



# 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

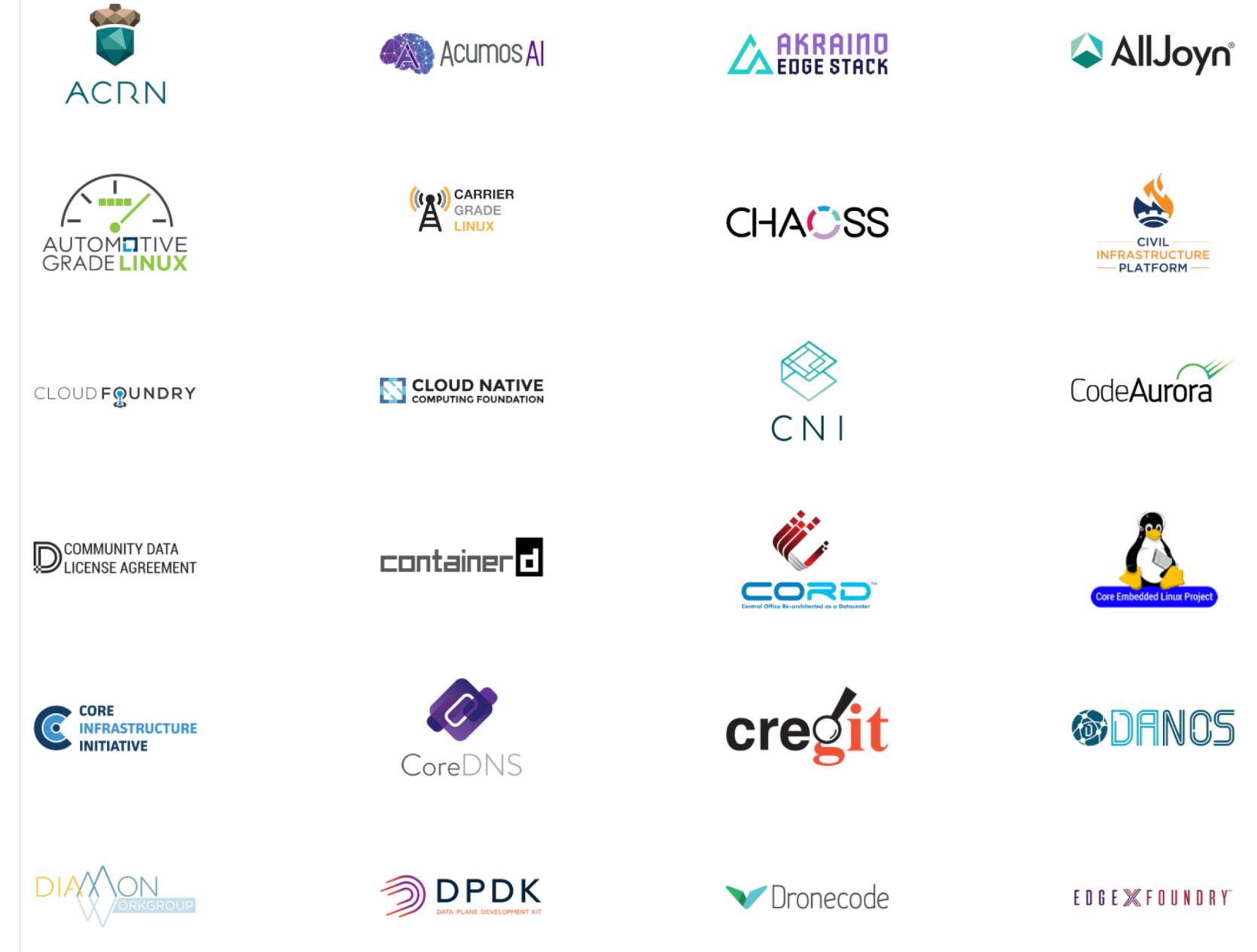


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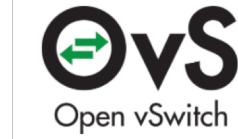
Largest cloud service providers are  
Linux Foundation project  
contributors and members



