

Website Tracker

Mario Huber

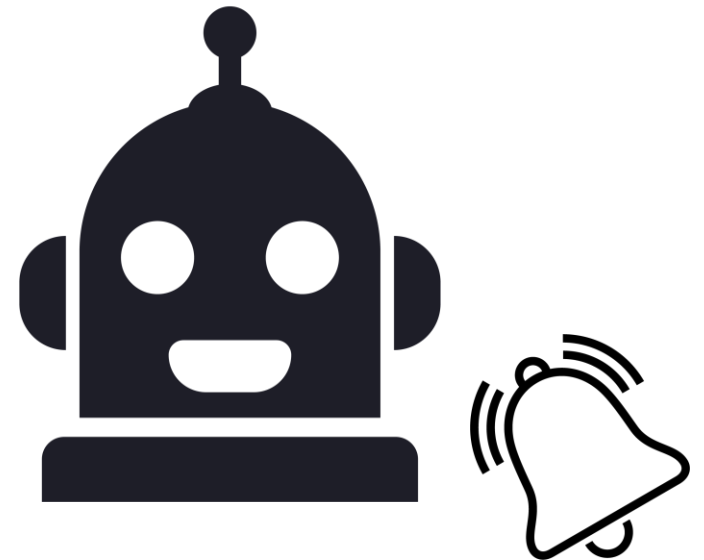
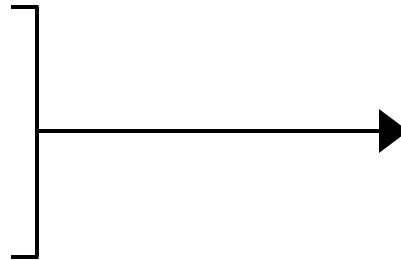
Patrik Ndue

Simon Ott

Website Tracker – die Idee

www.digitec.ch

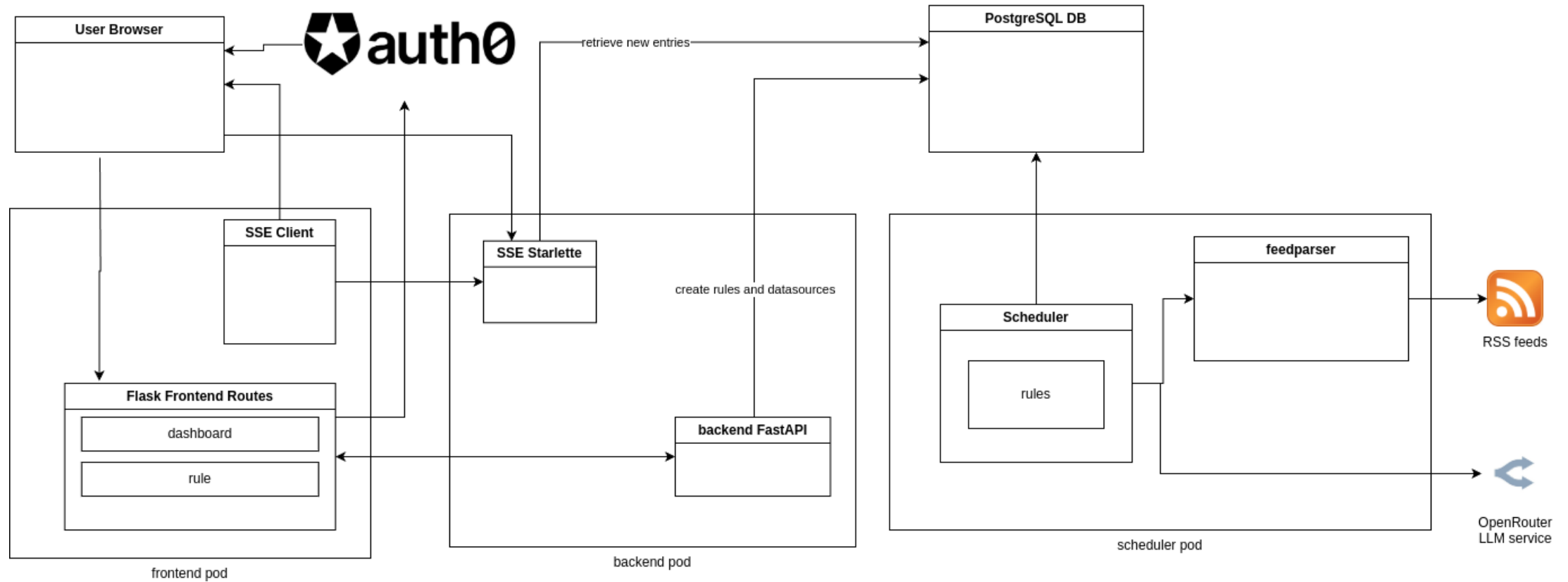
„Informiere mich, wenn ein Artikel
zu Grafikkarten herauskommt“



