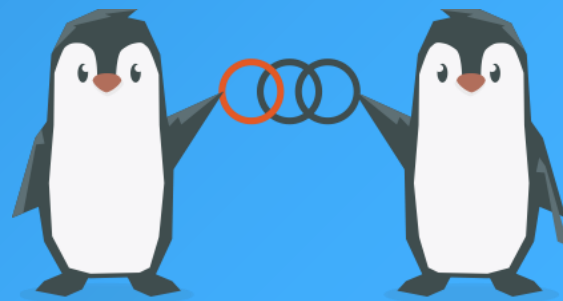


OpenChain Project

Understanding How We Build A More Trusted Open Source Supply Chain



OpenChain Vision + Mission

Our vision is a trusted supply chain and our mission is to make that happen.

The purpose of the OpenChain Project is to align industry around standardized approaches to process management. This is to reduce risk, reduce costs and increase speed.

We create trust by improving compliance. We started with license compliance and expanded into security compliance. Our execution mechanism is normalization (community) and embedding (procurement).

Everything we have created – standards, community and reference material – is in service of our purpose and our mission.



Project Charter:

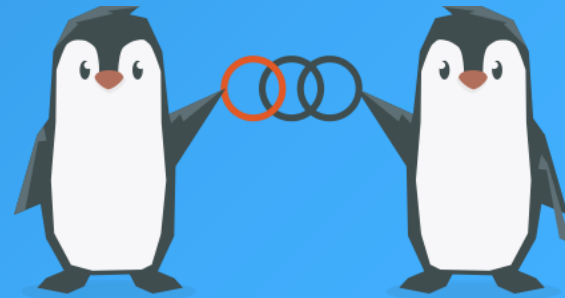
<https://github.com/OpenChain-Project/Project-Charter-And-Agreements/blob/master/Project-Charter/OpenChain-Charter-March2020.pdf>

Platinum Members (Governing Board)