**OPENCHAIN**

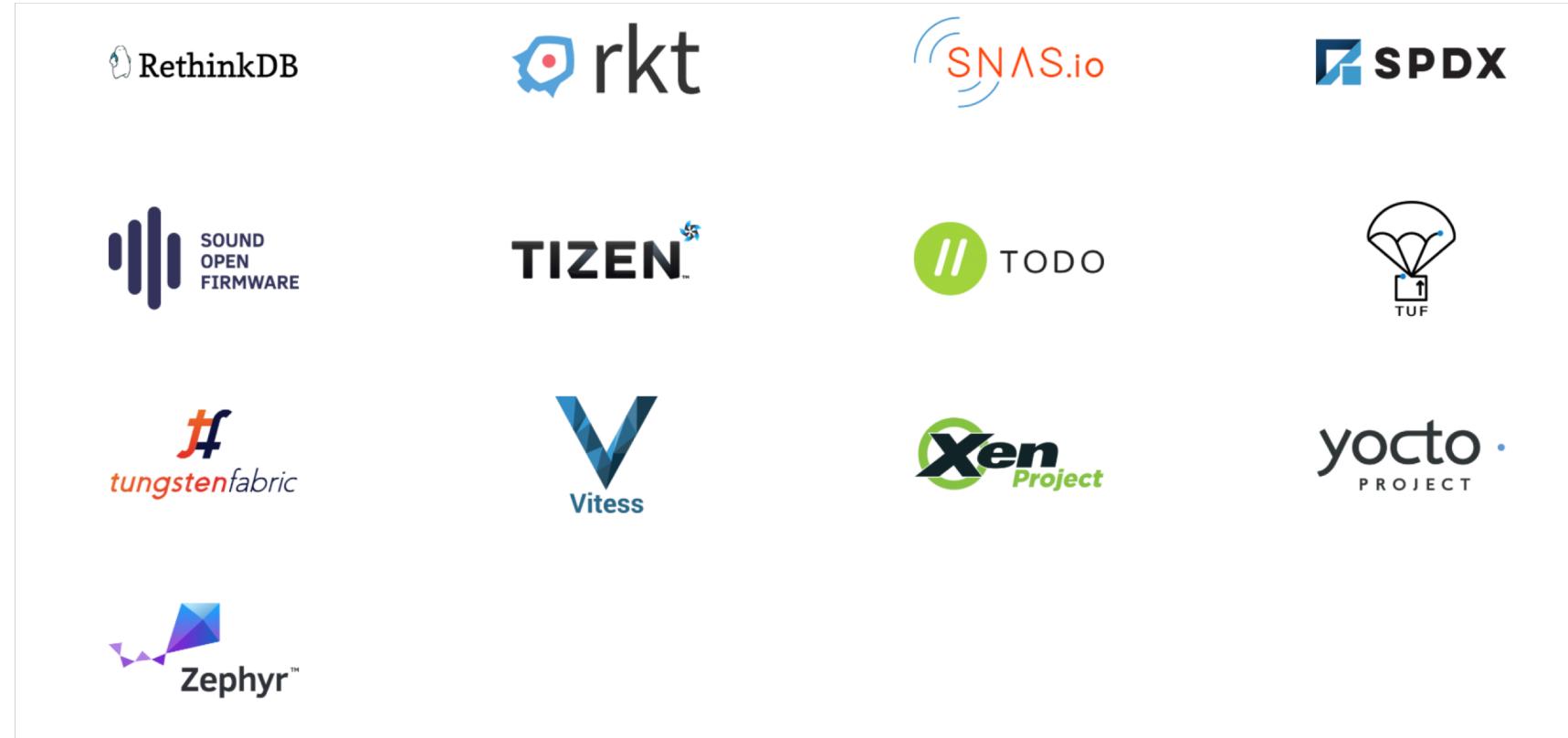






OpenPrinting





# 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.

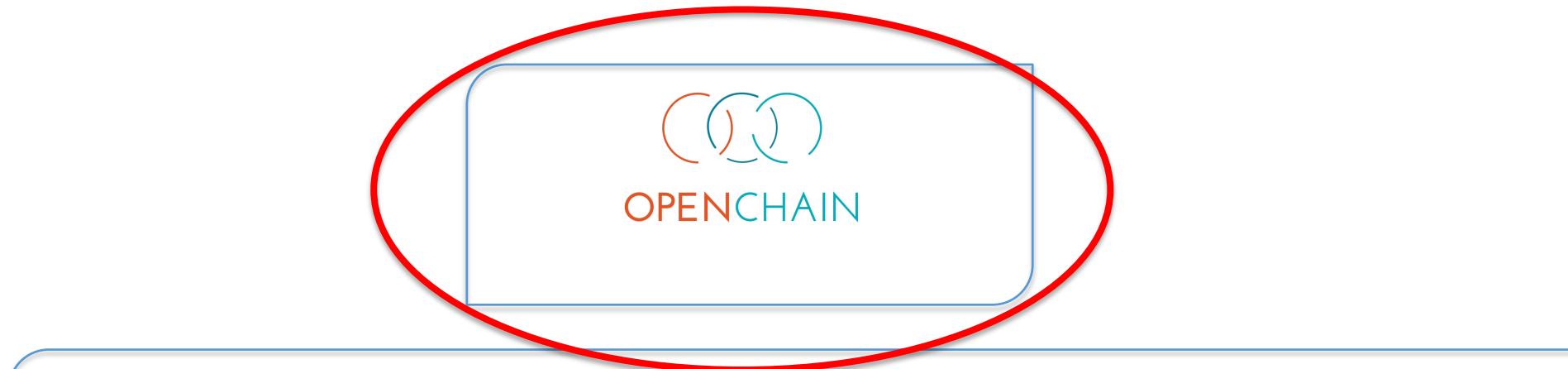
<http://www.todogroup.org>



# 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

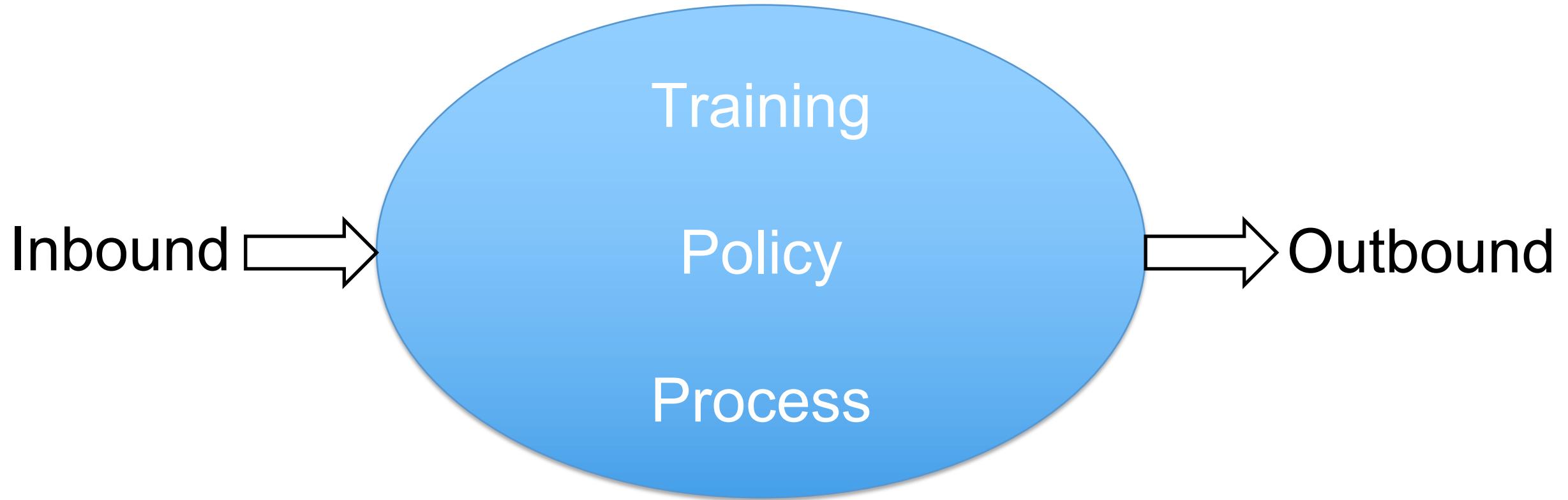
- Self  
certification  
support

- 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>

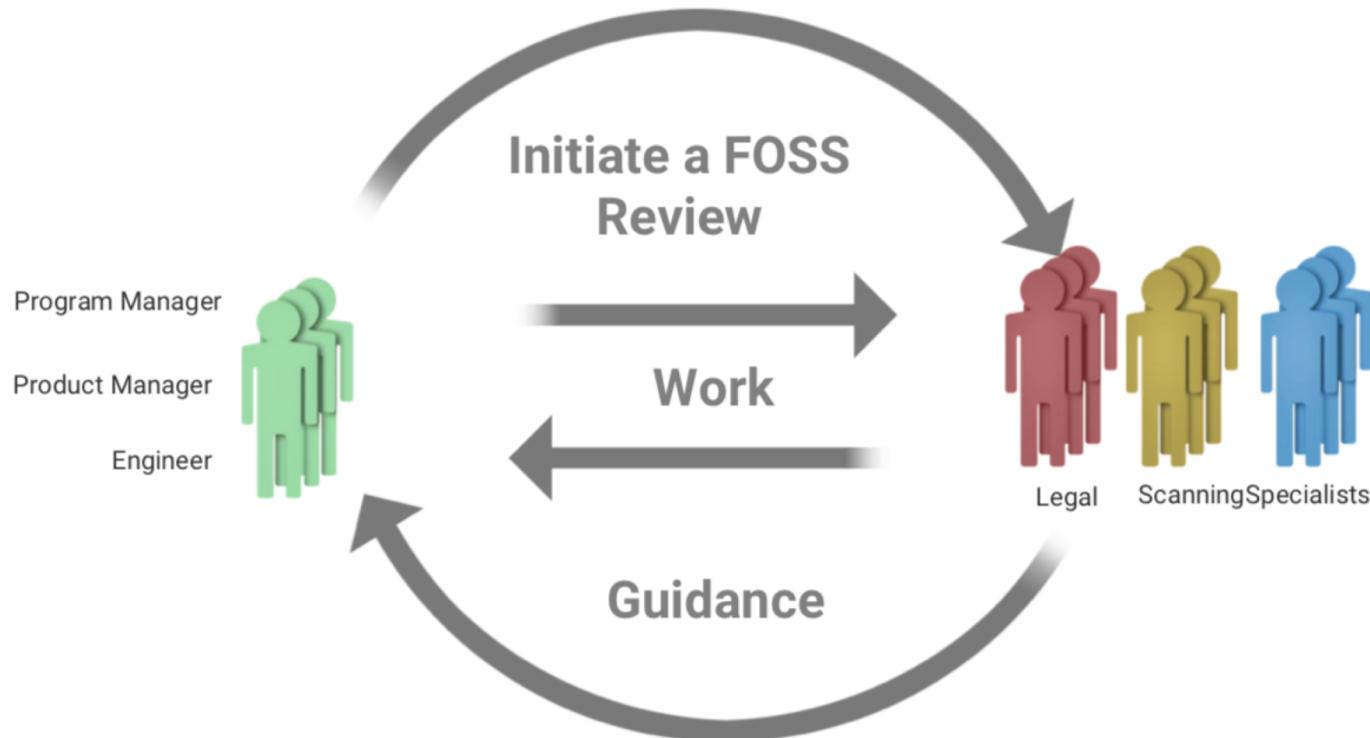
# Contents

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.

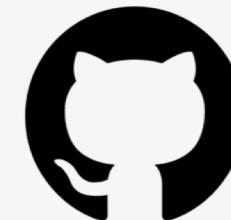
