OpenChain Tooling Work Group - Overview

https://oss-compliance-tooling.org/
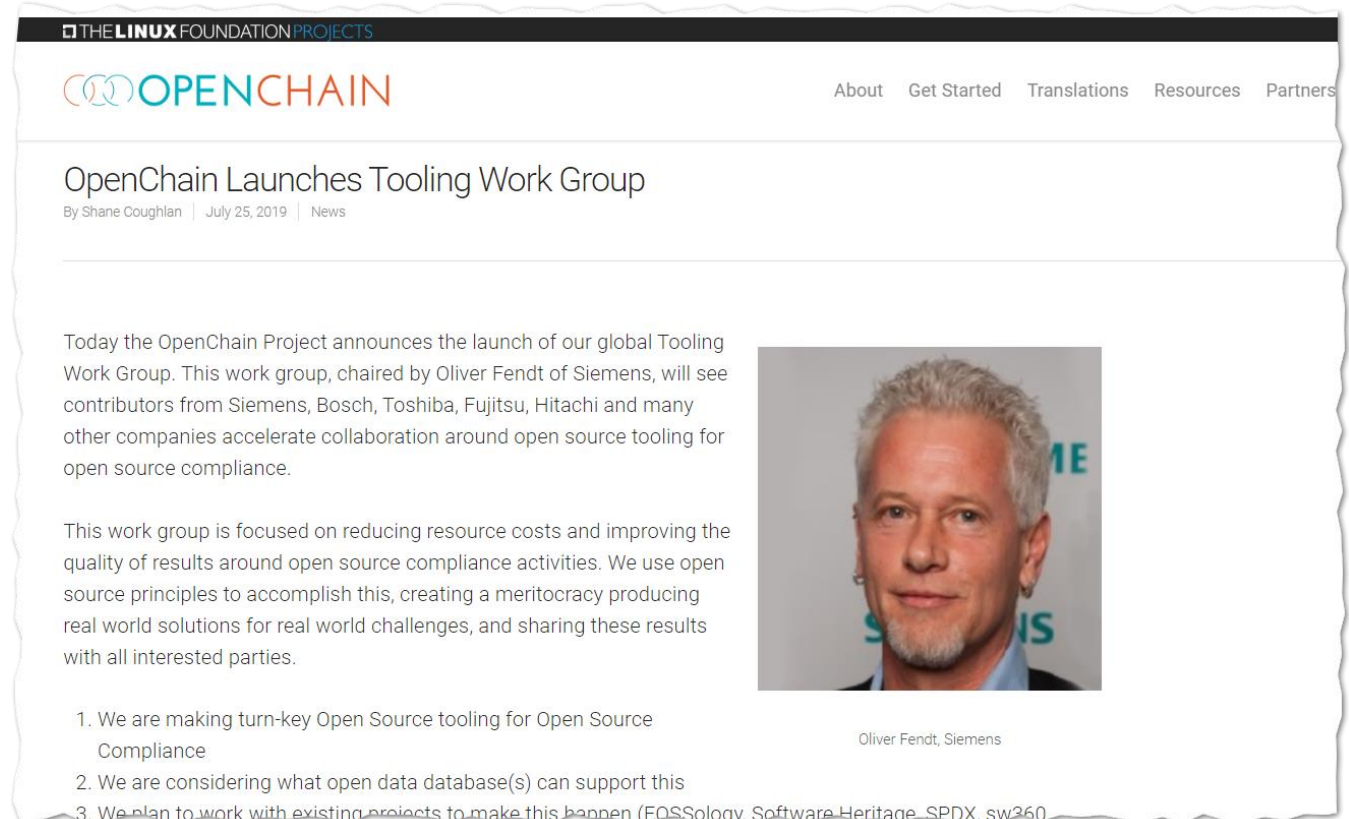
Introduction

- Reducing resource costs and improving the quality of results

- Uses open source principles to accomplish the objective

- A meritocracy producing real world solutions for real world challenges and it shares results to all interested parties.

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OpenChain Launches Tooling Work Group

By Shane Coughlan | July 25, 2019 | News

Today the OpenChain Project announces the launch of our global Tooling Work Group. This work group, chaired by Oliver Fendt of Siemens, will see contributors from Siemens, Bosch, Toshiba, Fujitsu, Hitachi and many other companies accelerate collaboration around open source tooling for open source compliance.