Design decisions

- Kubernetes
 - Wollten mal eine eigene App auf Kubernetes deployen
- Python
 - Gute Integration mit AI Frameworks
- RSS
 - Guter Start

Komponenten Übersicht

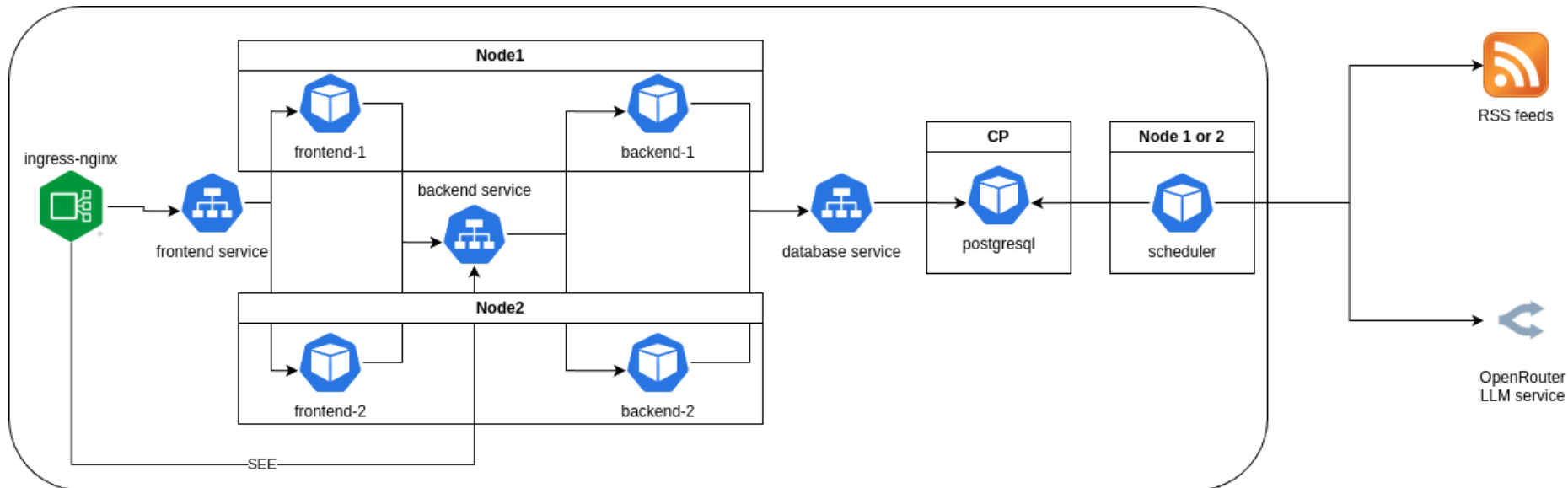


Architektur

- Metallb
 - Loadbalancing
- Ingress nginx
 - Frontend-Service
 - /
 - Backend-Service
 - /sse/entry/notifications

Pods Aufteilung

- Frontend (beiden Nodes)
- Backend (beiden Nodes)
- Webtracker-Scheduler (nur auf einem Node)
- Database (CP Persistent)



Frontend – Regeln

Criteria: I want to know about news stories related to Nvidia

Add a Monitoring Item

Title:

Description (optional):

Notification Criteria:

Check Interval:

