OSADL

OPEN SOURCE + INDUSTRY = OSADL

OSADL Open Source Compliance Tools and Services

OSADL Open Source Technical Tools and Services
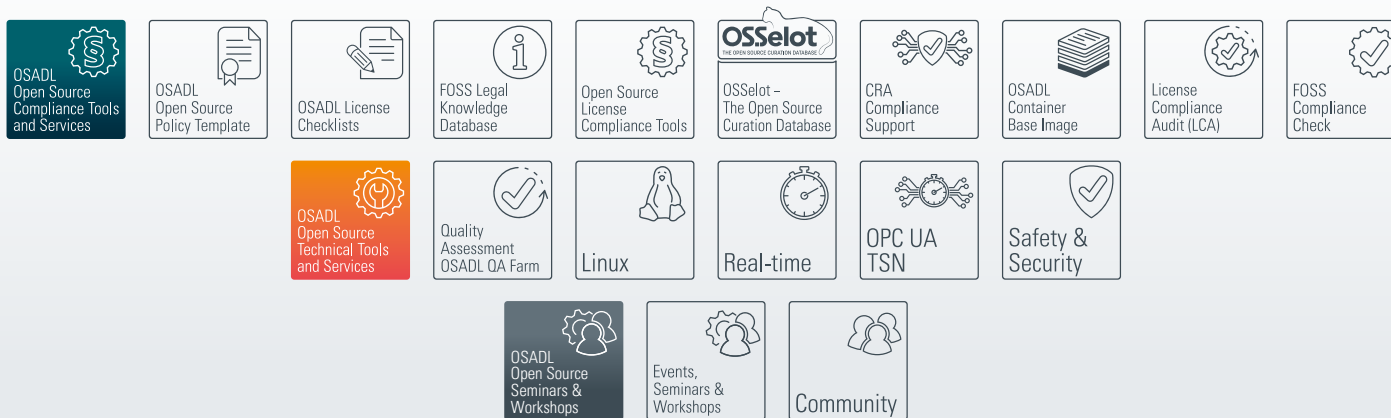
OSADL

OSADL IS THE COMMUNITY FOR OPEN SOURCE IN INDUSTRY

The Open Source Automation Development Lab (OSADL) eG provides everything that is needed to use, distribute and license Open Source software components in industrial products. This includes software development, but also legal, technical and quality aspects as well as related company processes.

The OSADL business model is based on the principle: Develop once for the use of many.

OSADL Open Source Compliance Tools and Services

OSADL Open Source Policy Template

OSADL License Checklists

FOSS Legal Knowledge Database

Open Source License Compliance Tools

OSSelot –
THE OPEN SOURCE CURATION DATABASE
OSSelot – The Open Source Curation Database

CRA Compliance Support

OSADL Container Base Image

License Compliance Audit (LCA)

FOSS Compliance Check

OSADL Open Source Technical Tools and Services

Quality Assessment OSADL QA Farm

Linux

Real-time

OPC UA TSN

Safety & Security

OSADL Open Source Seminars & Workshops

Events, Seminars & Workshops

Community

OSADL

The OSADL Open Source Policy Template

www.osadl.org/os-policy

→ helps companies create an individual Open Source policy with instructions on handling Open Source software
→ consists of a collection of documents which can be adapted to establish appropriate processes
→ contains supplements with in-depth training material and background information

OSADL Open Source Policy Template

The OSADL License Checklists

www.osadl.org/checklists

→ represent the license obligations of over 100 Open Source licenses in a canonical language
→ allow to select use cases, merge the obligations of multiple licenses, and check for license compatibility
→ are available in different formats to be included in a company's processes and tools
→ have been developed in close collaboration with legal experts

OSADL License Checklists

The OSADL FOSS Legal Knowledge Database

www.osadl.org/legal

→ is a practical collection of recommendations on how to convey Free and Open Source Software (FOSS) compliantly
→ consists of well over 100 FAQ and legal assessments based on questions of general interest asked by OSADL members
→ is available exclusively to OSADL members and continuously expanded in close collaboration with OSADL's General Counsel

FOSS Legal Knowledge Database

Open Source License Compliance Tool Support

Open Source License Compliance Tools

→ helps selecting and setting up appropriate Open Source tools to automate compliance processes,
e.g. scanning tools such as FOSSology and Scancode
→ provides information material and training for the use of such tools
→ includes contributions to Open Source tools to meet particular requirements
→ develops scripts and helper tools to integrate creation of compliance documents into software release processes