This work group is focused on reducing resource costs and improving the quality of results around open source compliance activities. We use open source principles to accomplish this, creating a meritocracy producing real world solutions for real world challenges, and sharing these results with all interested parties.

1. We are making turn-key Open Source tooling for Open Source Compliance
2. We are considering what open data database(s) can support this
3. We plan to work with existing projects to make this happen (FOSSology, Software Heritage, SPDX, sw360

Oliver Fendt, Siemens

Hierachry

- The OpenChain Project maintains the standard for open source compliance in the supply chain.

- The OpenChain Project has various Work Groups where volunteers work on specific compliance challenges.

- We use the Sharing Creates Value GitHub Repository and OSS Compliance Tooling mailing list.
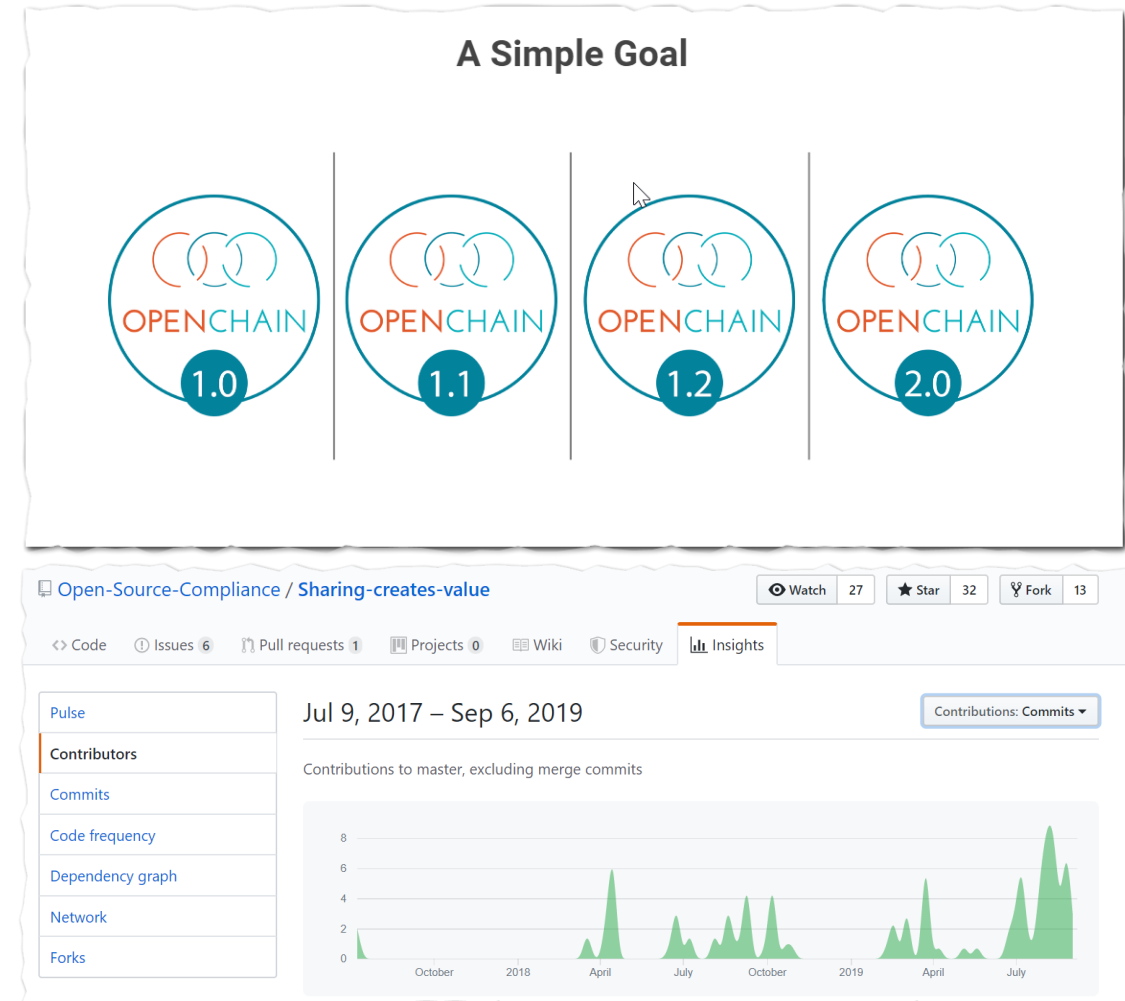
Integrated, automated – end to end OSS compliance toolchain made with OSS
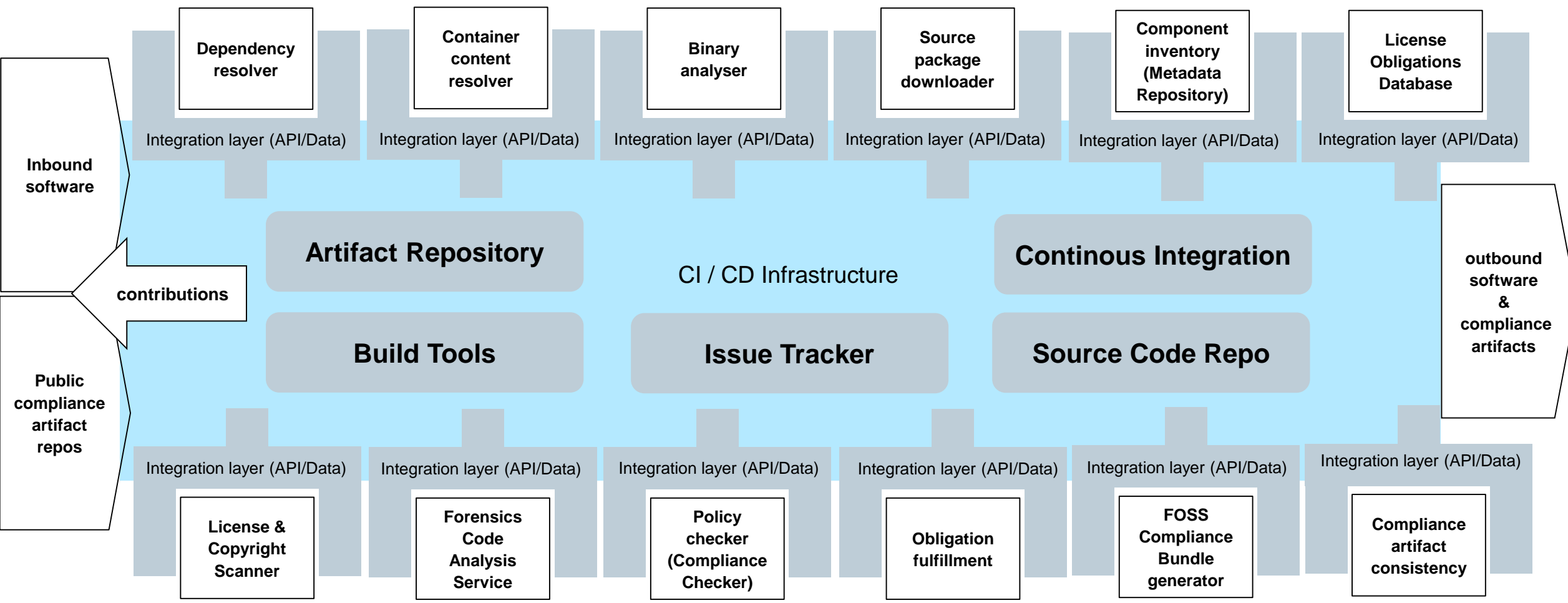
To build an integrated end to end compliance toolchain is not about to build a monolithic monster, it is about to use current available Open Source tools and define and implement the needed APIs/Data structures they need to provide in order to plug them into the current set up CI/CD workflow and to enable them to trigger other Open Source compliance tools in a way that they seamlessly interact which each other and potential external data sources.
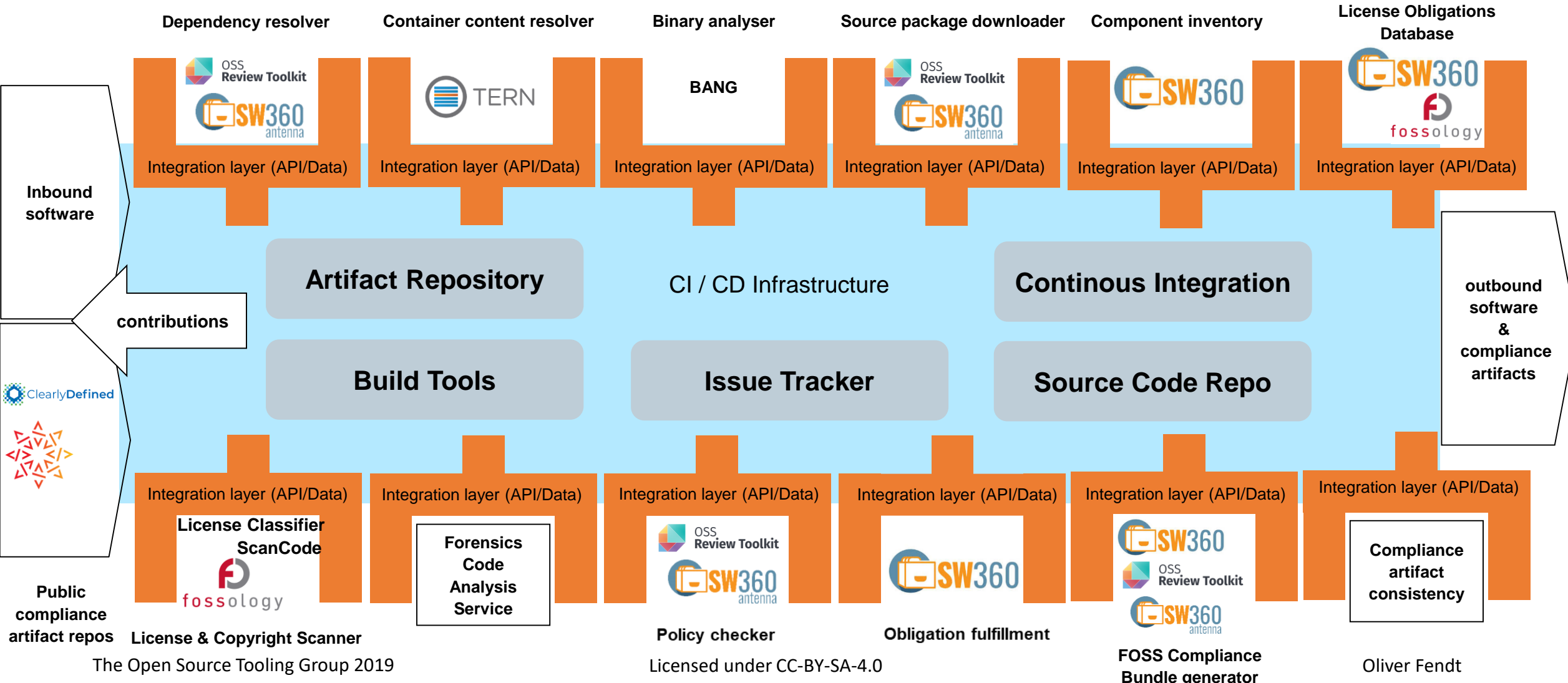
The already existing projects remain independent projects