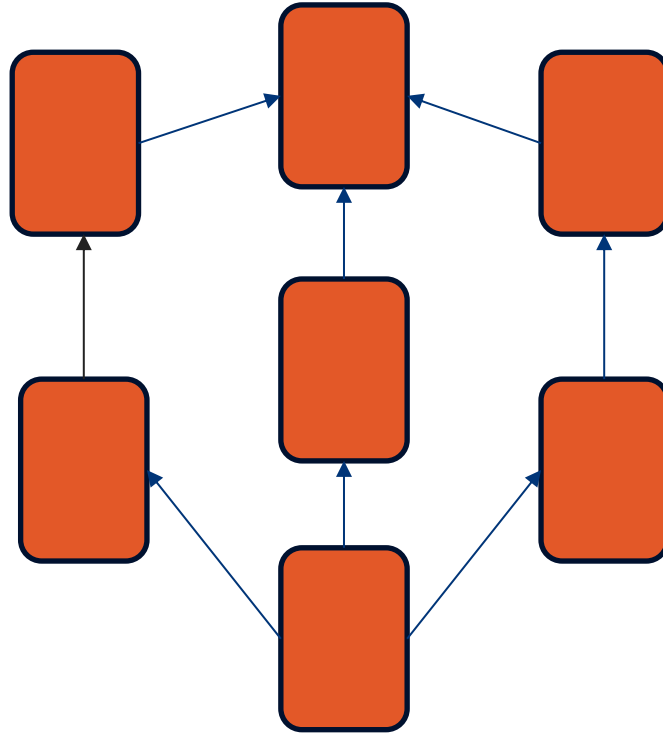


Members Represent Trillions In USD Market Value

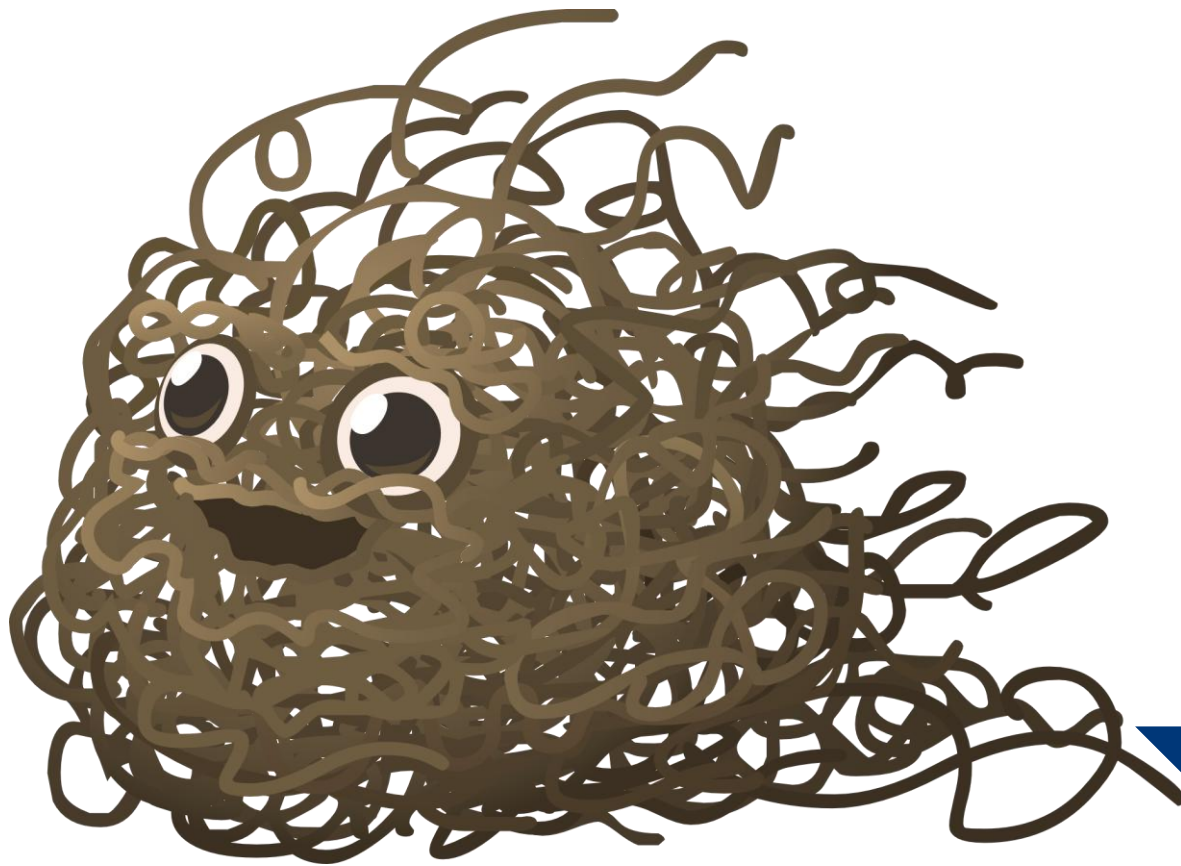
Project Overview



Our Mental Model Of The Supply Chain



The Actual Supply Chain

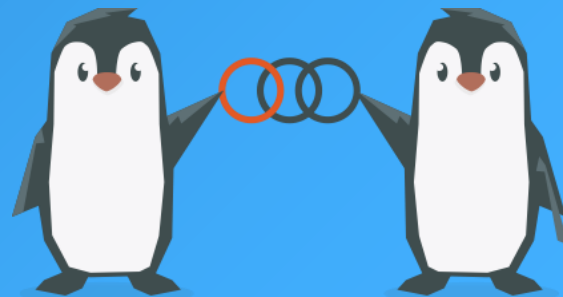


Global Codebase Statistics

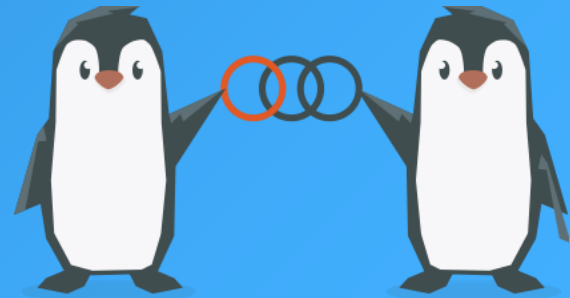
Over 93% use open source

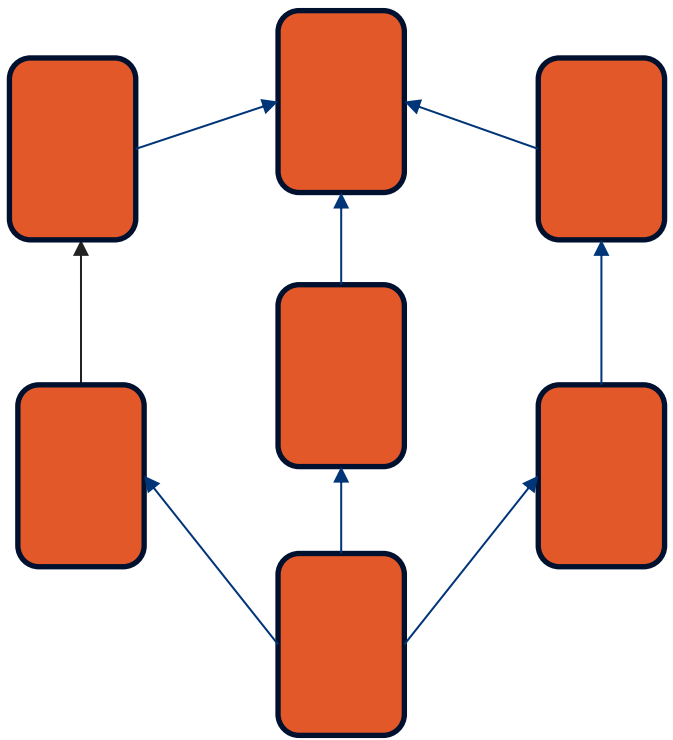
53% have license compliance issues

