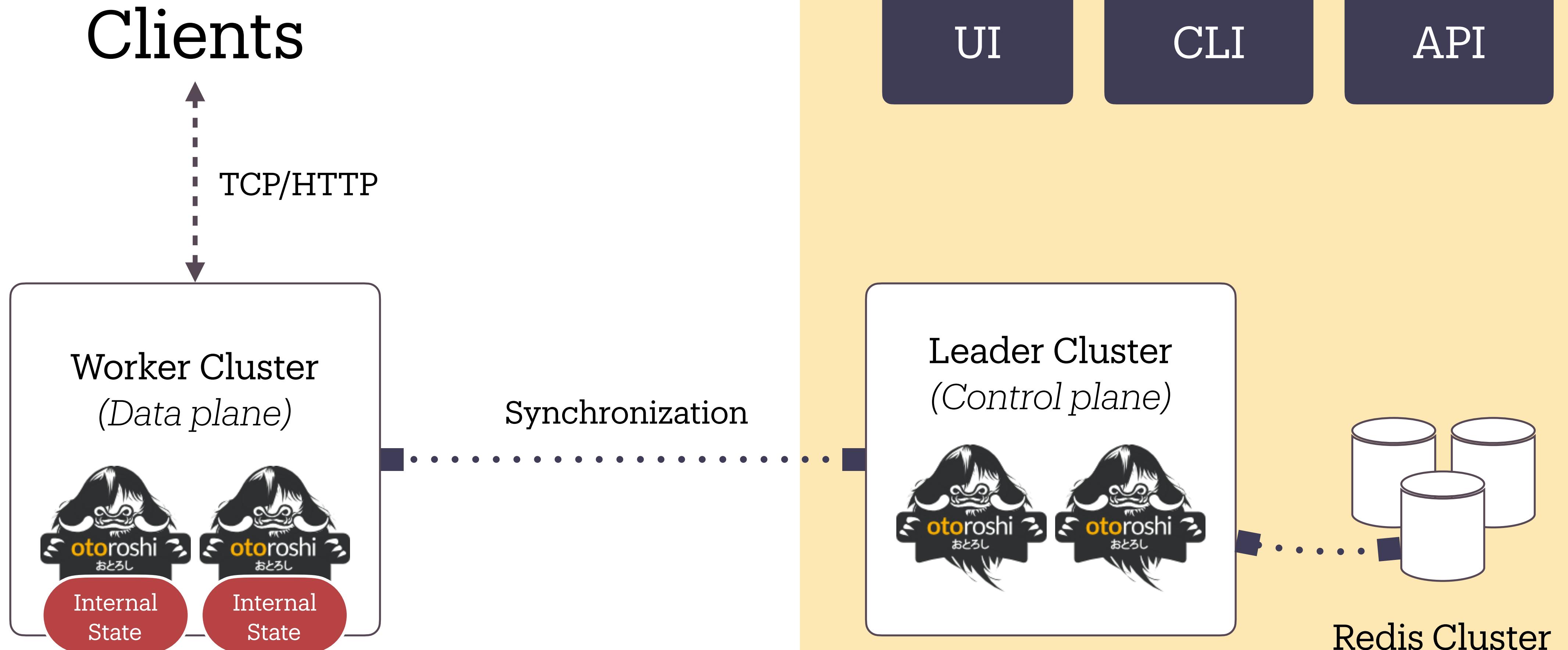
Scenario

Losing connection to the database



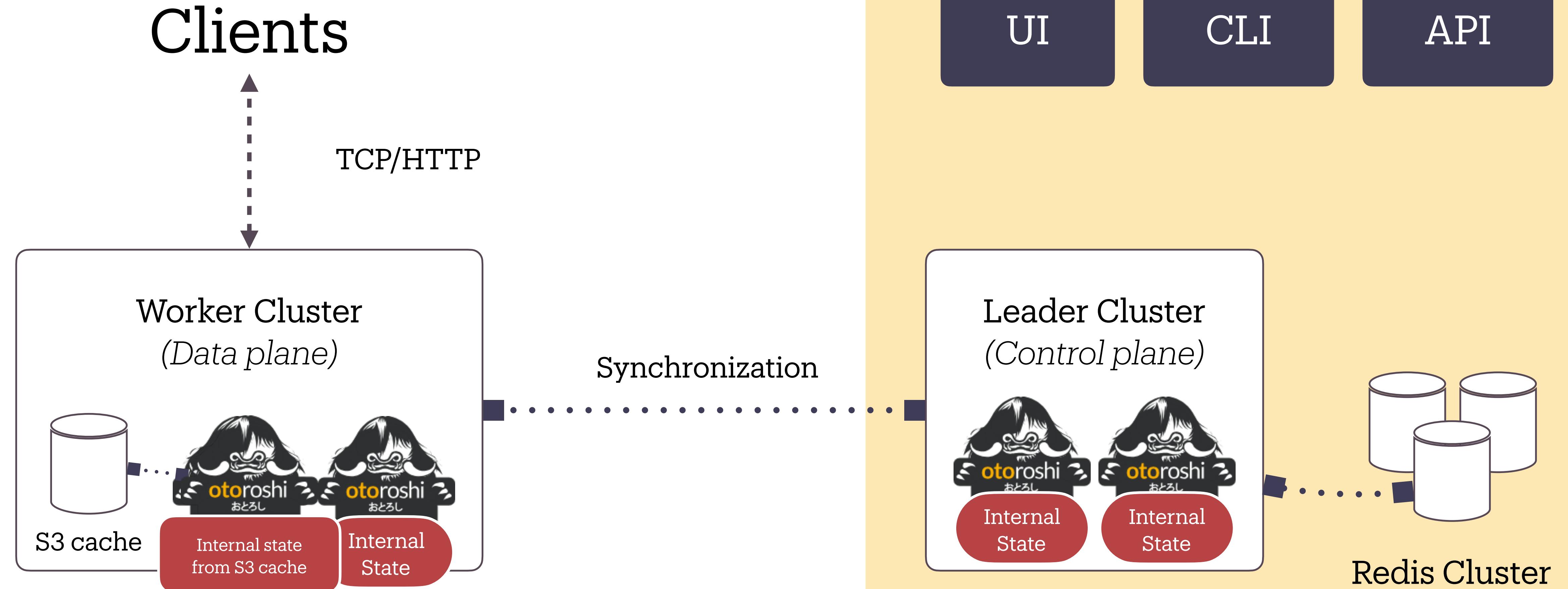
