



PUZZLE ITC
changing IT for the better

Publiccode.yml

Code finden, statt neu erfinden

DINAcon 2025

18.11.2025

Nice to meet you



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Open Source Enthusiast

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Alle Puzzlers
<https://www.puzzle.ch/de/team>

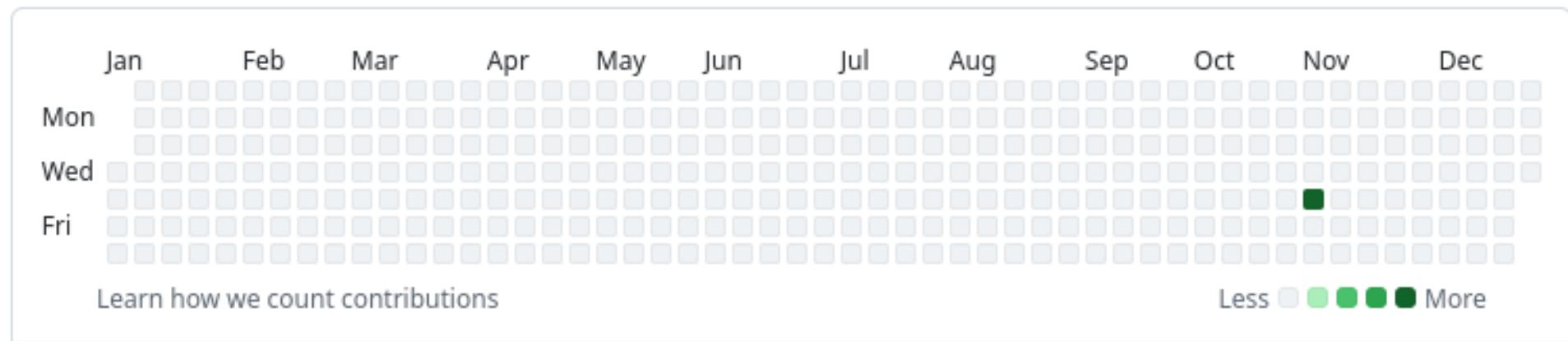
Aus dem Leben..



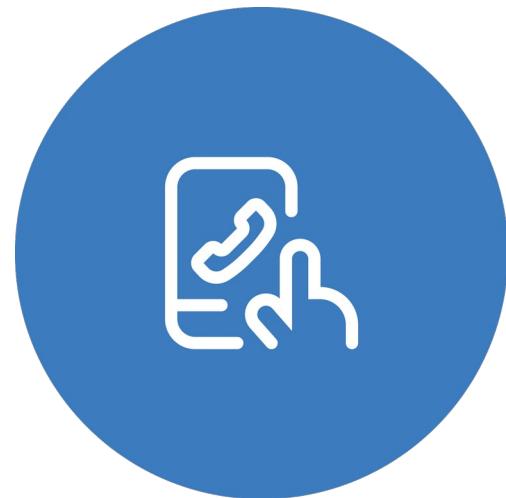
Was passiert bei einer Veröffentlichung?

1 contribution in [REDACTED]

