

FOSSLight로 완성하는 Open Source Governance

2021. 9. 16.

김경애
Open Source Task Leader





Contents

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2. FOSSLight Hub & Scanners
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Open Source Governance

Open Source Governance

영어사전 단어 · 속어 1-5 / 555건

governance 미국식 [ˈɡʌvərnəns]  영국식 [ˈɡʌvənəns] 

[명사][전문 용어] 통치, 관리; 통치[관리] 방식

[from governance to autonomy](#)

종속을 탈피하여 자치로

[corporate governance](#)

[명사] 기업의 소유 · 경영 구조.

[electronic governance](#)

[명사] 전자 통치[지배, 정치].

[self-governance](#)

[명사] 자치(自治).

[영어사전 더보기 >](#)

국어사전 단어 1-5 / 13건

[거버넌스 \(governance\)](#)

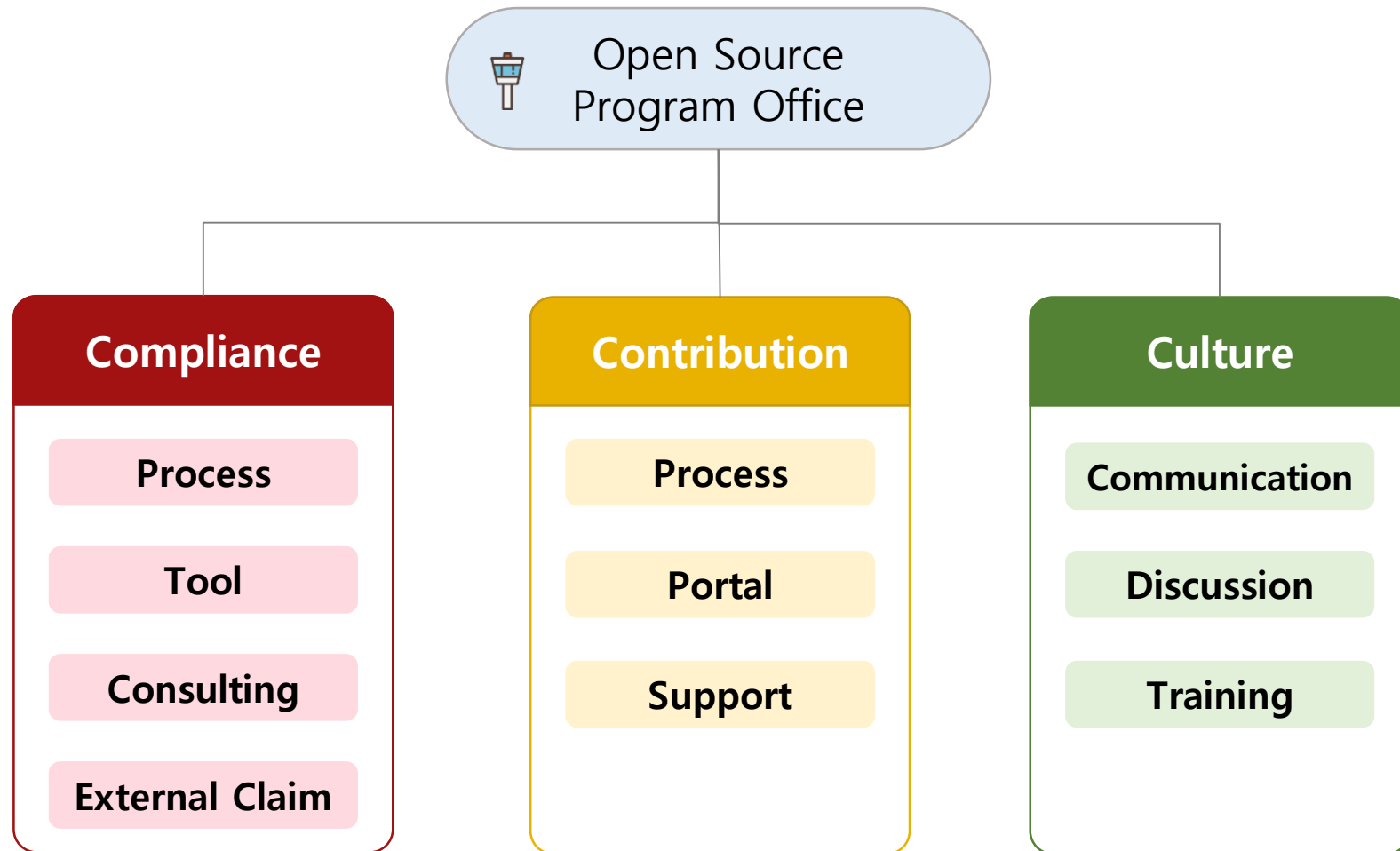
[명사] (행정) 공동의 목표를 달성하기 위하여, 주어진 자원 제약하에서 모든 이해 당사자들이 책임감을 가지고 투명하게 의사 결정을 수행할 수 있게 하는 제반 장치. ⇒규범 표기는 미확정이다.