Scenario

Losing connection with leaders



Worst Scenario

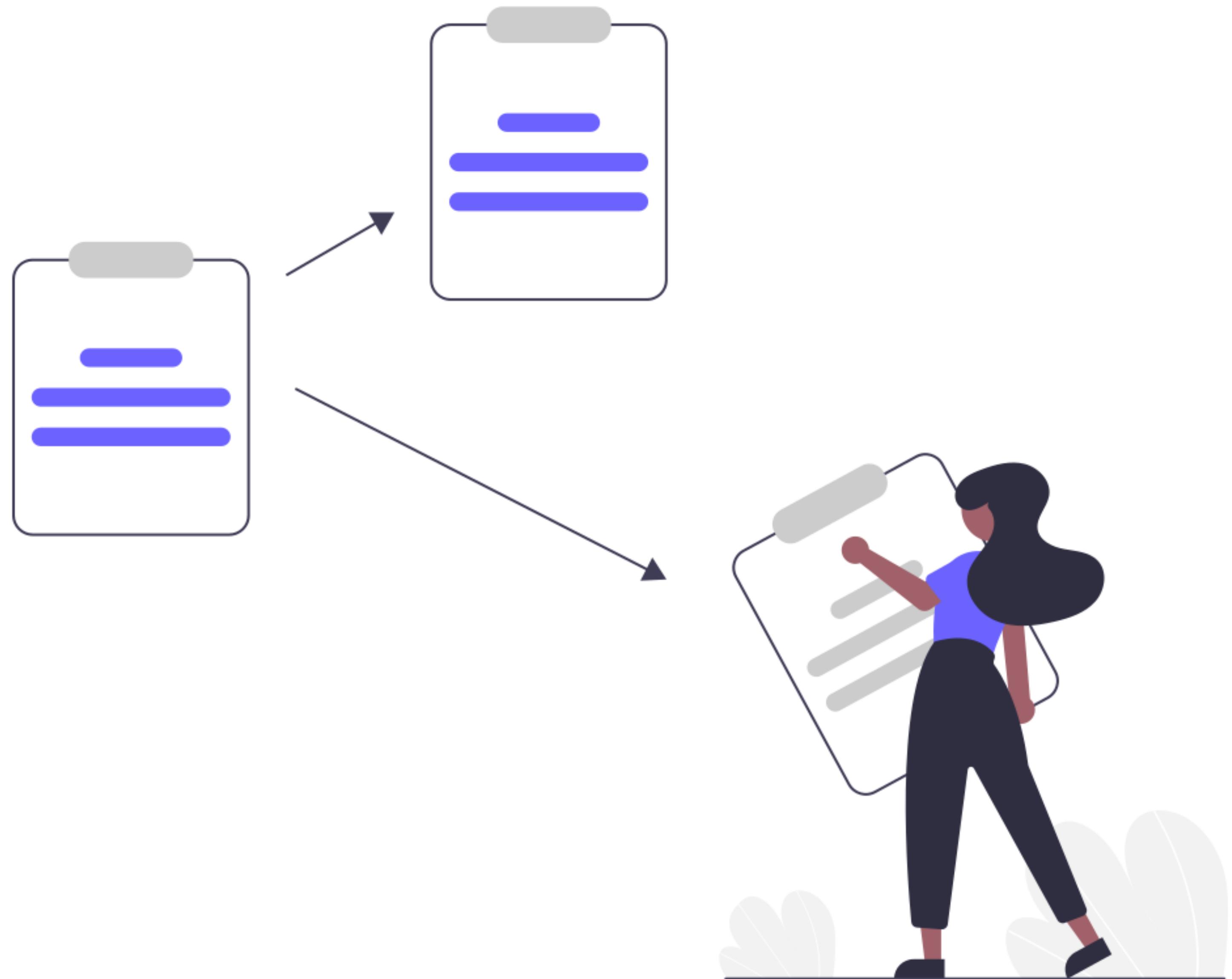
Losing database and leaders

