



# **Vorstellung / Présentation**

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# Infrastruktur / Infrastructure

virtuelle Server  
(CloudSigma IaaS)

serveur virtuel  
(CloudSigma IaaS)

drei separate Umgebungen  
(Dev/Test/Prod)

trois environnements  
séparés (Dev/Test/Prod)

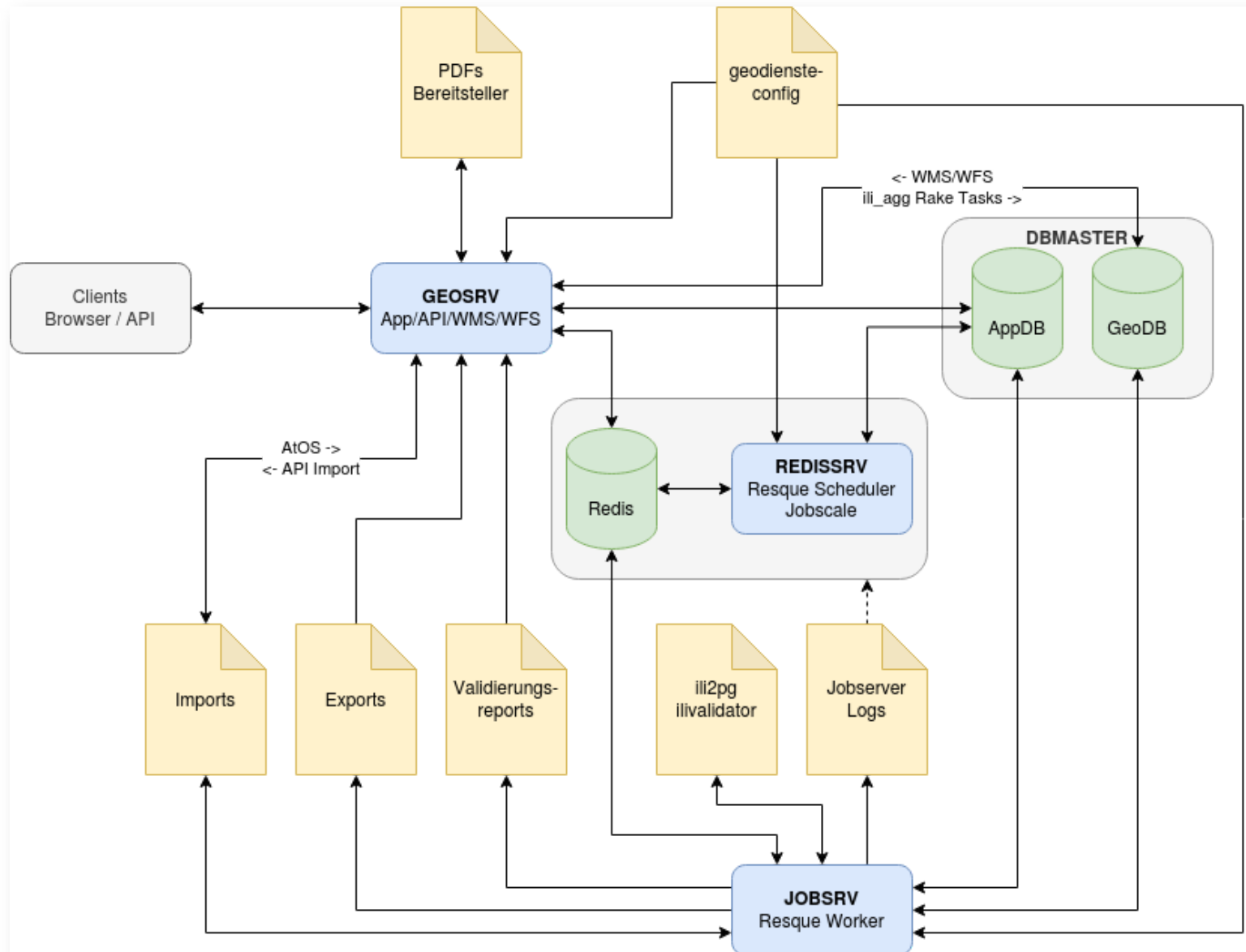
manuelles Management

gestion manuelle

manuelle Rollouts

déploiements manuels

# Infrastruktur / Infrastructure





# Hindernisse / Obstacles

manuelle Wartung und  
Installation

entretien et installation  
manuels

unterschiedliche  
Entwicklungsumgebungen

différents environnements  
de développement

aufwändige Rollouts

déploiements complexes

manuelle Tests

tests manuels

viele Abhängigkeiten

plusieurs dépendances

veraltete Komponenten

composants obsolètes

# Massnahmen / Mesures



Ziele definiert

définition des objectifs

Wunscharchitektur

architecture désirée

Migrationsplan

plan de migration

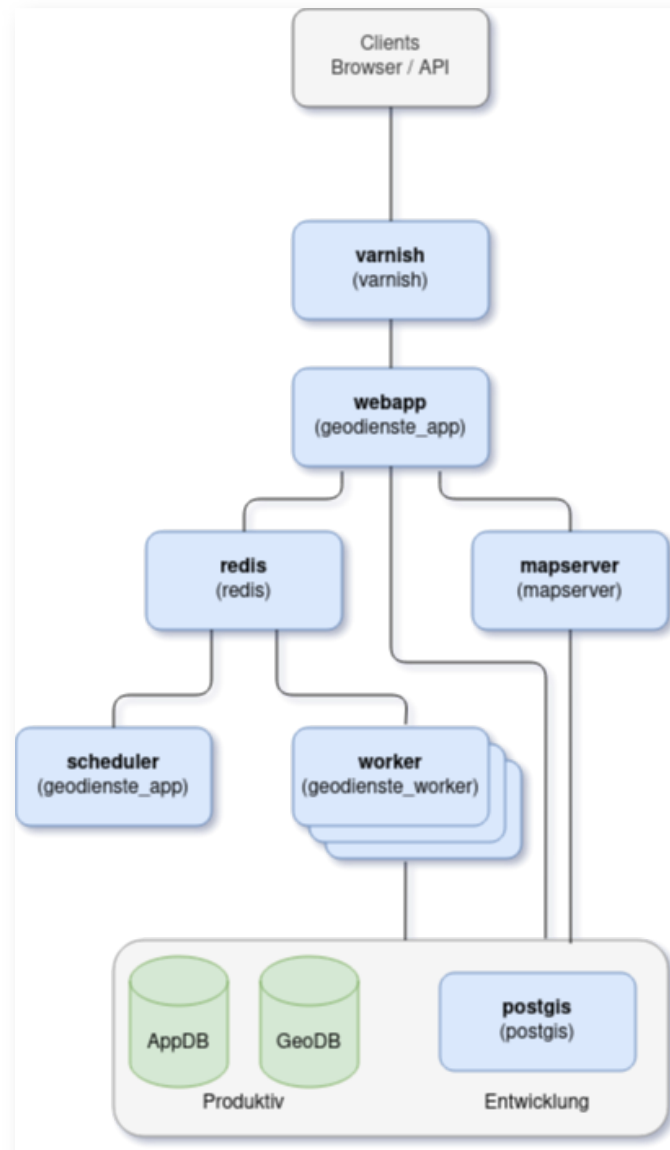
7 Meilensteine

7 jalons

Start 2020

début en 2020

# Docker Container



# Build Docker Images



GitLab

Projects ▾ Groups ▾ More ▾

Search or jump to...

72 1 48

geodienste-config

Project overview

Repository

Issues 10

Merge requests 0

**CI/CD**

Pipelines

Editor

**Jobs**

Schedules

Security & Compliance

Analytics

Members

Settings

Collapse sidebar

```
285 5e6fa043ff11: Waiting
286 1a800793f3a3: Waiting
287 94ea72677bd7: Waiting
288 16bd06c8dd57: Waiting
289 251af99b619e: Waiting
290 e778d8a69a34: Waiting
291 f89df83ce8ab: Waiting
292 65b52396ad2f: Waiting
293 beee9f30bc1f: Waiting
294 ca497fc236be: Waiting
295 44e42827572d: Mounted from kgk/ows-gateway/geodienste_worker_base
296 d7b5eb789795: Mounted from kgk/ows-gateway/geodienste_worker_base
297 f22207a26afd: Mounted from kgk/ows-gateway/geodienste_worker_base