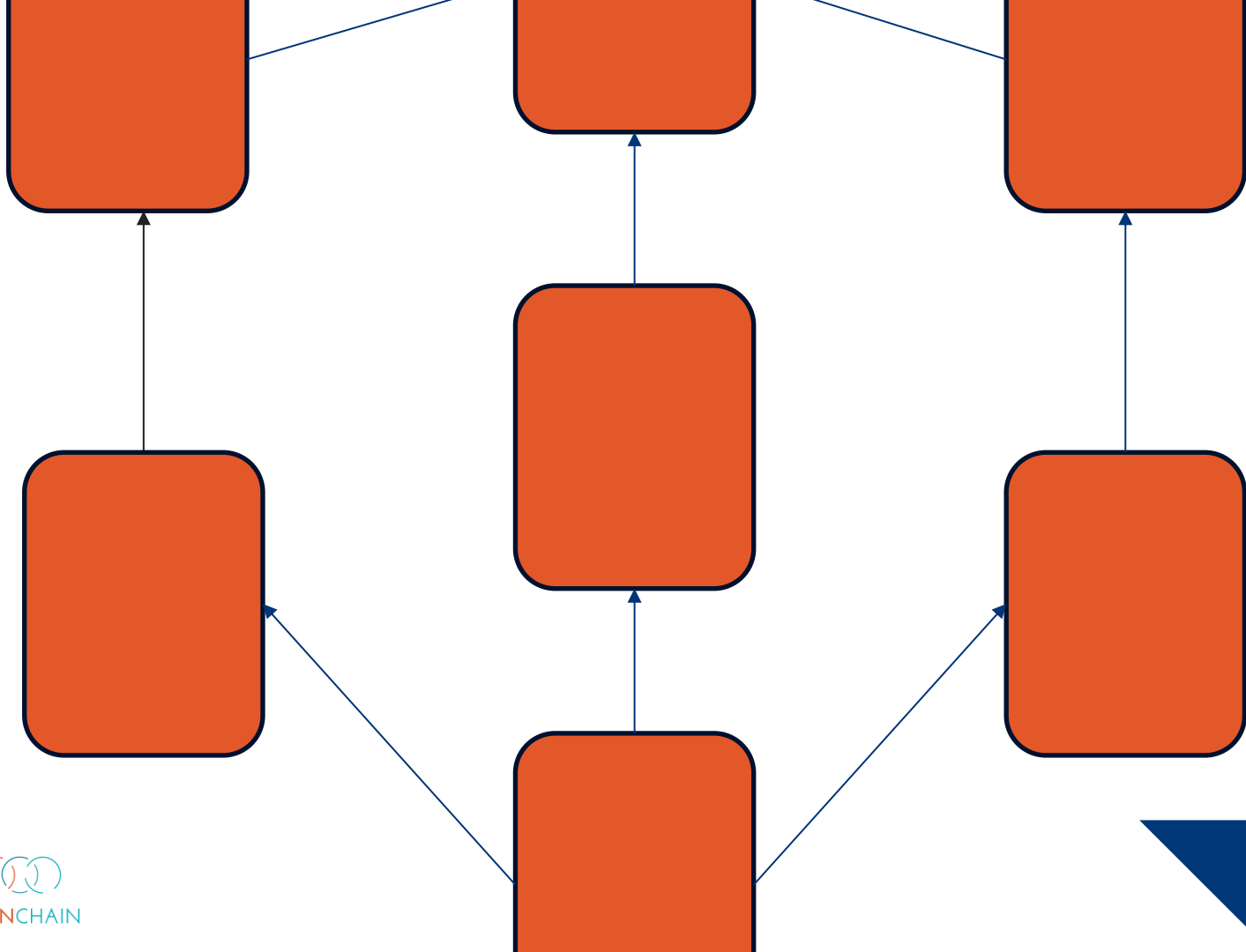
81% have security issues

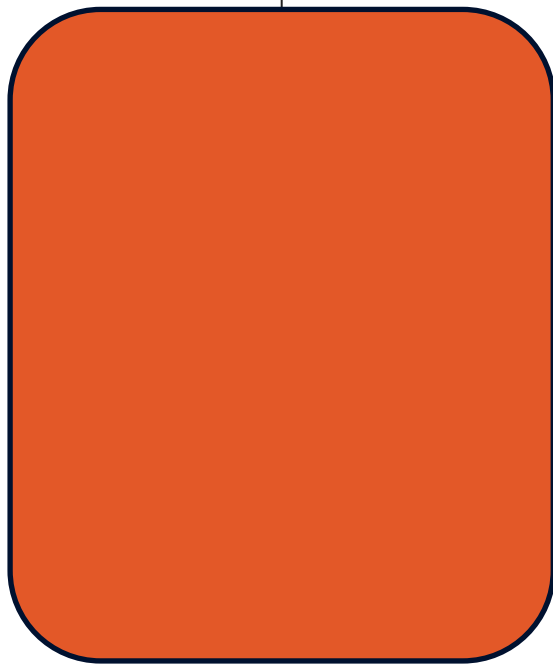


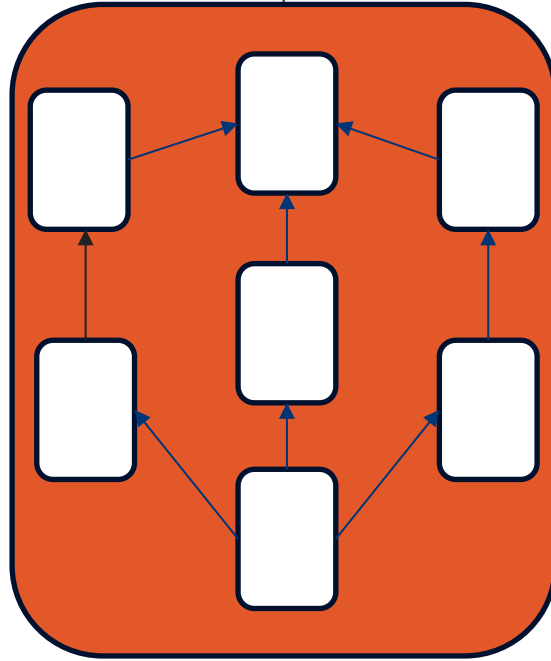
Not All Supply Chains Are External

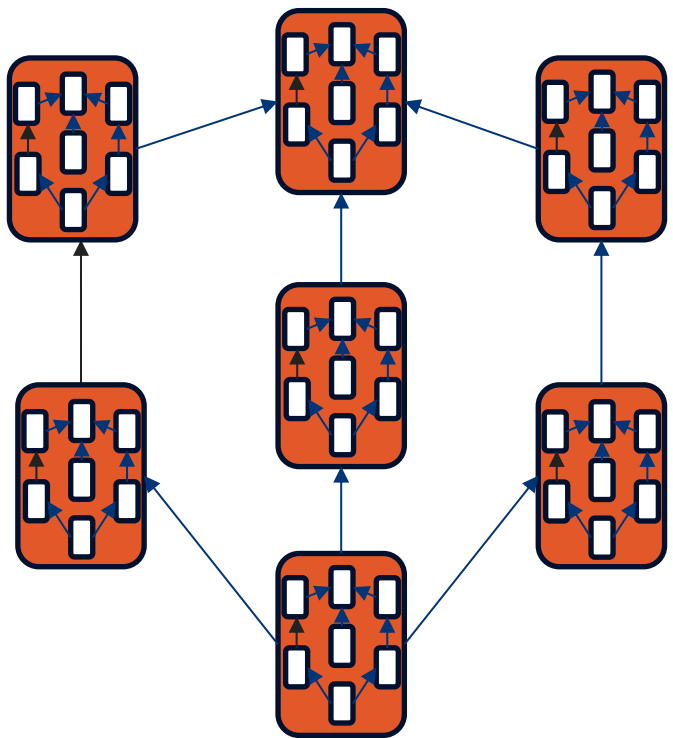




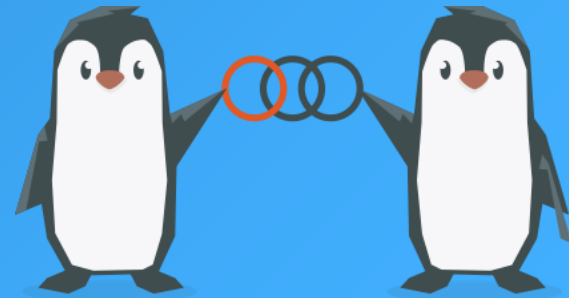




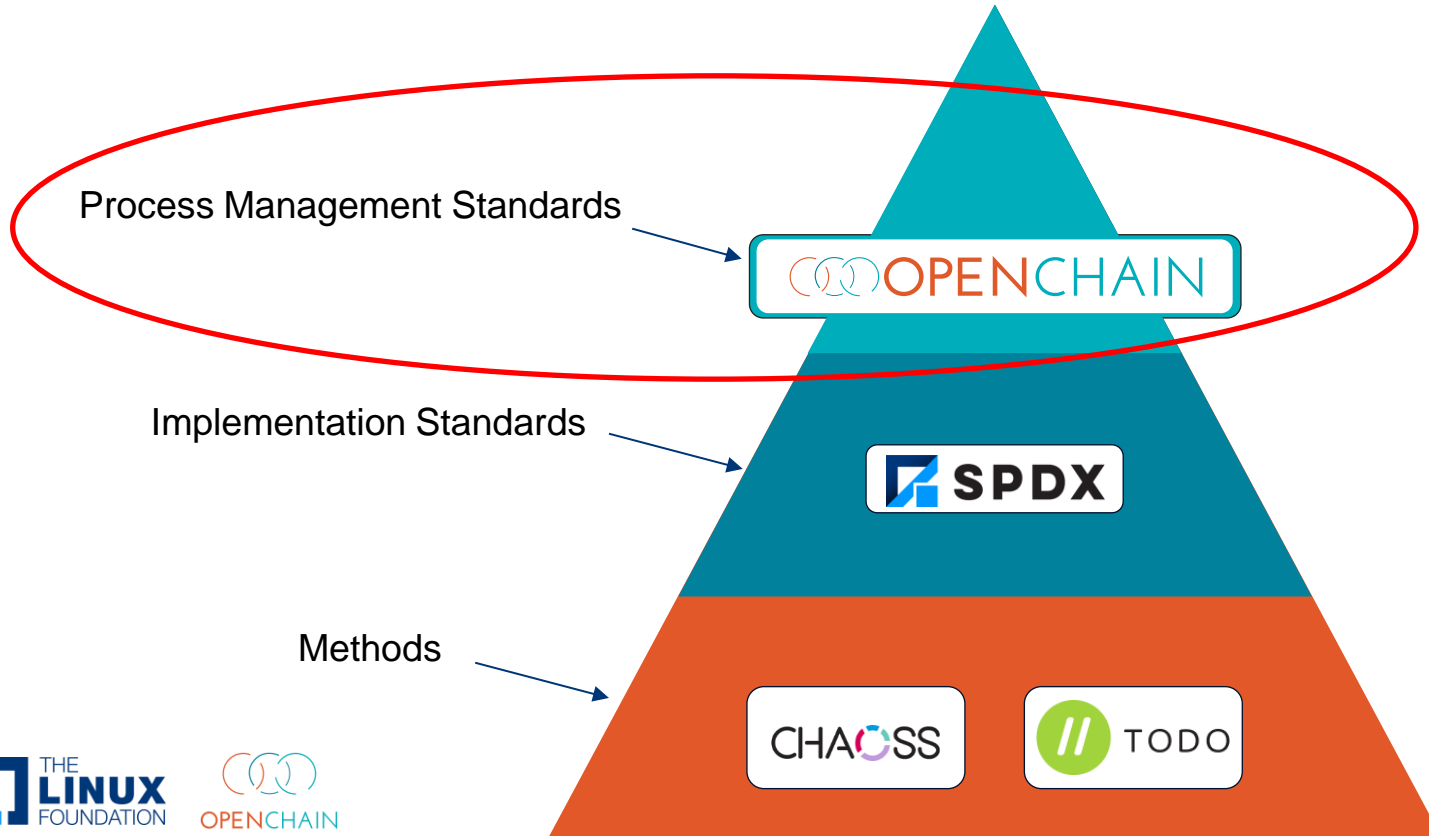




Internal / External... They are all the Supply Chain



High Level Solution – Process Approach



Trust Built By Process Management