Provide easy to use functional blocks

Big Picture – Integrated Compliance Toolchain

Open Source Tooling Group

Dependency resolver

Container content resolver

Binary analyser

Source package downloader

Component inventory (Metadata Repository)

License Obligations Database

Integration layer (API/Data) Integration layer (API/Data) Integration layer (API/Data) Integration layer (API/Data) Integration layer (API/Data) Integration layer (API/Data)

Inbound software

contributions

Public compliance artifact repos

Artifact Repository

CI / CD Infrastructure

Continous Integration

Build Tools

Issue Tracker

Source Code Repo

outbound software & compliance artifacts

Integration layer (API/Data) Integration layer (API/Data) Integration layer (API/Data) Integration layer (API/Data) Integration layer (API/Data) Integration layer (API/Data)

License & Copyright Scanner

Forensics Code Analysis Service

Policy checker (Compliance Checker)

Obligation fulfillment

FOSS Compliance Bundle generator

Compliance artifact consistency

Big Picture – Integrated Compliance Toolchain Instance

Open Source Tooling Group

Dependency resolver

OSS Review Toolkit
SW360 antenna

Integration layer (API/Data)

Container content resolver

TERN

Integration layer (API/Data)

Binary analyser

BANG

Integration layer (API/Data)

Source package downloader

OSS Review Toolkit
SW360 antenna

Integration layer (API/Data)

Component inventory

SW360

Integration layer (API/Data)

License Obligations Database

SW360
fossology

Integration layer (API/Data)

Inbound software

contributions

Artifact Repository

CI / CD Infrastructure

Continous Integration

Build Tools

Issue Tracker

Source Code Repo

outbound software & compliance artifacts

ClearlyDefined

Public compliance artifact repos

Integration layer (API/Data)