OSSelot – The Open Source Curation Database

OSSelot
THE OPEN SOURCE CURATION DATABASE

OSSelot – The Open Source Curation Database

→ provides diligently curated licensing information of commonly deployed software packages
→ substantially reduces the efforts to license an average-sized Linux system
→ is available in standardized SPDX formats for import into various tools and as ready-to-use disclosure documents
→ is licensed under CC0-1.0 to grant maximum freedom
→ includes information on link dependencies of binary components (callgraphs) and source code provenance

The OSADL CRA Compliance Support Projects

→ include an extension of the FOSS Legal Knowledge Database dedicated exclusively to the CRA
→ answer questions of general interest and give practical recommendations on fulfilling CRA obligations
→ encompass information and training events with recordings of the presentations
→ provide a policy template to help organize appropriate processes within a company
→ engage with the Open Source community to maintain usability of essential components

CRA Compliance Support

The OSADL Container Base Image

→ is a universally applicable container layer including complete licensing information
→ is available as binary-only image with a template for written offer to provide the complete corresponding source code on request
→ is also available with complete corresponding source code included in the image for immediate distribution
→ is continuously updated for various architectures and frequently used distributions such as Alpine, Debian and Ubuntu
→ is equivalent in package compositions to the minimum images provided by the distributions

OSADL Container Base Image

![OSADL]

The OSADL License Compliance Audit (LCA)

www.osadl.org/lca

→ is an audit undertaken by a software specialist and a specialized lawyer
→ helps companies distribute a Linux-based system compliantly
→ focuses on the Linux kernel, C library and relevant company documents
→ provides a detailed audit report including recommendations to close gaps detected during the audit
→ is rewarded with a certificate if successful

License Compliance Audit (LCA)

The OSADL FOSS Compliance Check

www.osadl.org/FOSS-compliance-check

→ evaluates whether a product essentially meets FOSS license obligations
→ assesses license compliance material for consistency and performs spot checks on selected components
→ helps to gauge whether a company's processes are principally set up to achieve FOSS compliance for their products
→ provides a detailed report including recommendations to close any gaps detected during the check
→ is an assessment of the general level of FOSS compliance rather than individual legal advice, which the OSADL LCA is

FOSS Compliance Check

The OSADL portfolio of legal compliance tools and services is continuously expanded and adapted to OSADL members' requests.

The OSADL QA Farm

Quality Assessment OSADL QA Farm

→ is a quality assurance and assessment test center for embedded systems
→ monitors and optimizes hardware and software of about 200 Linux and other computer systems
→ ensures general reliability and stability and provides fine-tuning of individual systems
→ helps companies select the most appropriate embedded system for a particular application
→ offers a wide variety of opportunities for case studies
→ provides test slots included in the regular OSADL membership
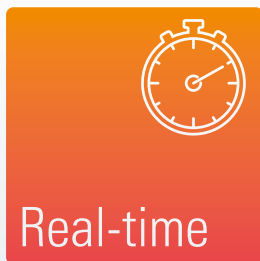
The OSADL Real-Time Linux Services

Real-time

→ are based on the PREEMPT_RT real-time enabled Linux kernel
→ help engineering teams get the most out of Linux-based real-time systems
→ include kernel additions to detect the origin of unsatisfying real-time behavior ("latency fighting")
→ provide funding and are closely coordinated with the Linux Foundation RTL Collaborative Project

The OSADL OPC UA PubSub and TSN Activities

→ are committed to foster the development of next generation real-time communication via Ethernet
→ are closely related to the open62541.org project on an Open Source implementation of OPC UA PubSub
→ include improvements of TSN in a wide variety of processors and controllers
→ use the OSADL QA Farm to continuously demonstrate the progress of the activities

OPC UA TSN

Safety and Security Projects

→ include the SIL2LinuxMP project that aims to provide documents to facilitate safety certification
→ support development of methods and services to protect embedded systems against malware
→ provide support and services to meet technical requirements of security regulations
→ help improve organizational processes of safety and security

Safety & Security

The OSADL portfolio of technical tools and services is continuously expanded and adapted to OSADL members' requests.

OSADL SEMINARS & WORKSHOPS

OSADL offers a broad range of training courses, seminars and workshops (online, in-house or in Heidelberg) covering all aspects of the OSADL portfolio.

Events, Seminars & Workshops

Legal Open Source Topics

Technical Open Source Topics

EVENTS 2025

EVENTS 2026

![OSADL logo]

COOL — Compact OSADL Online Lectures

The **Compact OSADL Online Lectures (COOL)** are monthly OSADL webinars. COOL brings new and current topics on Open Source software in industry with every edition, alternating between legal and technical aspects.

