



OPENCHAIN

Great Open Source Compliance For Everyone

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Largest Shared Technology Investment

The Linux Foundation supports the creation of sustainable open source ecosystems by providing financial and intellectual resources, infrastructure, services, events, and training. Working together, The Linux Foundation and its projects form the most ambitious and successful investment in the creation of shared technology.



16B USD

Estimated development cost of the
100+ world's leading projects
hosted at The Linux Foundation



25,000

Technologists attend our events
annually, from more than 4,500
companies and 85 countries



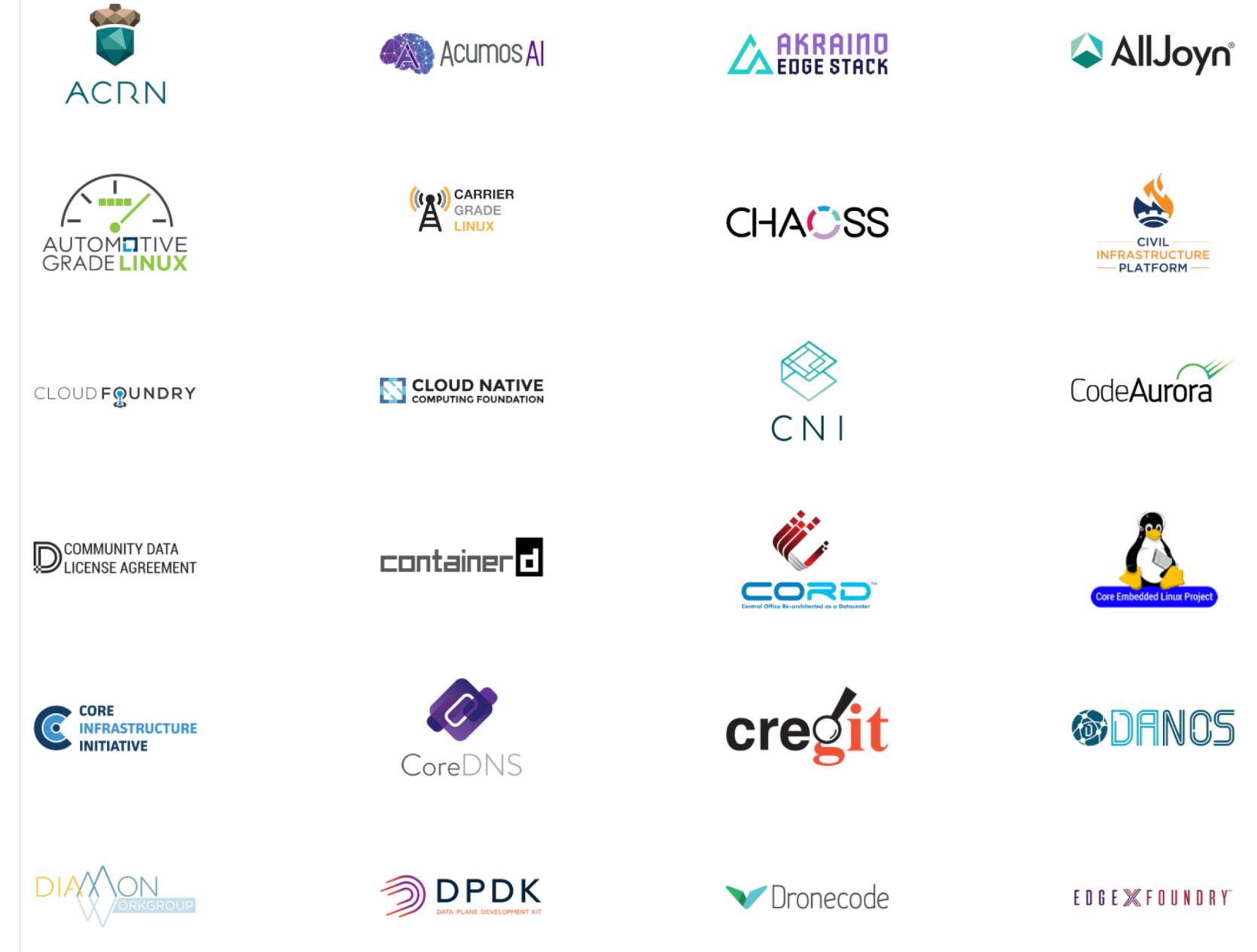
1 Million

Open source professionals have
enrolled in our free open source
training courses



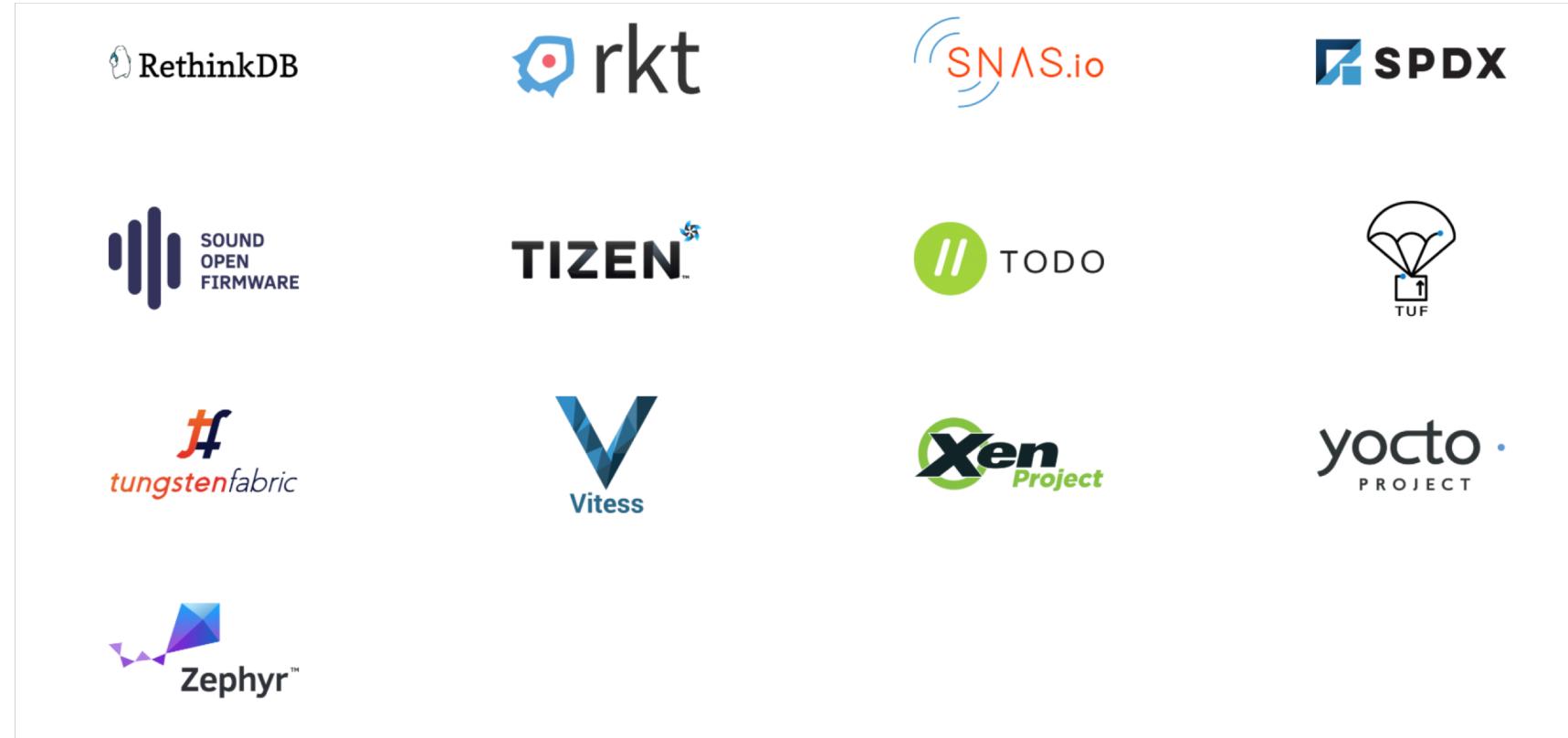
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Largest cloud service providers are
Linux Foundation project
contributors and members









Compliance – A gateway to access

Let's provide business context

The internal company dialogue...

