

MINEDRIVE

Dsys F525 Challenge Task

Luca Moor, Sahithyen Kanaganayagam, Silvan Bollhalder

Projektidee



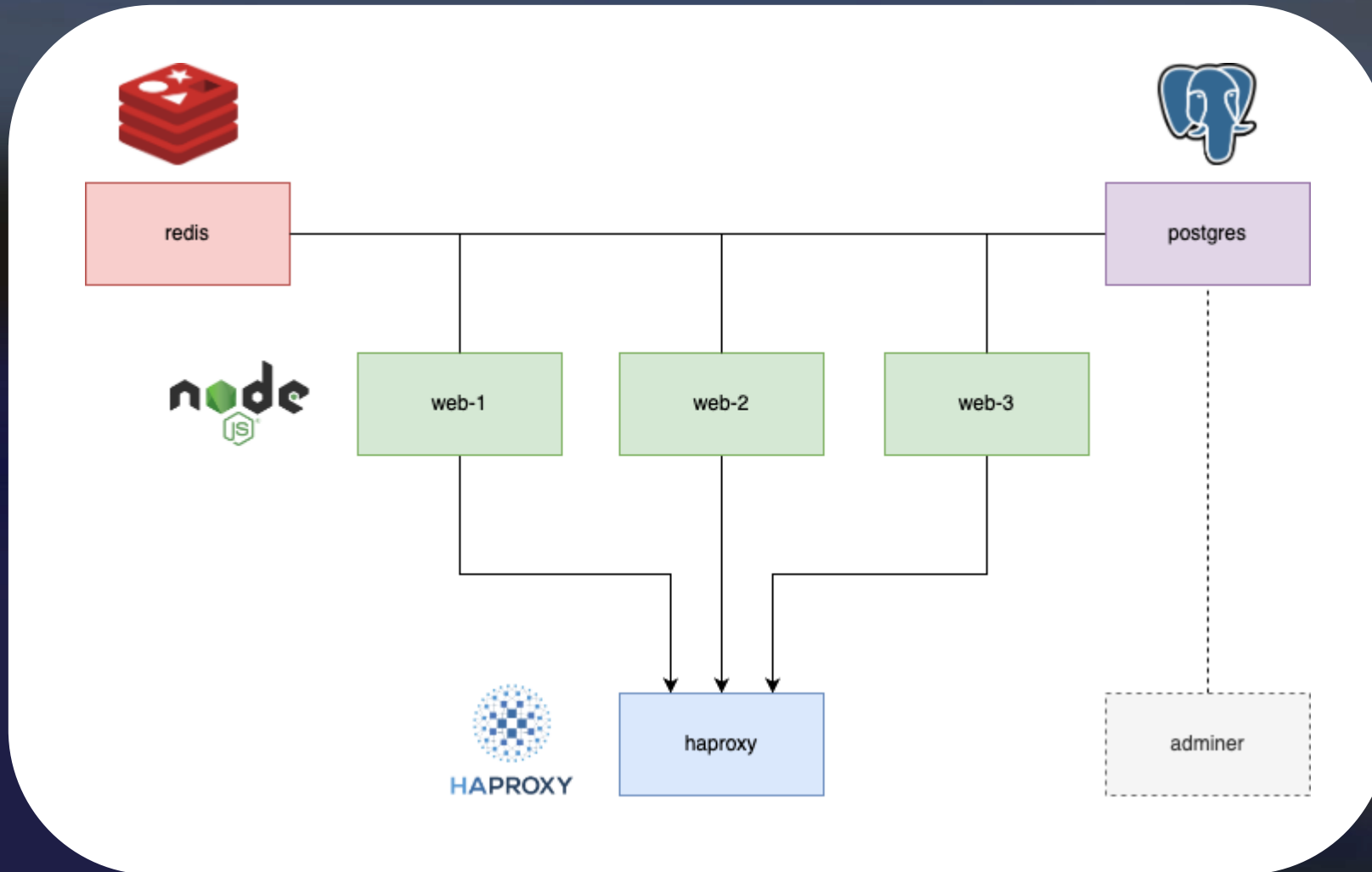
Webplattform für Minecraft
WorldEdit-Strukturen