[전사적 거버넌스 \(全社的governance\)](#)

[경영] 조직을 지휘하고 통제하는 체계. ⇒규범 표기는 미확정이다.

Open Source Governance & Program Office

Open Source Program Office는 기업에서 Open Source를 효율적으로 활용하고 기여할 수 있도록 정책을 수립하여 전파하고 여러 툴과 서비스를 제공하며 오픈 소스 문화를 확산할 수 있게 하는 조직

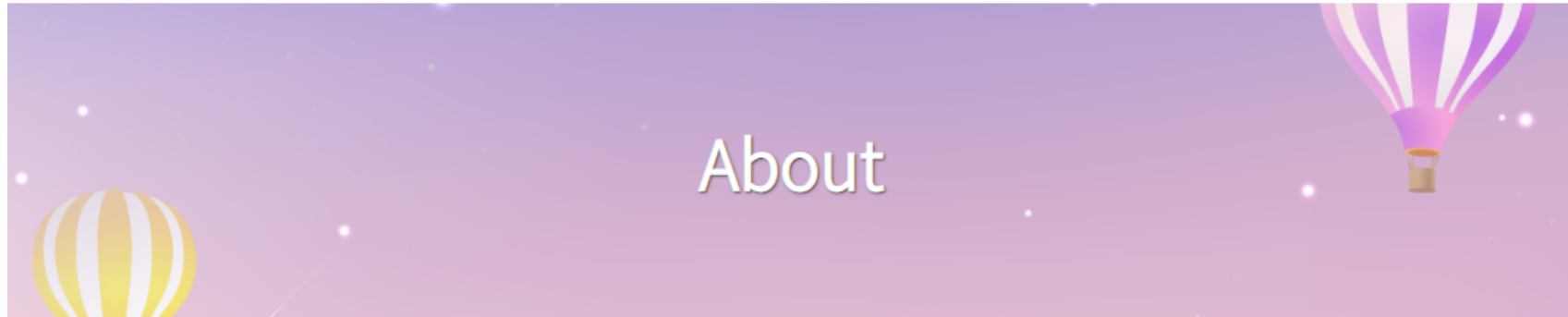