License Classifier ScanCode

fossology

License & Copyright Scanner

Integration layer (API/Data)

Forensics Code Analysis Service

Integration layer (API/Data)

OSS Review Toolkit
SW360 antenna

Policy checker

Integration layer (API/Data)

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Obligation fulfillment

Integration layer (API/Data)

SW360
OSS Review Toolkit
SW360 antenna

FOSS Compliance Bundle generator

Integration layer (API/Data)

Compliance artifact consistency

The Open Source Tooling Group 2019

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Oliver Fendt

What we do

We are making turn-key Open Source tooling for Open Source Compliance

• Identify the functional blocks required

• Identify the workflows

• Identify the required data and data flows

• Implement provide the needed APIs (as contributions)

• Provide the glue code

• Testing the glue code

• Provide easy to deploy building blocks

• Provide tests for the entire reference toolchain

• Documentation

• Spread the word

Fixed meeting dates/times

Date:

1st and 3rd Wednesday of the month

Time:

0900 am – 1000 am GT | 0600 – 0700 pm GT

Invitations are send to the mailing list

Links / Communication

Website:

https://oss-compliance-tooling.org/

Github:

https://github.com/Open-Source-Compliance/Sharing-creates-value

Slack:

https://join.slack.com/t/ossbasedcompl-bhx9742/shared_invite/enQtNzA5OTc3OTAwMjExLWNhYWVkZDk2Y2RlNDI4ODI2NzQyNDU5ZWE4ODRmZWI1ZmM1MzA4ZTc2MTdkZGFhMzc2NmUyODRhNDZjNWI5Njc

Mailing List:

Subscription page: https://groups.io/g/oss-based-compliance-tooling

Email address: oss-based-compliance-tooling@groups.io

The Open Source Tooling Group

We are focused on building a turnkey OSS compliance toolchain with OSS tools as an OSS project. To accomplish this we:

Use existing tools, which all remain independent

Provide the concepts and glue code to hook them easily together or to be integrated easily in any existing environment

Provide reference workflows, that can be easily adapted to serve own needs

Provide the tools hooked together as a reference toolchain that can be used without fees by everybody

World wide footprint

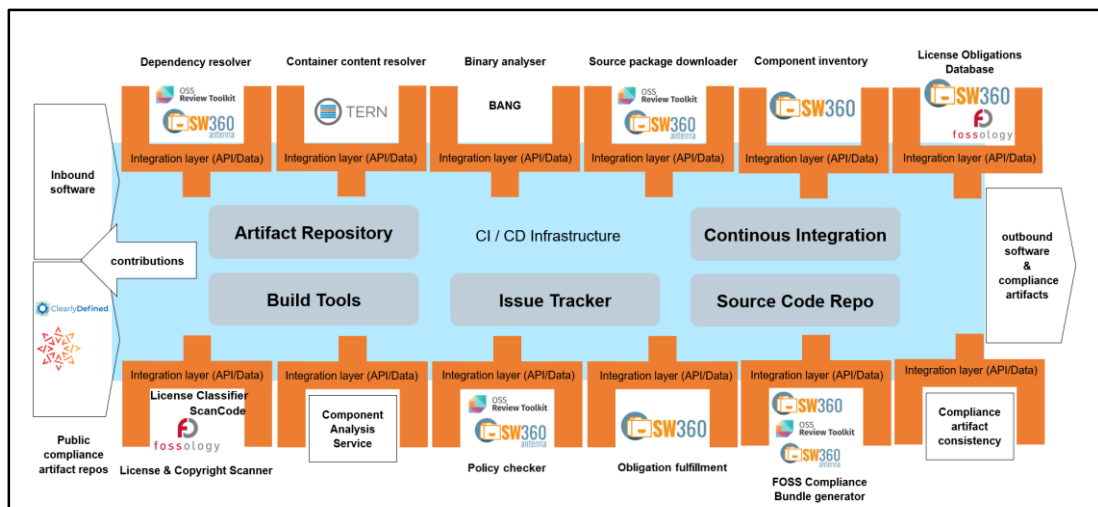Join us and create with us a new era of OSS compliance

Github:
https://github.com/Open-Source-Compliance/Sharing-creates-value
Mailing List:
Subscription page: https://groups.io/g/oss-based-compliance-tooling
Online meetings:
Bi-weekly - Invitations are send to the mailing list
Website:
https://oss-compliance-tooling.org/

Credits

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