The OpenChain Curriculum can be used for any open source training program.

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**

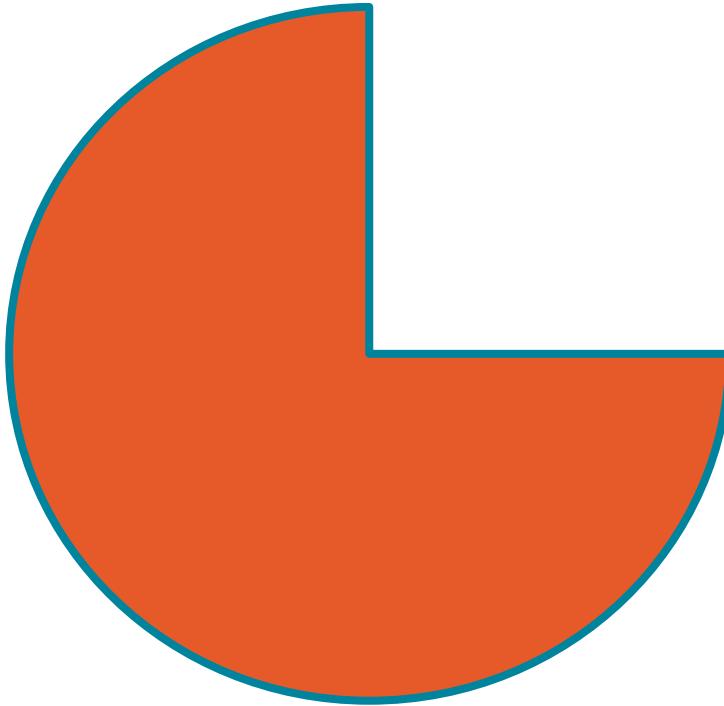
**SIEMENS**

**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)



Shane Coughlan  
General Manager

[LinkedIn](#) / [Facebook](#) / [Twitter](#)



Mark Gisi  
Specification Chair

[LinkedIn](#)



Miriam  
Ballhausen  
Conformance Chair

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Matija Suklje  
Strategic Advisor

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Gary O'Neill  
Lead Developer

[LinkedIn](#)



Indira Bhatt  
Community  
Representative

[LinkedIn](#)

# Progress Since Last Year

1. International Partners - from law firms to certification authorities
  - From Moorcrofts (UK) to TÜV SÜD (Germany and Japan)
2. Significant New Board Members
  - Toshiba (more announcements shortly)
3. Significant New Community Members
  - Microsoft, Panasonic and more
4. A Move towards formal standardization
  - The target is the 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?