OpenChain ISO/IEC 5230:2020

International Standard for open source license compliance.

OpenChain ISO/IEC 18974:2023

International Standard for open source security assurance.

High level process standards

Simple, effective and suitable for companies of all sizes in all markets

Openly developed by a vibrant user community and freely available to all

Sister Standards - Processes for Programs

ISO/IEC 5230 (License Compliance)



ISO/IEC 18974 (Security Assurance)



Flexible program size

Covering:

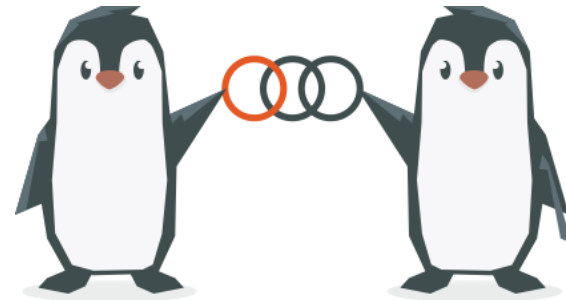
- Inbound processes
- Internal processes
- Outbound processes

Standards about process ***points***

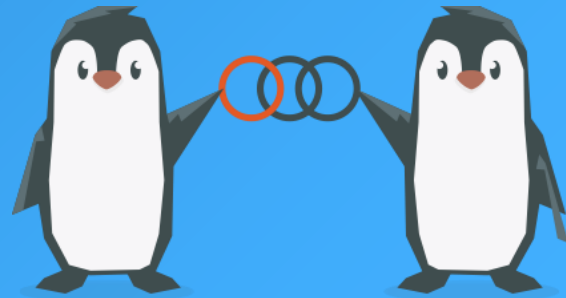
Not about process ***content***

ISO standards are a reputable shorthand in discussions, negotiations and contracts, allowing everything from “expected structure” to “what is a quality program” to be communicated easily.