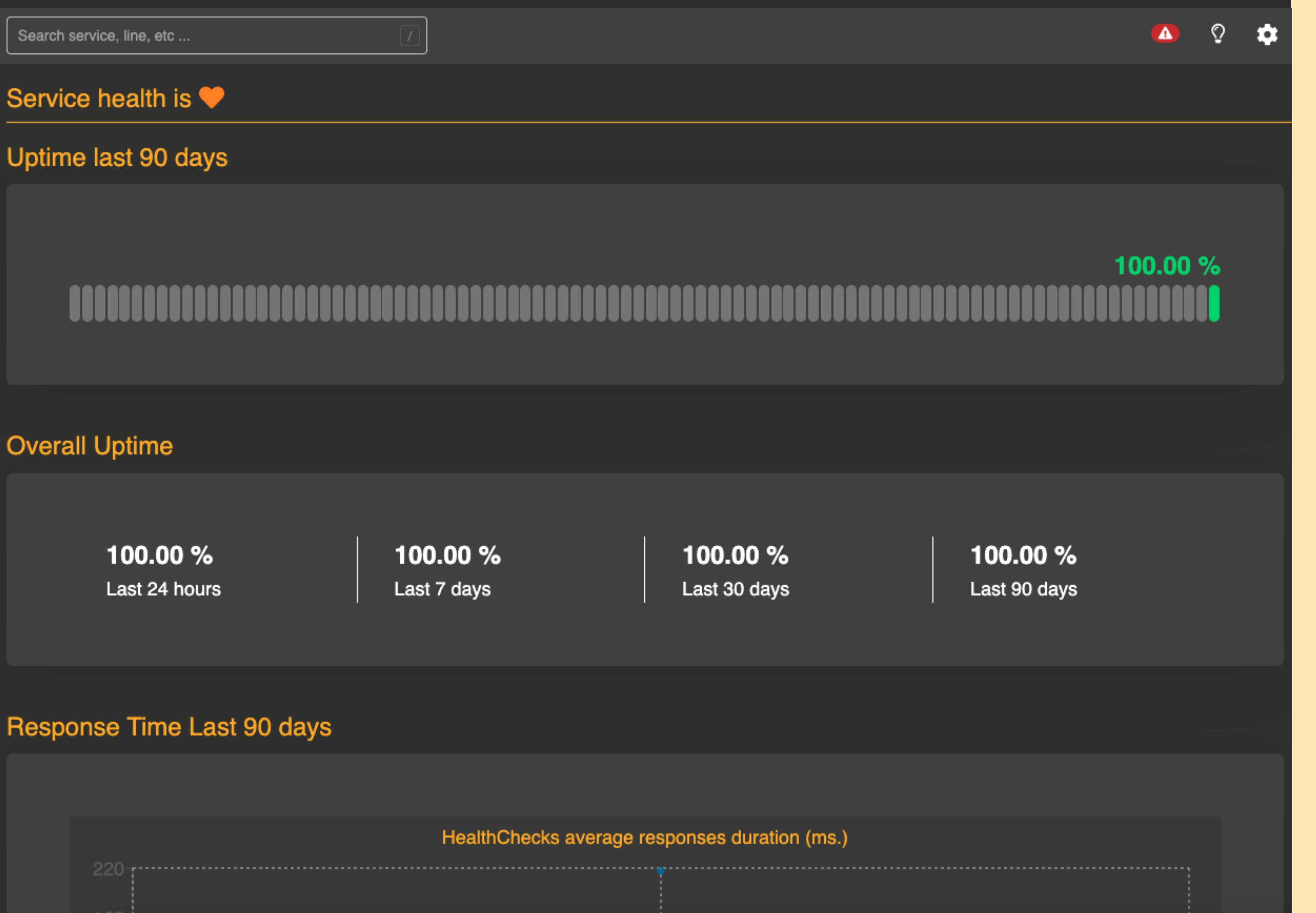


Monitoring des clusters

Audit events

Any admin action
and any
suspicious/alert