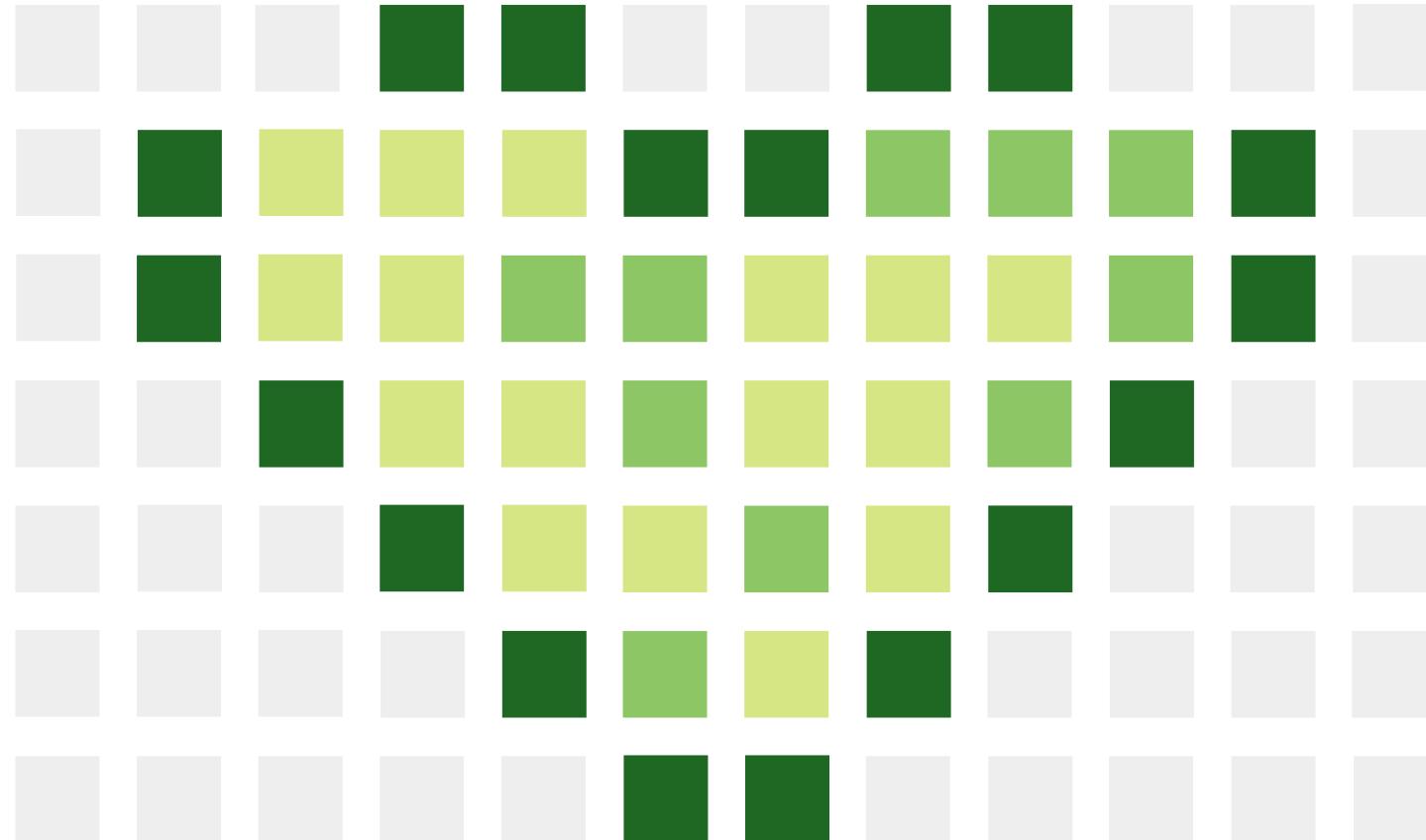
Contribution settings ▾



Aber dann.. plötzlich!



Was wir wollen:



Open Source Software

Wie kommt es zu einer Wiederverwendung? (in der Bundesverwaltung)

Ausgangslage Bundes- verwaltung

Herausforderung

- Keine Übersicht:
40+ GitHub-Organisationen,
300+ Repositories,
+n weitere Repositories
- Schwierige Auffindbarkeit,
fehlende zentrale Sichtbarkeit

Zielsetzung Bundes- verwaltung

- Wir wissen wer und was als Open Source Software publiziert wurde
- Wir finden Open Source Lösungen
- Wir können Open Source wiederverwenden

Mögliche Lösungen

Geprüfte Vorgehen

- Meldung an zentrale Stelle (z.b. Formular oder i14y)
- Alles in eine zentrale „Super-Git-Instanz“ zusammenführen
- Bestehende Verzeichnisse nutzen