We use Open Source and get billions of dollars of code

This code was created by other people

How we respect their rights?

How do we meet our legal requirements?

Welcome To The Stack



sw360portal



ScanCode toolkit

Software Package Data Exchange® (SPDX®)

is an open standard for communicating software bill of material information (including components, licenses, copyrights, and security references).



<https://www.spdx.org>



TODO

TALK OPENLY DEVELOP OPENLY

For companies committed to open source.

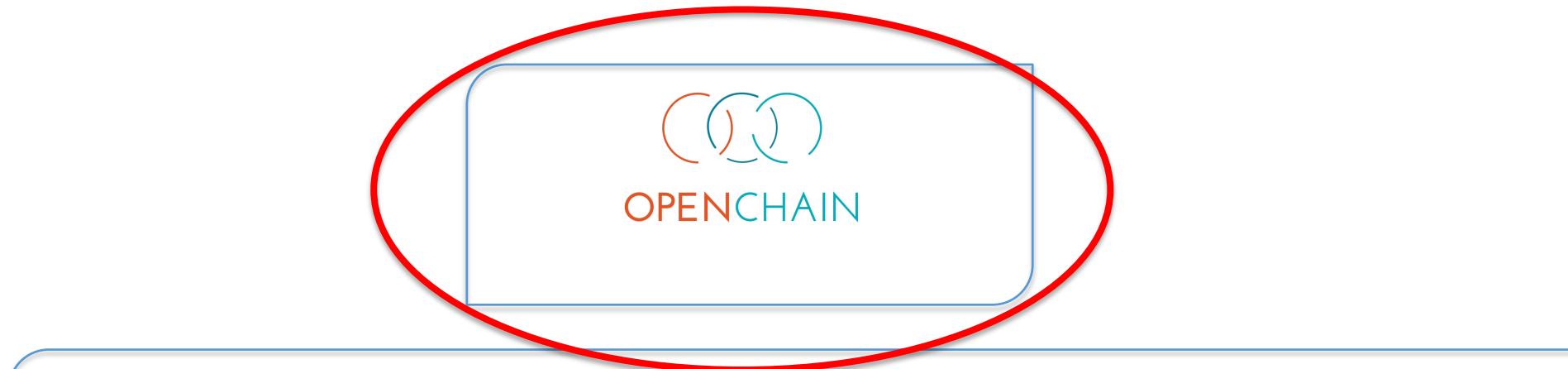
<http://www.todogroup.org>



Open Source License Compliance by Open Source Software

<https://www.fossology.org>

Welcome To The Stack



“How do I trust my open source supply chain?”

OpenChain Adoption – A Story of Levels

Level1
NOT understand
Importance of
OSS Compliance

- Join events
for Engineers/
Legal people/
IP people

- PR:
Traditional
Media/
Tech Media/
SNS

Level2
NOT understand
what to do

- Workshop

- Reference
Material
(Wiki/
Handbook/
Academic
paper)

Level3
NOT understand
how to do

- Consultation

- Training
support

Level4
Not Understand
how to get
certification

- Self
certification
support

- Third-party
certification

There are three parts to OpenChain Project:

1. Specification
2. Conformance
3. Curriculum

The OpenChain Specification defines the requirements for a quality compliance program.



The OpenChain Specification confirms a company has open source processes, policies and training.

Companies have the flexibility to decide each specific process, policies and training.

Common requirements for suppliers and customers makes everything simpler.

Learn more here:

<https://www.openchainproject.org/spec>

OpenChain Conformance allows organizations to show they meet these requirements.

▶ G1: Know Your FOSS Responsibilities	0 answered out of 8		
▶ G2: Assign Responsibility for Achieving Compliance	0 answered out of 7		
▼ G3: Review and Approve FOSS Content	0 answered out of 3		
#	Question	Answer	Spec Ref
3.a:	Do you have a documented procedure for identifying, tracking and archiving information about the collection of FOSS components from which a Supplied Software release is comprised?	Yes No	3.1.1
3.b:	Do you have FOSS component records for each Supplied Software release which demonstrates the documented procedure was properly followed?	Yes No	3.1.2
3.c:	Have you implemented a procedure that handles at least the following common FOSS license use cases for the FOSS components of each supplied Supplied Software release?		3.2.1

If a company can answer Yes to each question they are OpenChain Conformant.