hochverfügbare, fehlertolerante
Architektur mit Live-Updates

Demo

Architektur



WebSockets

Count of online users: 3

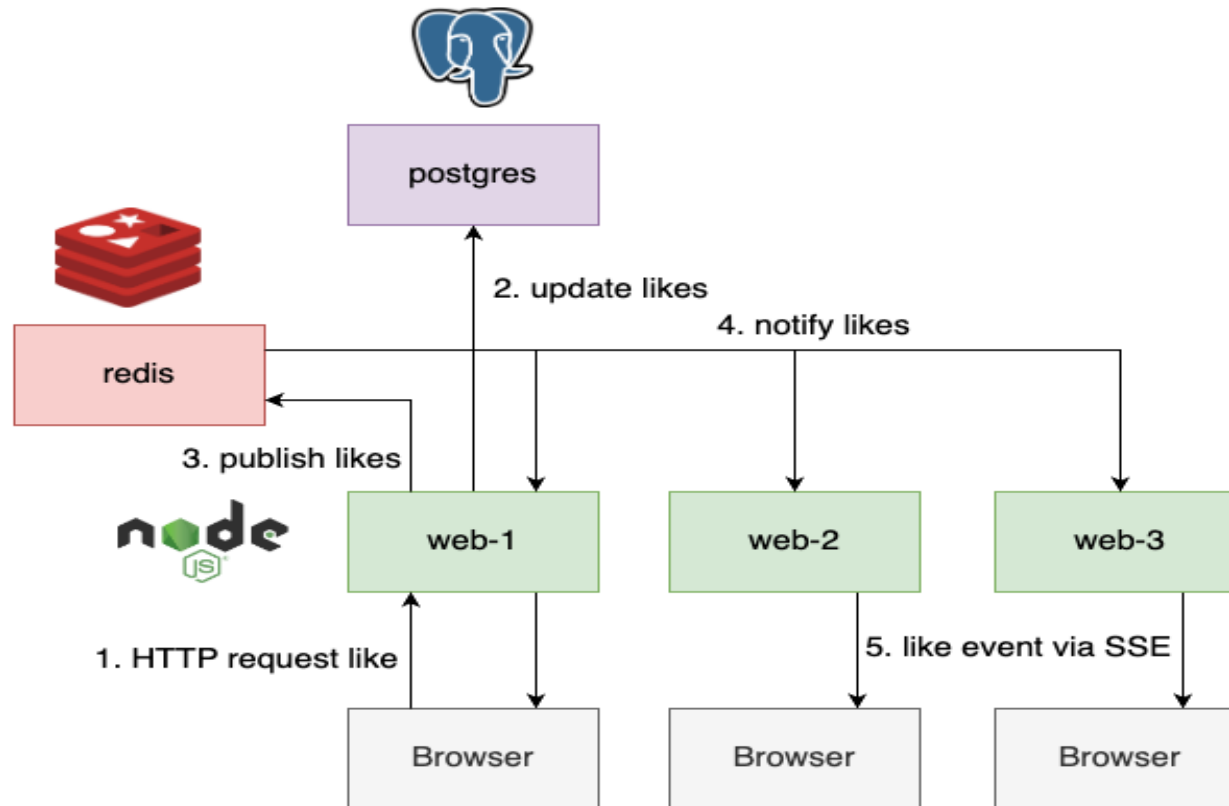
Online Users

Server-Sent Events



Likes

Like Flow



High Availability & Failover

- HAProxy fragt /api/health ab, für HealthCheck
- 3 Unabhängige Webinstanzen über Roundrobin balanciert



```
frontend http_front
  bind *:80
  default_backend web_back

backend web_back
  mode http
  balance roundrobin
  option httpchk GET /api/health
  server-template web- 3 web:3000 check init-addr last,none resolvers default
```

```
web:
  build:
    context: .
    dockerfile: web.Dockerfile
  deploy:
    mode: replicated
    replicas: 3
```

Fazit & Ausblick

- Learnings:
 - Docker Replicate und Server Template
 - Code First mit Sequelize
 - Heartbeat-Überwachung
- Ausblick:
 - Integration in MineControl (SEProj)