The OpenChain standards are the *international baseline* for quality in open source license compliance or security assurance programs.



Progress Around Our Standards

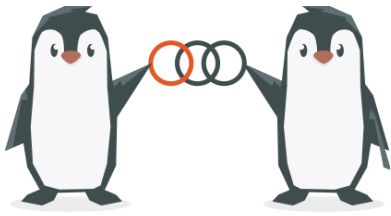


A Continual Heartbeat Of Adoption

OpenChain standards are built, used
and supported by all industries

Recent adoption announcements:





Data Point

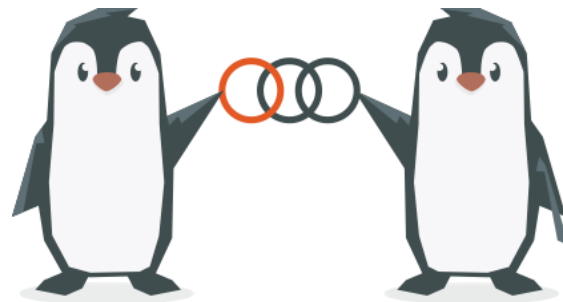
31%

of large German companies already use or plan to adopt OpenChain ISO/IEC 5230





ZF has announced an OpenChain ISO/IEC 5230 conformant program



ZF Third-Party Certification Process



ZF is a global leader in driveline, chassis, and safety technology, focusing on electrification and autonomy.



Challenges

- ISO 5230 maintenance
- Secure open source
- Process improvement
- Compliance management



Support by

TIMETOACT

PART OF TIMETOACT GROUP

- **Maturity analysis**
Evaluation of current open-source compliance
- **Gap analysis and closure**
Identification and closing of compliance gaps
- **Audit and ISO/IEC 5230 certification** Support by ARS for auditing and certification



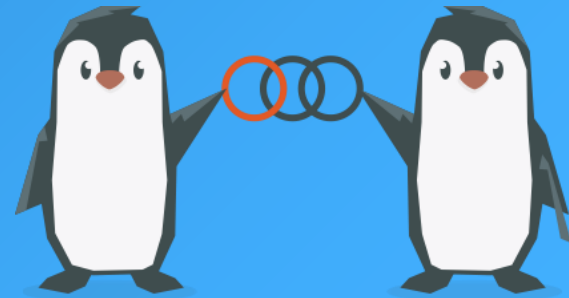
Results and Added Values

- Final audit rating of 90%
- **ISO/IEC 5230 certification** achieved in record time
- Strengthening of industry **image** and risk minimization
- Improved internal **efficiency** and strong awareness for open-source compliance
- Improved **quality standards**
- International recognition and competitive **advantages**
- Increased operational efficiency and **risk reduction**



5230

Adoption Methods



How Are OpenChain Standards Adopted?

- There are several mechanisms for the adoption of OpenChain Standards
- The most common way is self-certification
- Another way is third-party certification

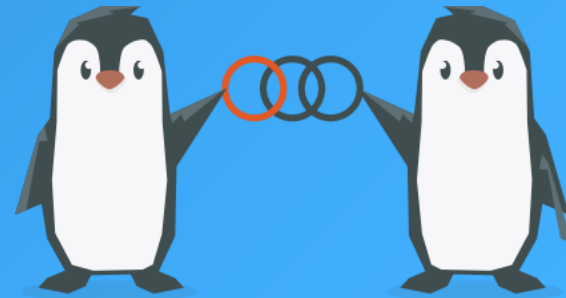
Self-Certification – Rationale and Effectiveness

- Self-certification to an OpenChain standard (and any other standard) involves an entity reviewing material, deciding that they meet the requirements it describes, and then advertising that fact.
- OpenChain provides extensive resources to help with this, such as self-certification checklists.
- The OpenChain standards are explicitly designed to work effectively with self-certification because:
 - They require a company to keep records of how they certified and details of each point (verification materials)
 - They are designed for supply chain procurement, with an expectation that customer companies can and will audit supplier company verification materials at the time of their choosing
- This has proven effective, and no purposeful attempts to “cheat” have been reported to us since our public launch in 2016.

Third-Party Certification – Rationale

- Third-party certification to an OpenChain standard (and any other standard) one legal entity with appropriate permission in the local jurisdiction to certify that another legal entity meets the requirements of the relevant standard.
- This is a common approach in regulation-heavy industries such as automotive around standards such as ISO 26262 (functional safety).
- Because OpenChain produces ISO standards, it supports and follows the same type of third-party certification processes used by other ISO standards.
- Third-party certifiers such as Bureau Veritas and PwC support OpenChain standards.