action is recorded





Monitoring des clusters

Events

Analytic

Gateway

TCP

Healthcheck

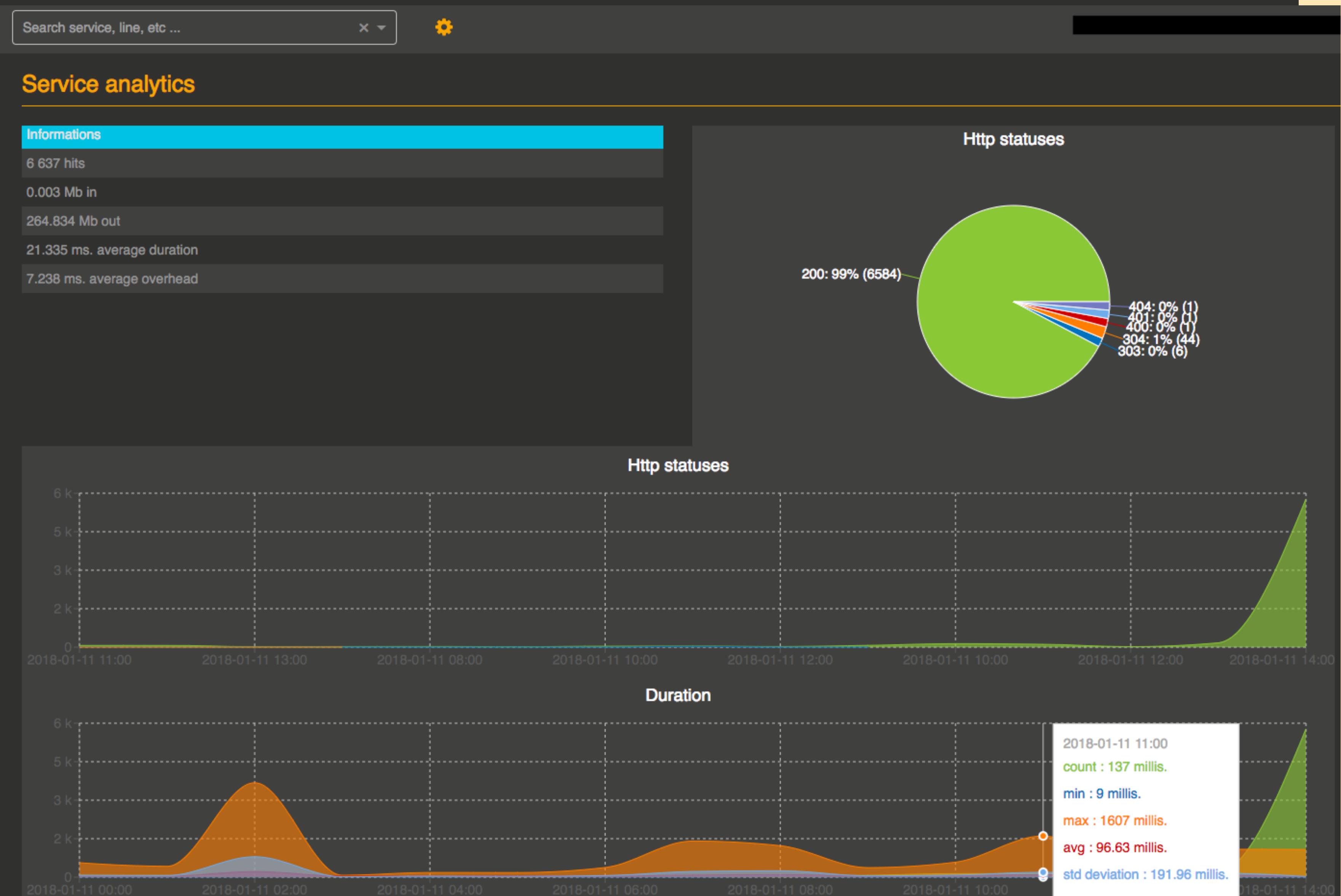