Open Source Software

Publiccode.yml Standard

<https://yml.publiccode.tools/>

Achtung publiccode.yml ist nicht
<https://www.publiccode.net/>

Publiccode.yml

```
! publiccode.yml
1  publiccodeYmlVersion: 0.5.0
2  name: Open Source Guidelines
3  url: https://github.com/swissopensource-guidelines
4  landingURL: https://www.bk.admin.ch/bk/de/home/digitale-transformation-ikt-lenkung/b
5  softwareVersion: "1.0"
6  releaseDate: 2024-10-02
7  platforms:
8    - web
9  categories:
10   - document-management
11 developmentStatus: stable
12 softwareType: standalone/other
13 organisation:
14   uri: https://ld.admin.ch/FCh
15   name: Bundeskanzlei
16 description:
17   en:
18     localizedName: Open Source Guidelines
19     shortDescription: This repository contains evolving drafts of guidelines and
20       tools to support the Federal Administration in publishing open source
21       code.
22     longDescription: >-
23       **Tools for Publishing Open Source Software**
24
25       Federal agencies are required to disclose the source code of software they
26       develop or have developed to fulfill their duties. They must allow anyone
27       to use, further develop, and distribute the software without charging
28       licensing fees. This requirement is outlined in Article 9 of the Federal
29       Act on the Use of Electronic Means for Fulfilling Administrative Tasks
30       (EMOTA). Responsibility for implementation lies with the individual
31       agencies. The Federal Chancellery provides suitable tools to assist
32       federal agencies in meeting this requirement.
33
```

Metadaten im Publiccode.yml

- Titel und Beschreibung des Projekts oder Produkts (in einer oder mehreren Sprachen);
- Entwicklungsstatus (z. B. Konzept, Entwicklung, Beta, stabil, veraltet);
- Kontaktdaten der Stelle, die die Codebasis veröffentlicht hat;
- Kontaktdaten des Maintainers (Wartungsverantwortlichen)
- Informationen über den rechtlichen Kontext
- Abhängigkeiten (dependencies)
- und vieles mehr.

Eigenschaften publiccode.yml

- Ein definierter Metadaten Standard
- International verbreitet
- Länderspezifische Erweiterungen möglich
- Für Menschen und Maschinen lesbar
- 100% dezentral

Geschichte



Publiccode.yml und OSS Katalog

Formular

Ausfüllen, herunterladen ...

Publiccode File

Im Repo hochladen ...

OSS Katalog

Holt sich File und zeigt es an

publiccode.yml Editor

Inglese aggiungi lingua al file publiccode.yml..

Nome del software * STAR! Suite

Il nome del software con il quale la maggior parte delle persone si riferisce a esso. Nel caso in cui il software abbia sia un nome in "codice" interno allo commerciale, usa il nome commerciale.

Nome Localizzato (in inglese) * The STARstandard defines a format for the long-term archival of relational database systems.

Il nome del software in una lingua specifica. È il nome con il quale la maggioranza delle persone normalmente si riferisce al software. Nel caso in cui il software abbia sia un nome "interno" che uno commerciale, usa quello commerciale.

Documentazione (in inglese) https://github.com/sfa-star/star-suite/tree/main/docs/user-manual/

L'URL alla documentazione lato utente (non lo sviluppatore) navigabile utilizzando un comune browser web.

Funzionalità * Add feature

Una lista di feature del software, che descrive le funzionalità lato utente offerte dallo stesso. Il numero di feature suggerito da elencare è tra 5 e 20, a seconda della dimensione del software e della sua complessità.

Video Add video

Uno o più URL di video che mostrano il funzionamento del software per dare una rapida panoramica sull'aspetto e le funzionalità del software. I video devono essere ospitati su una piattaforma di video sharing che supporta lo standard di embed: le opzioni più popolari sono YouTube e Vimeo. Dal momento che costituisce parte integrante della documentazione, è opportuno che i video sia pubblicato con una licenza aperta.

Premi Add

Una lista di premi assegnati al software.

Descrizione Estesa (in inglese) *

Reposta Carica Genera

```
! publiccode.yml
1   publiccodeYmlVersion: 0.5.0
2   name: Open Source Guidelines
3   url: https://github.com/swissopensource/guidelines
4   landingURL: https://www.bk.admin.ch/bk/de/home/digitalisierung/standards/standards.html
5   softwareVersion: "1.0"
6   releaseDate: 2024-10-02
7   platforms:
8     - web
9   categories:
10    - document-management
11   developmentStatus: stable
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20       longDescription: >-
21         **Tools for Publishing Open Source Software**
22
23         Federal agencies are required to disclose the software they have developed or have been developed to fulfill their duty to use further developed and distribute the software.
24
25         The guidelines define how to publish open source software in a way that is accessible and useful for others.
26
27         The guidelines also provide recommendations for how to handle intellectual property rights and other legal issues related to publishing open source software.
```

Bundeskanzlei BK

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

OSS Catalog

2024 | 1.0 | CC0-1.0

Open Source Guidelines

This repository contains evolving drafts of guidelines and tools to support the Federal Administration in publishing open source code.