Support Network



We Have Community Study and Work Groups

Core Work Groups

Education (Autumn 2020~)

Specification (Spring 2016~)

Community Work Groups

Automation (Summer 2019~)

Community Study Groups

AI (January 2024~)

SBOM (July 2024~)

Industry-Specific Work Groups

Automotive (Summer 2019~)

Telecom (Spring 2021~)

Regional User Groups

China (Sept 2019~)

Germany (Jan 2020~)

India (Sept 2019~)

Japan (Dec 2017~)

Korea (Jan 2019~)

Taiwan (Sept 2019~)

UK (June 2020~)



We Have Free Reference Material

The OpenChain Project has extensive reference material:

- Reference open source training slides
- Policy template material
- Supplier education material
- Self-certification checklists and questionnaires
- + many, many more documents



We Have Commercial Support

Third-Party Certification



Tooling / Automation



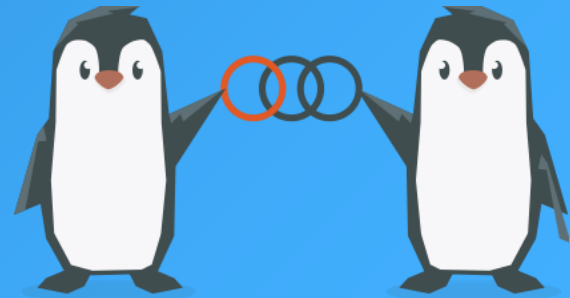
Legal Providers



Consultancies



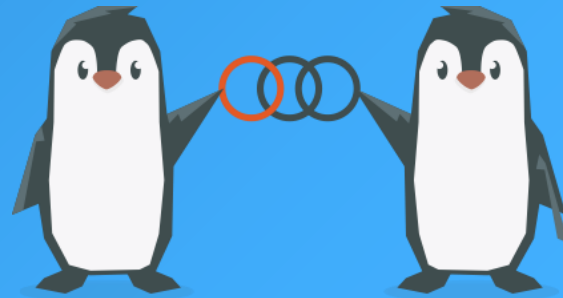
Relationship with Other Standards



Wide Compatibility

- OpenChain standards are compatible with all compliance standards, security standards and SBOM formats that we are aware of.
- In general, OpenChain standards are designed to work with all other standards related to open source process management or solution implementation.
- The goal is to be practical and useful for companies of all sizes and in all markets.

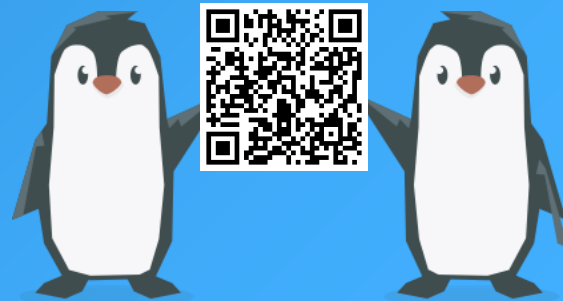
Supporting Regulation



Addressing the CRA

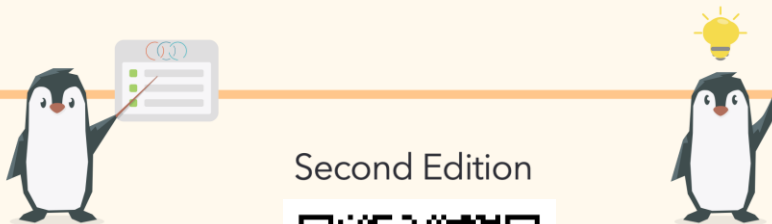
- OpenChain ISO/IEC 5230 and ISO/IEC 18974 asked for record-keeping before Cyber Resiliency Act (CRA) made it into a requirement.
- OpenChain ISO/IEC 5230 and ISO/IEC 18974 require companies to create and archive verification materials around open source license compliance and security assurance.

Example Reference Material



Recent Releases

Managing Your Open Source Software
Supply Chain:
A Guide From The OpenChain Project



Second Edition



OpenChain Telco SBOM Guide:
A Guide From The OpenChain Project



Case Studies

CERTIFICATE

ARS Computer und Consulting GmbH hereby certifies that the company



IAV GmbH
Carriotsstraße 1
10587 Berlin

has implemented an Open Source Compliance Management System at the stated location for the activities named in the scope.

As one of the global leading engineering and technology partners of the automotive industry, IAV is developing the digital mobility of the future. The company has been developing innovative concepts, methods, and solutions for 40 years.

IAV combines the best from different worlds: the automotive and IT worlds, hardware and software, as well as product and service worlds. In addition to vehicle and drive development, the company has early invested in areas such as e-mobility and autonomous driving and is today one of the leading technology providers in these fields.

Scope of Application

Consulting, development, engineering and test services, production of test and inspection equipment, as well as product development as a tech solution provider for the automotive industry and other sectors, including all supporting processes.