Monitoring des clusters

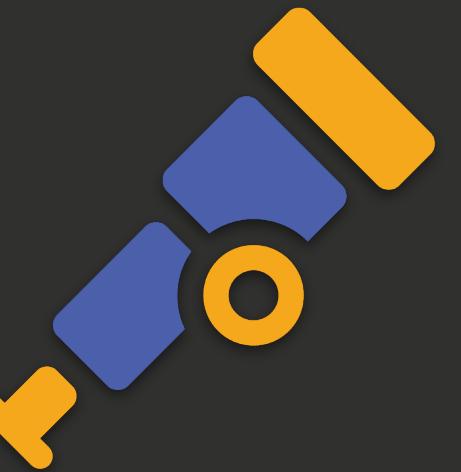
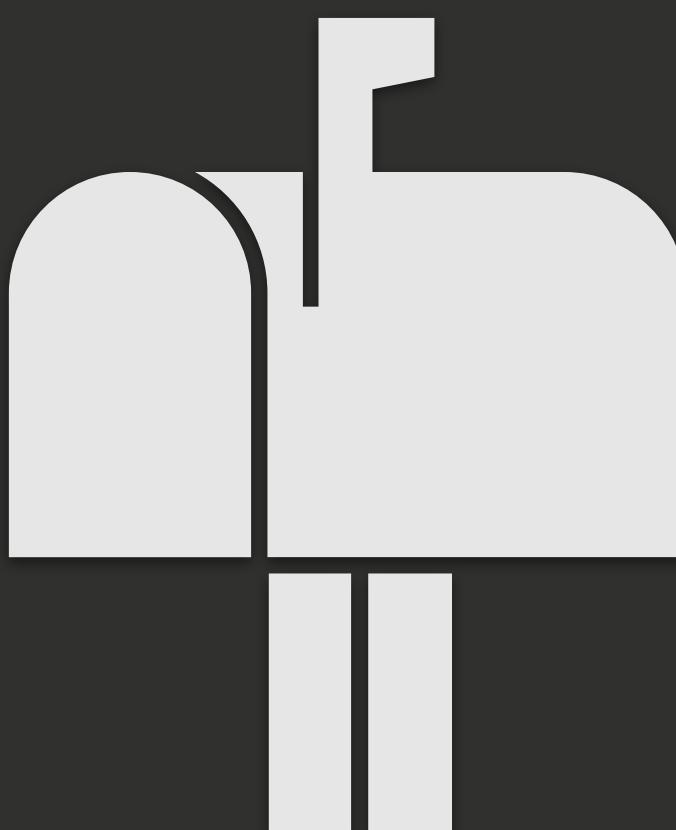
Events