Each COOL session usually consists of two lectures, the first focusing on mostly theoretical or basic aspects of the topic of the day, while the second gives practical examples or advanced aspects that build on the theory or introduction presented before.

The COOL videos and presentations are made available after every COOL session on the OSADL website (partly open to everybody, partly restricted to members and participants).

Participation in COOL is free of charge

www.osadl.org/COOL

OSADL Networking Day

The **OSADL Networking Day** is a yearly event for OSADL members and traditionally takes place in Heidelberg, Germany.

One of the main goals of the Networking Day is to provide OSADL members a forum for exchange on all Open Source topics from the OSADL portfolio and beyond as well as networking.

The Networking Day consists of a conference session on a selected Open Source topic followed by a joint evening event. A limited number of places is reserved for non-member companies who would like to know what OSADL is all about and meet the community.

Event for OSADL members with invited guests

www.osadl.org/NWD

OSADL Workshops

OSADL also offers **Workshops** on particular topics related to Open Source software in industry. Member companies are welcome to submit suggestions for topics.

Recently covered topics include license compliance, advanced network protocols, software scanning with FOSSology, real-time Linux latency fighting, security challenges of embedded systems and particularly CRA compliance, safety certification of Open Source software, etc.

Members: free access, non-members: paid events

www.osadl.org/Events

The **OSADL Day** is a free information event on the technical, legal, strategic and organizational background of using Open Source software in industry. It is offered either online or in-house for non-member and member companies.

OSADL Day for member companies: After having joined OSADL, a member company may request an onboarding OSADL Day to familiarize itself with OSADL's services, a refresher OSADL Day to bring new employees up-to-date, or an in-depth OSADL Day tailored to topics of special interest.

OSADL Day for non-member companies: For companies that have not yet heard of OSADL, an OSADL Day is not only an optimal way to get informed about the legal and technical aspects relevant when conveying Open Source software in products, but also an introduction to the wide variety of services and tools OSADL offers to help implement Open Source software successfully and compliantly.

Interested? Then write to **office@osadl.org** to make an appointment for an OSADL Day!

OSADL Days are free of charge

www.osadl.org/OSADL-Day

OSADL provides a series of recorded lecture sessions called **Heidelberg OSADL Talks (HOT)**. These media resources are beginner-friendly and can be accessed anytime for training purposes.

HOT offers an overview of the fundamental legal aspects **(Legal HOT)** and technical aspects **(Technical HOT)** of using Open Source software in industry. Legal HOT focuses on aspects such as copyright law, Open Source license obligations and compliance tools, while Technical HOT sheds light on aspects such as the Linux kernel and its real-time variant and related quality, safety and security issues.

Member or participant login is required to display video clips. Non-members may request individual access to the training material. Just write to **office@osadl.org** in order to obtain your access data.

Access to HOT material is free of charge

www.osadl.org/HOT

OSADL MEMBERSHIP

The Open Source Automation Development Lab (OSADL) eG is a registered cooperative and welcomes members from all over the world.

OSADL

REGULAR MEMBERS

Regular Members of the cooperative are co-owners of OSADL and have a say in OSADL´s fortunes. A company must acquire once one, two or more cooperative shares for 1,000 euros each to become **bronze, silver** or **gold member.**

An annual flat-rate service fee of 8,000 euros applies per share. The number of votes a member has in the General Assembly equals the number of shares up to three.

www.osadl.org/regular-members

ASSOCIATE MEMBERS

Associate Members are provided with the same OSADL services as regular members. They do not acquire cooperative shares and voting rights. There are three associate membership types:

Bronze, silver or gold level, for which the annual service fee amounts to 1.5 times the service fee of regular members.

Base level is restricted to small companies and start-ups. The annual service fee amounts to 800 euros.

Organization level is a cost-neutral mutual membership and is offered to other member organizations similar to OSADL.

www.osadl.org/assoc-members

ACADEMIC MEMBERS

Universities and schools may join OSADL as **Academic Members** at no charge.

The academic membership is intended to bridge academia with industry.

www.osadl.org/academic-members

How to join the OSADL Community? **www.osadl.org/join** ● Current OSADL Members: **www.osadl.org/members**

All employees of an OSADL member company can use the OSADL services without restriction and at no additional costs.

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Compliance Tools
and Services

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Technical Tools
and Services

INTERESTED?

Ask for an in-depth introduction to OSADL's Open Source world.
Such "OSADL Days" are free of charge and offered either
via video conference or on-site.

Join OSADL and benefit from a unique experience!

As of November 2025