Learn more here:

<https://www.openchainproject.org/conformance>

The OpenChain Curriculum provides reference open source processes and solutions.

Learn more here:

<https://www.openchainproject.org/curriculum>

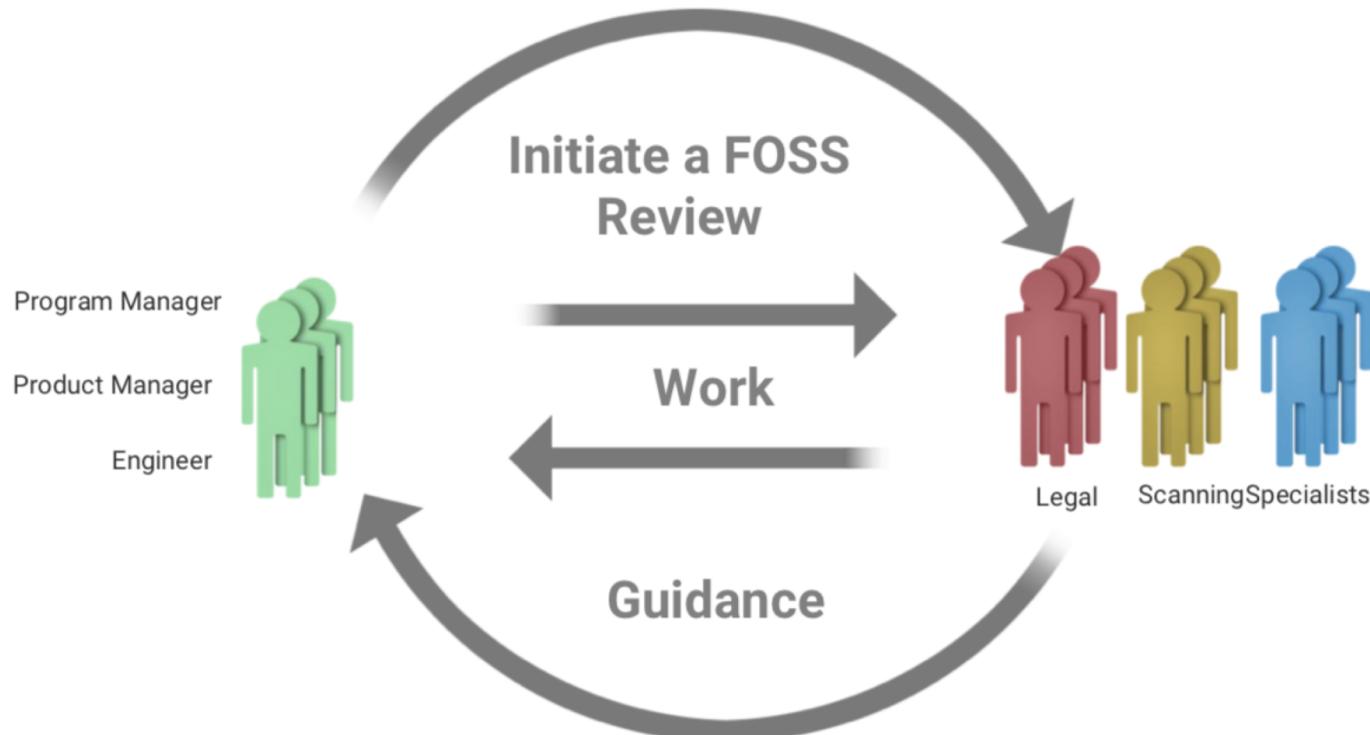
Contents

1. What is Intellectual Property?
2. Introduction to FOSS Licenses
3. Introduction to FOSS Compliance
4. Key Software Concepts for FOSS Review
5. Running a FOSS Review
6. End to End Compliance Management (Example Process)
7. Avoiding Compliance Pitfalls
8. Developer Guidelines

Check Your Understanding

- What type of material does copyright law protect?
- What copyright rights are most important for software?
- Can software be subject to a patent?
- What rights does a patent give to the patent owner?
- If you independently develop your own software, is it possible that you might need a copyright license from a third party for that software?
A patent license?