Analytic
Gateway

TCP

Healthcheck





OpenTelemetry

GG REPLAY

Monitoring
des clusters

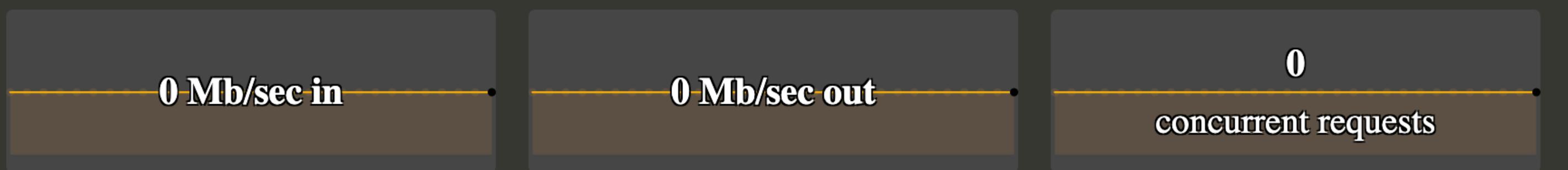
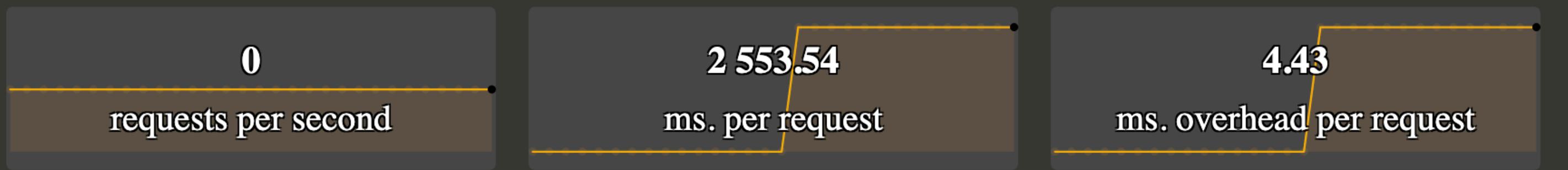
Alerts