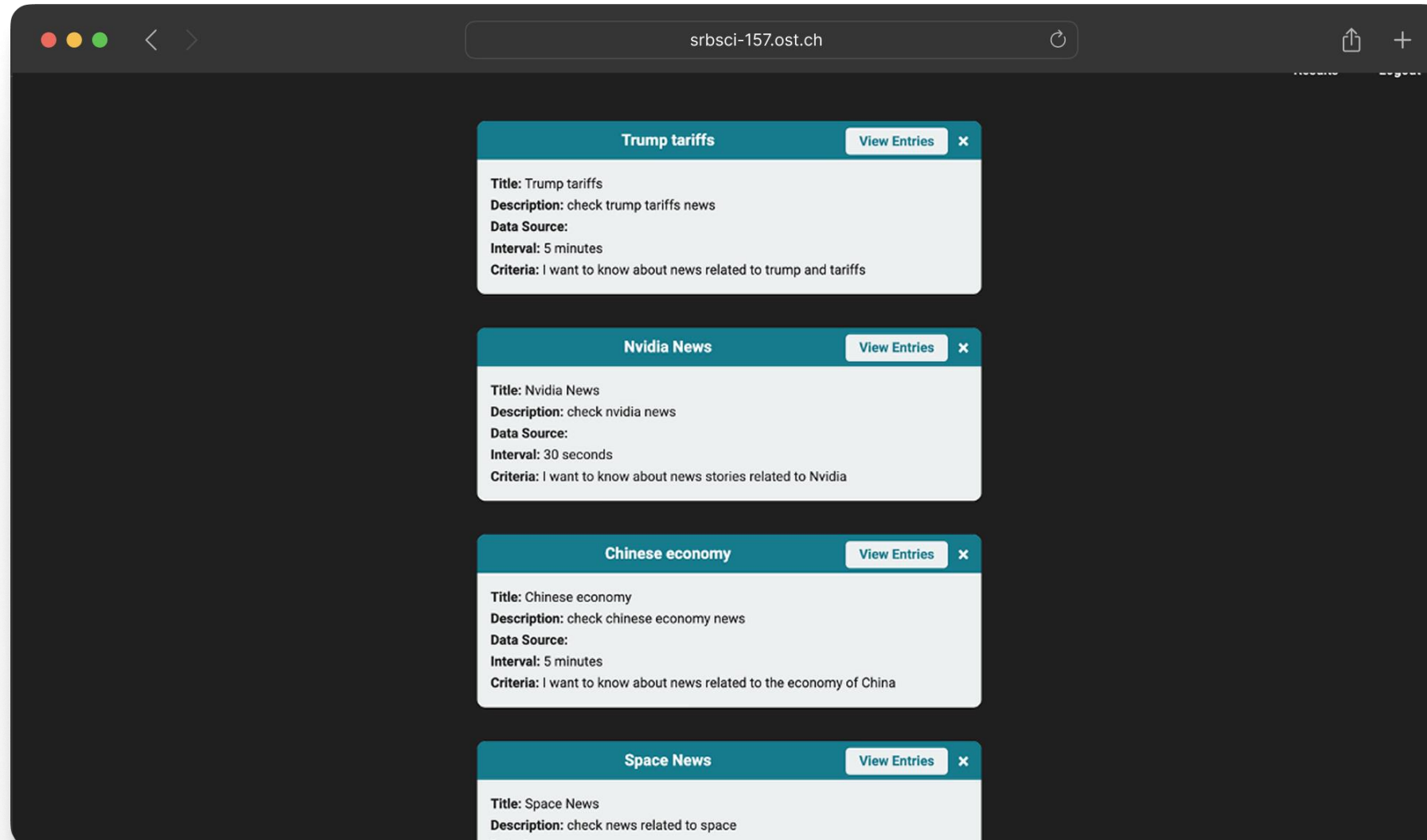
Days: : Hours: : Minutes: : Seconds:

Data Source:

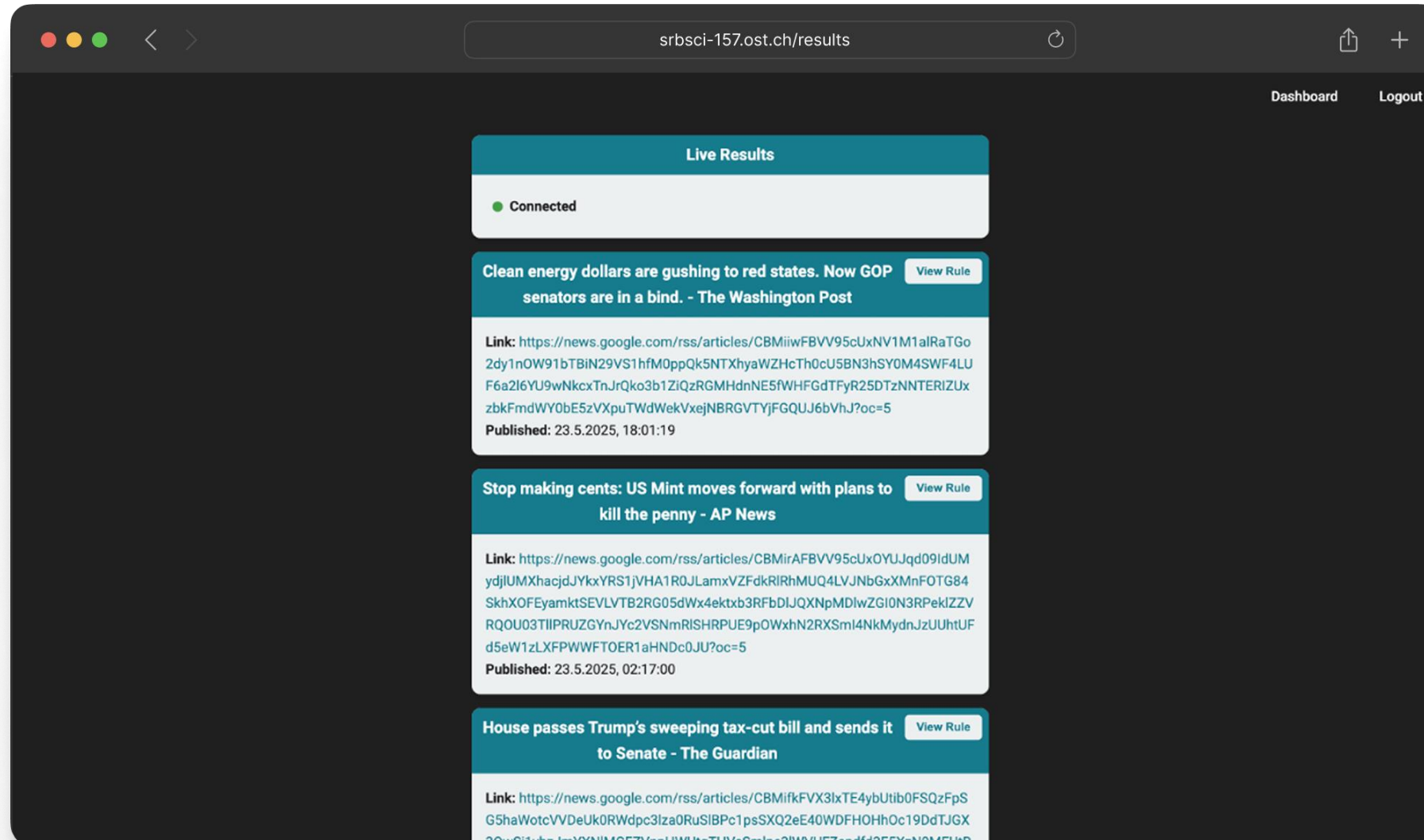
Info für User

Infos für Scheduler

Frontend – Regeln



Frontend – Resultate



Web Applikation Framework



- Minimalistisch / einfaches Routing
 - Session Handling
 - Übersichtlich
 - Jinja2-Templating
 - Gut Dokumentiert
-
- Server-Side Rendering
 - Client-Side Update (JS für SSE)

Authentication



- Anmeldung mit bestehendem Google / Microsoft Login
- Unterstützung vieler Authentifizierungsarten (Social Logins, SAML, MFA)
- Sicherheit
- Skalierbarkeit
- Automatische User-Verwaltung
- Gut Dokumentiert

Authentication – auth0



← Back to Applications



Website-Tracker

Regular Web Applications

Client ID

nzTsIW6XbJZv271QrRIHhTHbqEEsHJto

Quickstart

Settings

Credentials

APIs

Addons

Connections

Organizations

Connections are sources of users. They are categorized into Database, Social and Enterprise and can be shared among different applications.

Database



Username-Password-Authentication
Database



Social



google-oauth2
Google / Gmail



windowslive
Microsoft



Users

+ Create User

An easy to use UI to help administrators manage user identities including password resets, creating and provisioning, blocking and deleting users.

[Show more](#)

Search for users

Search by: User

Reset

Name	Connection	Logins	Latest Login	
 simon.ott1@gmx.ch simon.ott1@gmx.ch	google-oauth2	16	11 minutes ago	...
 Patrik Ndue ost.pnd@gmail.com	google-oauth2	2	14 hours ago	...
 Mario mario.huber@ost.ch	google-oauth2	9	a day ago	...
 Simon Meier ttonomis@gmail.com	google-oauth2	6	5 days ago	...
 Simon Ott ei@hotmail.ch	windowslive	1	2 months ago	...
 ei@hotmail.ch ei@hotmail.ch	Username-Password-Authenti...	1	2 months ago	...
 simon.ott@ost.ch simon.ott@ost.ch	Username-Password-Authenti...	1	2 months ago	...
 simon.ott1@gmx.ch simon.ott1@gmx.ch	Username-Password-Authenti...	1	2 months ago	...

Fazit / mögliche Erweiterungen

- Auth0 fertig einbinden
- Multiuser Support aktivieren
- Weitere Datasources hinzufügen
- Automatisiertes Pull & Push -> ArgoCD