Working through the FOSS Review



The FOSS Review process crosses disciplines, including engineering, business, and legal teams. It should be interactive to ensure all those groups correctly understand the issues and can create clear, shared guidance.

The OpenChain Curriculum can be used for any open source training program.

Learn more here:

<https://www.openchainproject.org/curriculum>

The goal is to build trust by having organizations conformant with the OpenChain Specification.

Platinum Members



HITACHI
Inspire the Next

QUALCOMM[®]

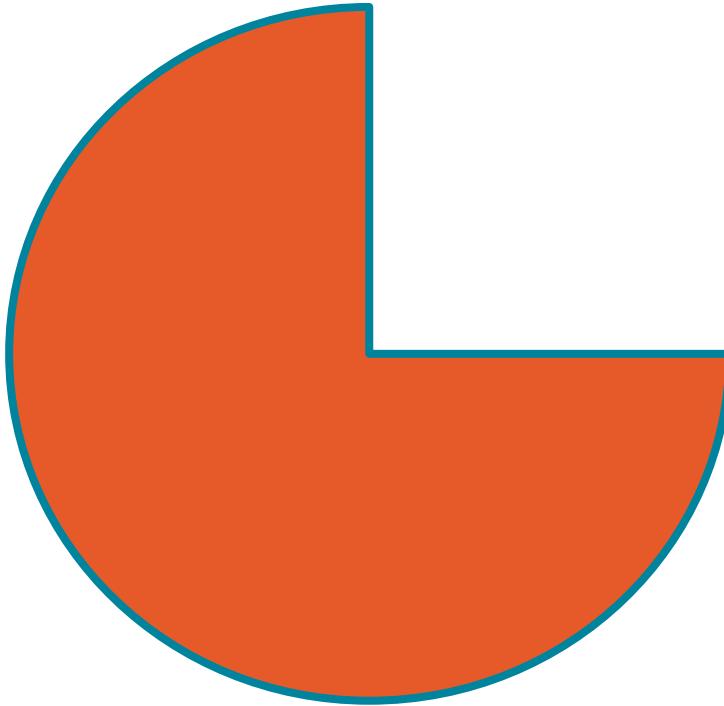
SIEMENS

SONY

TOSHIBA **TOYOTA**



Scale of Platinum Members:



Over \$750 Billion of Revenue

Organizations with a publicly announced OpenChain Conformant Program



>_ ENDOCODE



NODEWEAVER



QUALCOMM®

SIEMENS



Work Teams supporting OpenChain:

- 1.Specification - Chaired by Mark Gisi (Wind River)
- 1.Conformance - Chaired by Miriam Ballhausen (SCA)
- 1.Curriculum - Chaired by Alexios Zavros (Intel)
- 1.Onboarding - Chaired by Nathan Kumagai (Qualcomm)



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Miriam
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Gary O'Neill
Lead Developer

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Indira Bhatt
Community
Representative

[LinkedIn](#)

Progress Since Last Year

1. International Partners - from law firms to certification authorities

- Example: Moorcrofts - UK
- Example: TÜV SÜD - Germany and Japan

2. Significant New Board Members

- Example: Toshiba (more announcements shortly)

3. Significant New Community Members

- Example: Microsoft
- Example: Panasonic

4. A Move towards formal standardization

- Most likely PAS process for ISO - Launch ETA Q1 2020

Coming Soon

1. New Board Member Announcements
2. New Conformant Organization Announcements
3. New Partnership Announcements
4. Increasingly Powerful Positioning for Procurement
 - Standardization
 - Deployment by board members
 - Deployment by community members

Be part of this

Join the community:

<https://www.openchainproject.org/community>

Self-certify your organization:

<https://certification.openchainproject.org>



Questions?