A third-party audit has provided proof that the management system has been fully implemented in compliance with the requirements of

ISO/IEC 5230

Compliance is verified annually through a surveillance audit.

OpenChain as part of the Linux Foundation is responsible for maintaining ISO / IEC 5230 and ISO / IEC 18974. TIME TO ACT follows in its certification process the requirements as set by OpenChain.



Certification date: April 25, 2024
This certificate is valid until: April 25, 2027
Audit report number: OS2404K1

Franziska Köhler
ARS Computer & Consulting GmbH
Compliance Management



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How OpenChain Supports the British NHS



AB EHR Digital
Electronic Health Records

Source Code Control
Electronic Health Records



TOYOTA

How OpenChain Supports Interneuron



Interneuron



OpenChain 3rd Party Certification with PwC

Three-Way Case Study:

The use of ISO/IEC 5230:2020 by a company providing mission-critical services to enterprise clients around the world

BlackBerry, OSS Consultants and OpenChain

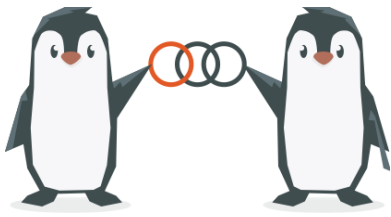


Training Courses

**Introduction to Open
Source License
Compliance
Management (LFC193)**

**Implementing Open
Source License
Compliance
Management (LFC194)**





Data Point

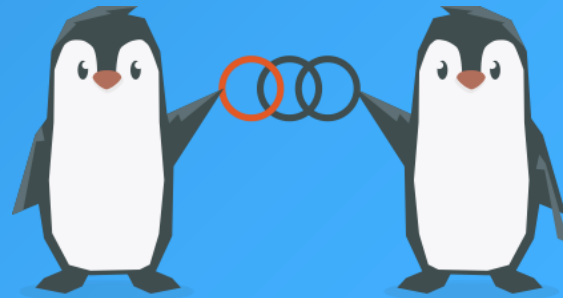
90+



Webinars covering all aspects of open source management and governance

<https://openchainproject.org/webinars>

Always Evolving



AI Work Group



Workshops and different timezone summary syncs are held once a month discussing AI Compliance in the supply chain. The study group is co-chaired by Matthew Crawford from Arm and David Marr from Qualcomm with a focus on identifying shared concerns across industries, and considering a guide about using AI BOM in the trusted supply chain.

April 2025



SBOM Study Group

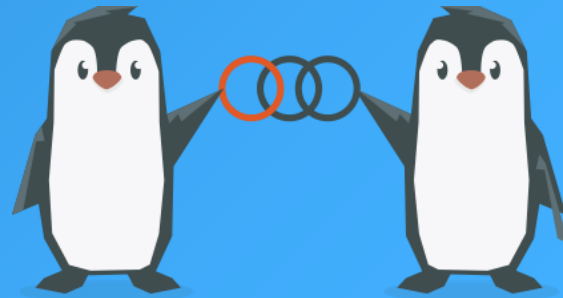


The OpenChain Project has required Software Bill of Materials for its standards since 2016. Over the years, we have contributed to the field by developing SPDX Lite (a simple SBOM for suppliers) and releasing a guide to define SBOM Quality. In July we launched a new monthly Study Group to bring all our various activities together and answer the question of “how do we use SBOMs in production?” Regular meetings started in September.

March 2025



In Conclusion



What Is Coming Next For The Market?

There is a steady, inevitable trend:

- Open source is becoming more professional
- Open source is becoming more accountable
- Open source is becoming more sustainable

In 2025 the OpenChain Project expects this trend to bring open source closer to traditional Software Asset Management (SAM).

What Will The OpenChain Project Do?

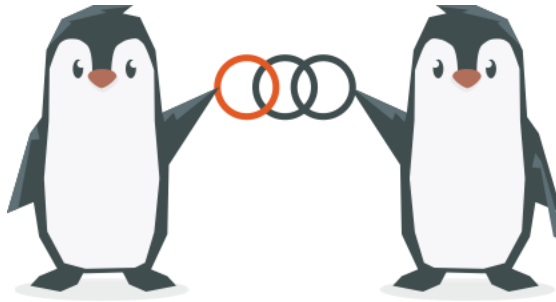
1. We will continue to assist in the professionalization of the supply chain, with specific impact in procurement, M&A and supply chain management
2. We will continue to grow our reference library of material to assist companies adopting and using our standards.
3. We will also support process management discussions in new domains like AI Compliance

Track All This Work

- Our calls are open and publicly listed.
- We publish a recording of every meeting not under Chatham House Rule.
- We provide access to work groups, special interest groups and local work groups via mailing list.
- We also use Slack and WeChat.



Let's Talk More



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+81 80 4035 8083