<https://github.com/swissopensource/guidelines.git>

AGPL-3.0-or-later

OSS Catalog POC

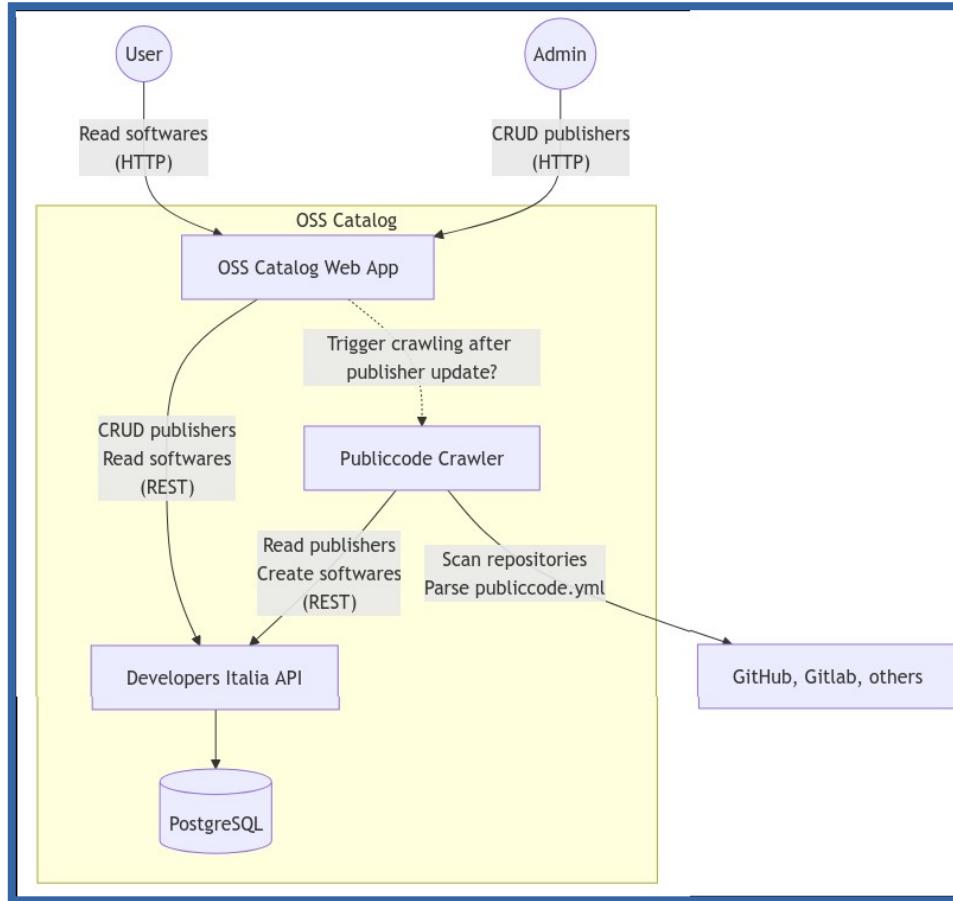
Proof-of-concept for an Open Source software catalog based on the Publiccode standard.

<https://github.com/puzzle/oss-catalog.git>

Read more →

Read more →

Architektur von OSS Katalog



Aktueller Stand OSS-Katalog (Beta)

The screenshot shows the homepage of the Swiss Federal Office (Bundeskanzlei BK) OSS-Katalog (Beta). The page features a dark header with the Swiss coat of arms, the text "Schweizerische Eidgenossenschaft", "Confédération suisse", "Confederazione Svizzera", and "Confederaziun svizra", and the word "Bundeskanzlei BK". A language selector "DE" is in the top right. The main content area has a light gray background. It includes a section titled "OSS-Katalog" with a sub-section about software disclosure requirements. A red button labeled "Software erfassen →" is visible. A "Filter" dropdown menu is set to "Alle". Three software entries are listed in cards:

- OSS Catalog POC**
AGPL-3.0-or-later
Proof-of-concept for an Open Source software catalog based on the Publiccode standard.
[Mehr anzeigen →](#)
- publiccode editor**
2025 | 2.1.0 | AGPL-3.0-or-later
Ein Web-Editor zur Erstellung und Validierung von publiccode.yml-Dateien.
[Mehr anzeigen →](#)
- jeap-open-api-publisher-starter**
2025 | 1.2.0 | Apache-2.0
Publishes a jEAP application's OpenAPI specification to the jEAP Architecture Repository Service at startup.
[Mehr anzeigen →](#)

Interoperabler Standard

interoperable europe

Policy Solutions Support Centre Governance Academy Sign in Get started

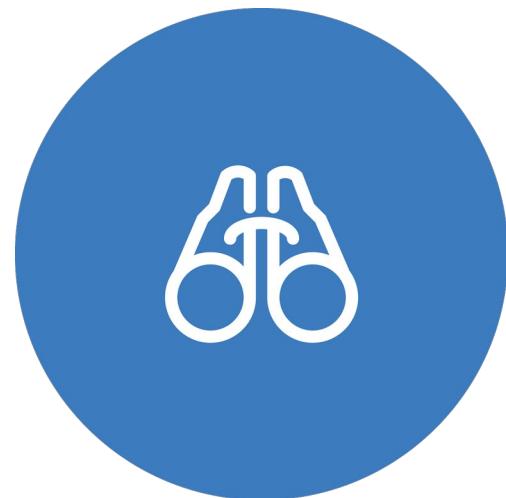
EU OSS Solutions Catalogue Federation Requirements

The Federation and integration of a National/Local Catalogue into the EU OSS Catalogue are made possible by the following architectural conditions and technical constraints:

1. Each National / Local OSS Catalogue should be a collection of OSS Solutions developed "by and for" public sector bodies and stored in public GIT repositories;
2. Each OSS public GIT repository should implement the **publiccode.yml** metadata standard: this ensures that each OSS Solution has its specific qualification in the context of Public Services (more info on this below);
3. Each National / Local OSS Catalogue should provide a publicly accessible API that can provide the list of its OSS public GIT URLs: this condition allows the EU OSS Catalogue to federate (fetch and continuous synchronise) from original sources catalogs;

```
graph TD; EU([EU OSS Solutions Catalogue]) -- "Public API" --> X([National OSS Solutions Catalogue X]); EU -- "Public API" --> Y([National OSS Solutions Catalogue Y]); EU -- "Public API" --> Z1([Regional / Local OSS Solutions Catalogue Z]); EU -- "Public API" --> Z2([Regional / Local OSS Solutions Catalogue Z]); X --> R1([Public GIT Repo with publiccode.yml]); X --> R2([Public GIT Repo with publiccode.yml]); X --> R3([Public GIT Repo with publiccode.yml]); Y --> R4([Public GIT Repo with publiccode.yml]); Y --> R5([Public GIT Repo with publiccode.yml]); Y --> R6([Public GIT Repo with publiccode.yml]); Z1 --> R7([Public GIT Repo with publiccode.yml]); Z1 --> R8([Public GIT Repo with publiccode.yml]); Z1 --> R9([Public GIT Repo with publiccode.yml]); Z2 --> R10([Public GIT Repo with publiccode.yml]); Z2 --> R11([Public GIT Repo with publiccode.yml]); Z2 --> R12([Public GIT Repo with publiccode.yml]);
```

Ausblick



Learnings

1. **Grazie Mille:** Open Source funktioniert über Länder hinweg (geschätzte 300k Einsparungen).
2. **Öffentlicher Entwicklung:** von externen Leistungserbringer geschätzt und sie sind damit bestens vertraut.
3. **Gelebte Open Source Kultur:** Weiterentwicklungen des Standards und Bugfixes fliessen Upstream zurück.
4. **Gelebte digitale Souveränität:** Kein Vendor Lock-in, offene Standards, flexible Weiterentwicklung.

Open Source Software

Publiccode.yml
Code finden, statt neu
erfinden!

Merci!

Mehr Informationen zu Puzzle:
www.puzzle.ch