298 aaa2db847619: Mounted from kgk/ows-gateway/geodienste_worker_base
299 fe3a1a0e7e7b: Mounted from kgk/ows-gateway/geodienste_app
300 ad50713dc0b5: Mounted from kgk/ows-gateway/geodienste_worker_base
301 5e6fa043ff11: Mounted from kgk/ows-gateway/geodienste_app
302 16bd06c8dd57: Mounted from kgk/ows-gateway/geodienste_app
303 94ea72677bd7: Mounted from kgk/ows-gateway/geodienste_app
304 1a800793f3a3: Mounted from kgk/ows-gateway/geodienste_app
305 e778d8a69a34: Layer already exists
306 ca497fc236be: Layer already exists
307 f89df83ce8ab: Layer already exists
308 251af99b619e: Mounted from kgk/ows-gateway/geodienste_app
309 65b52396ad2f: Mounted from kgk/ows-gateway/geodienste_app
310 43b94df28e1f: Layer already exists
311 beee9f30bc1f: Layer already exists
312 85dab3647d6b: Pushed
313 latest: digest: sha256:4669812629c90cc0ebf42844ffcdf0377d268867f5bb6d02b0cdf55
    0c50e3b87 size: 4098
314 Cleaning up project directory and file based variables
315 Job succeeded
```

**build\_images** Retry

Duration: 2 minutes 3 seconds

Timeout: 1h (from project)

Runner: #21 (hexnshCd) osm runner

Commit [d48092d4](#)

Merge branch 'docker'

Pipeline #7405 for master

docker\_build ▾

→ build\_images



# Demo

Docker Container

lokale Entwicklung

Docker Container

développement local



# Windows Subsystem for Linux

lokale Entwicklung auf  
Windows

développement local sous  
Windows

virtuelles Linux System

système Linux virtuel

transparente Einbindung  
basierend auf HyperV

intégration transparente  
basée sur HyperV

ideale Plattform für Docker,  
Git usw.

Plate-forme idéale pour  
Docker, Git, etc.

# Ausblick / Perspectives



Container Produktion  
automatisierte Tests  
automatisiertes Rollout  
Container Orchestrator

Containers de production  
tests automatisés  
déploiement automatique  
Orchestrateur de  
conteneurs