API Quotas reached

CPU limit exceeded



LIVE METRICS



GLOBAL METRICS



CLUSTER METRICS



Monitoring des clusters

Global metrics

Requests served

Data received and sended

Concurrent requests

Requests per second

Current Overhead

Monitoring des clusters



Probes

/health

/metrics

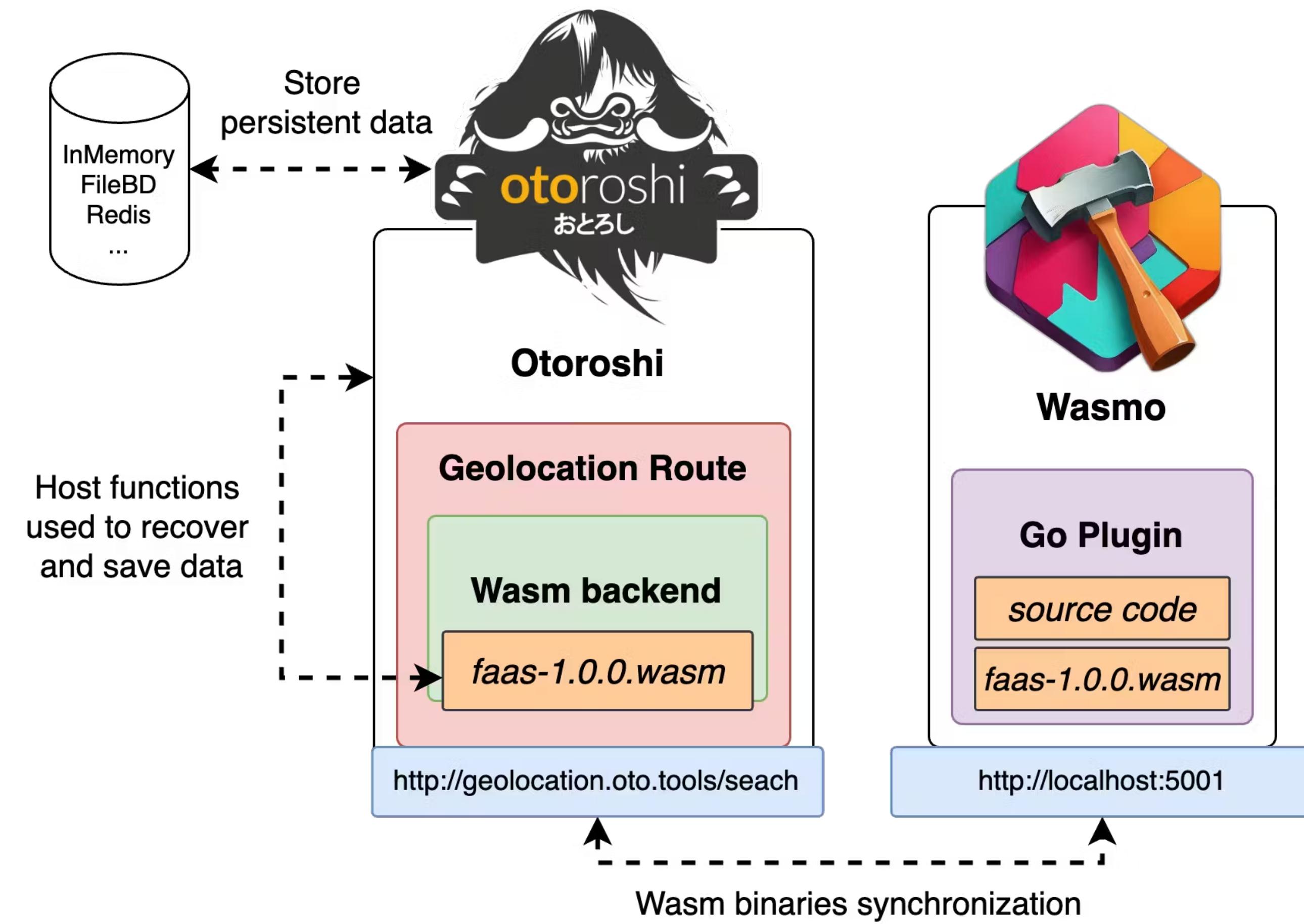
/live

/ready

OpenShift + Otoroshi + Daikoku + Wasm

Validation automatique via script Wasm Plugin Wasm

2023



Je veux me lancer, je peux m'appuyer sur quoi ?



```
# Download the latest version  
wget https://github.com/MAIF/otoroshi/releases/download/v16.20.1/otoroshi.jar
```



```
# Download the latest version  
wget https://github.com/MAIF/otoroshi/releases/download/v16.20.1/otoroshi-16.20.1.zip  
unzip ./otoroshi-16.20.1.zip  
cd otoroshi-16.20.1
```



```
# Download the latest version  
docker pull maif/otoroshi:16.20.1-jdk11
```