LGE Open Source Program Office

☐ <http://oss.lge.com>



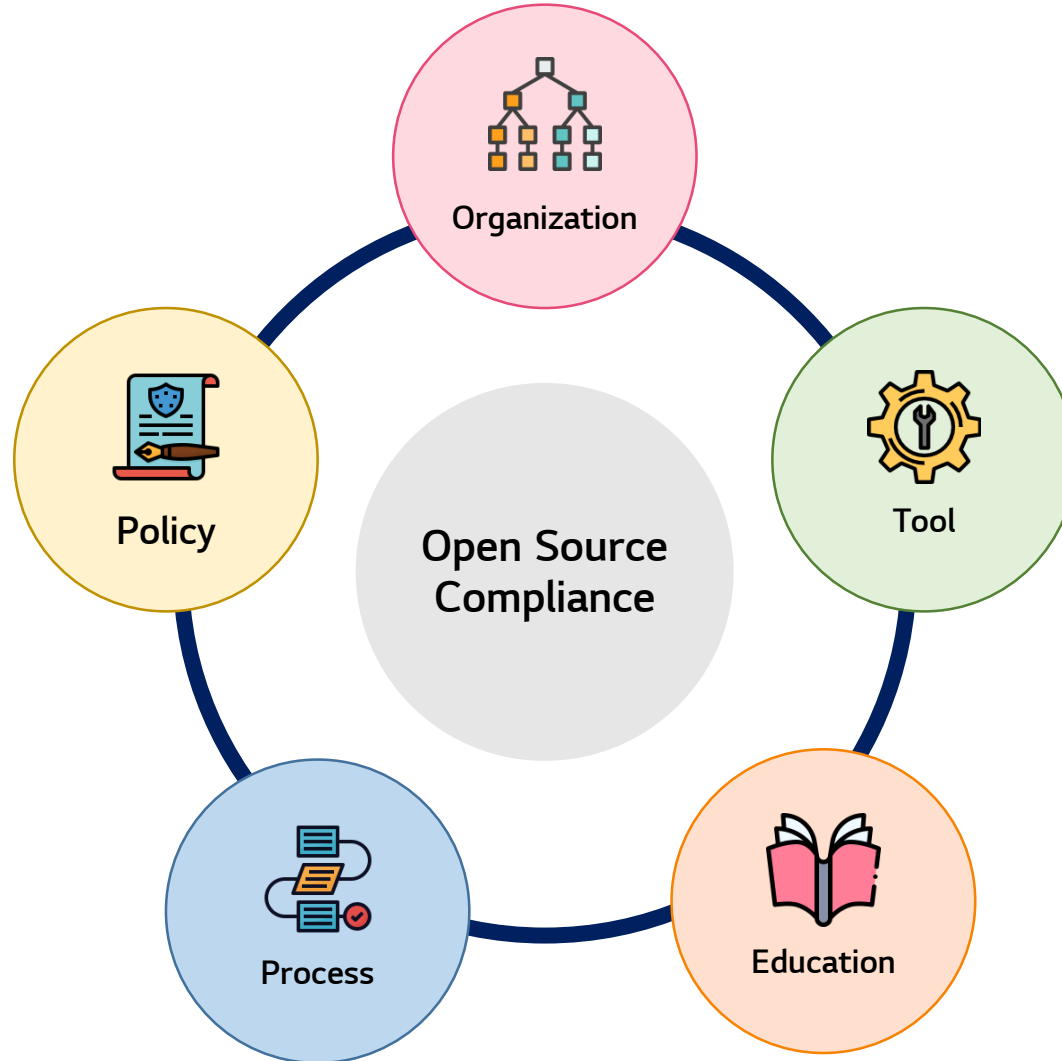
About Project Product Guide 



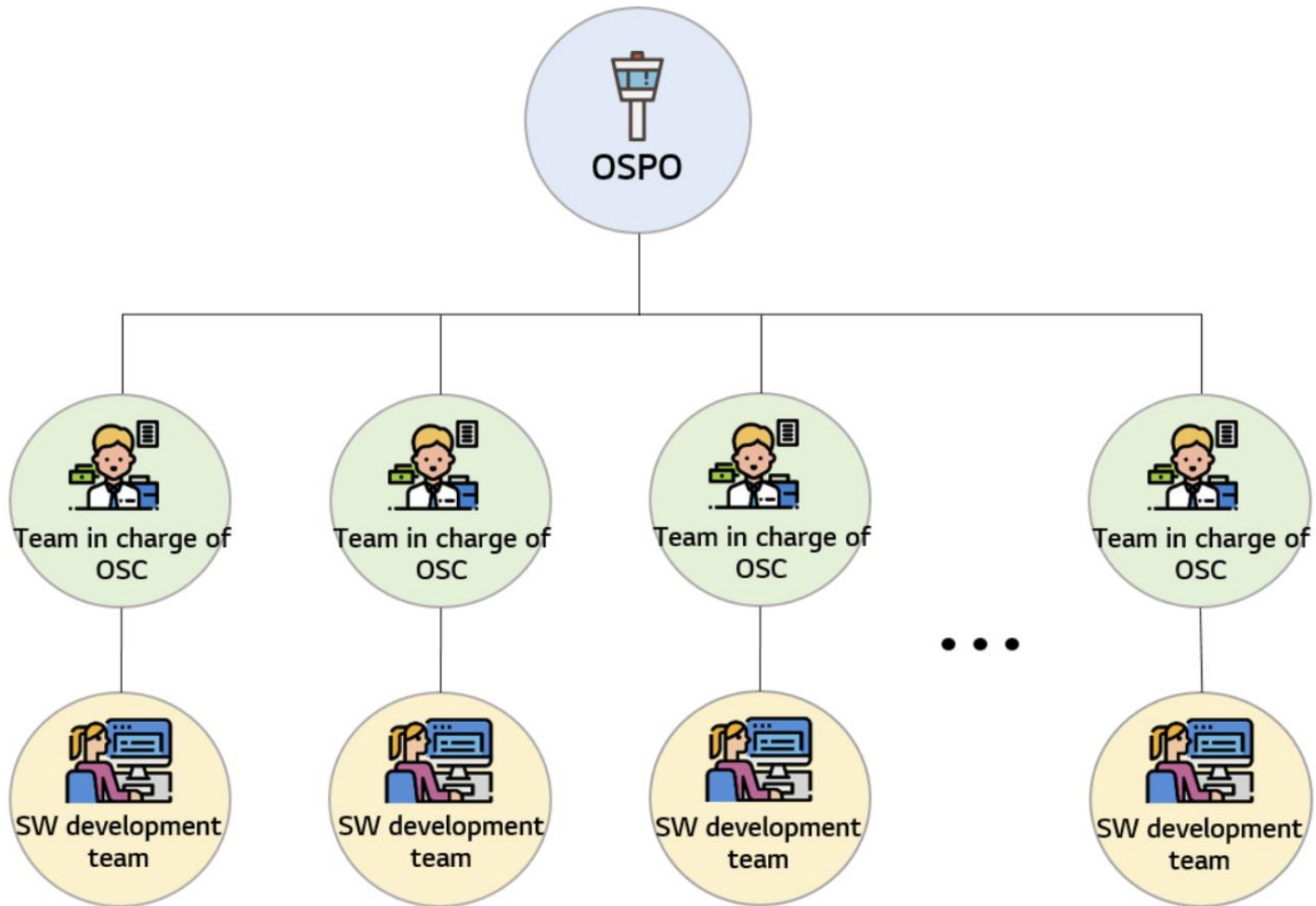
LG Open Source Program

LG Open Source Program Office는 회사 내 효율적인 오픈 소스 관리와 Open Source Compliance Risk를 감소시키기 위한 활동을 수행합니다. 구체적으로는 Open Source 사용 및 배포에 대한 audit 및 기타 정책을 구성하는 Open Source Compliance 활동뿐만 아니라 사내 SW 개발자를 위한 교육, 사내 Open Source 문화 확산 및 Open Source Community 참여 활성화와 같은 회사의 전체적인 Open Source 전략을 구축하고 있습니다. LG전자의 Open Source 정책과 Open Source Compliance 프로세스에 대해서는 [Guide](#) 페이지에서 확인해 보실 수 있습니다.

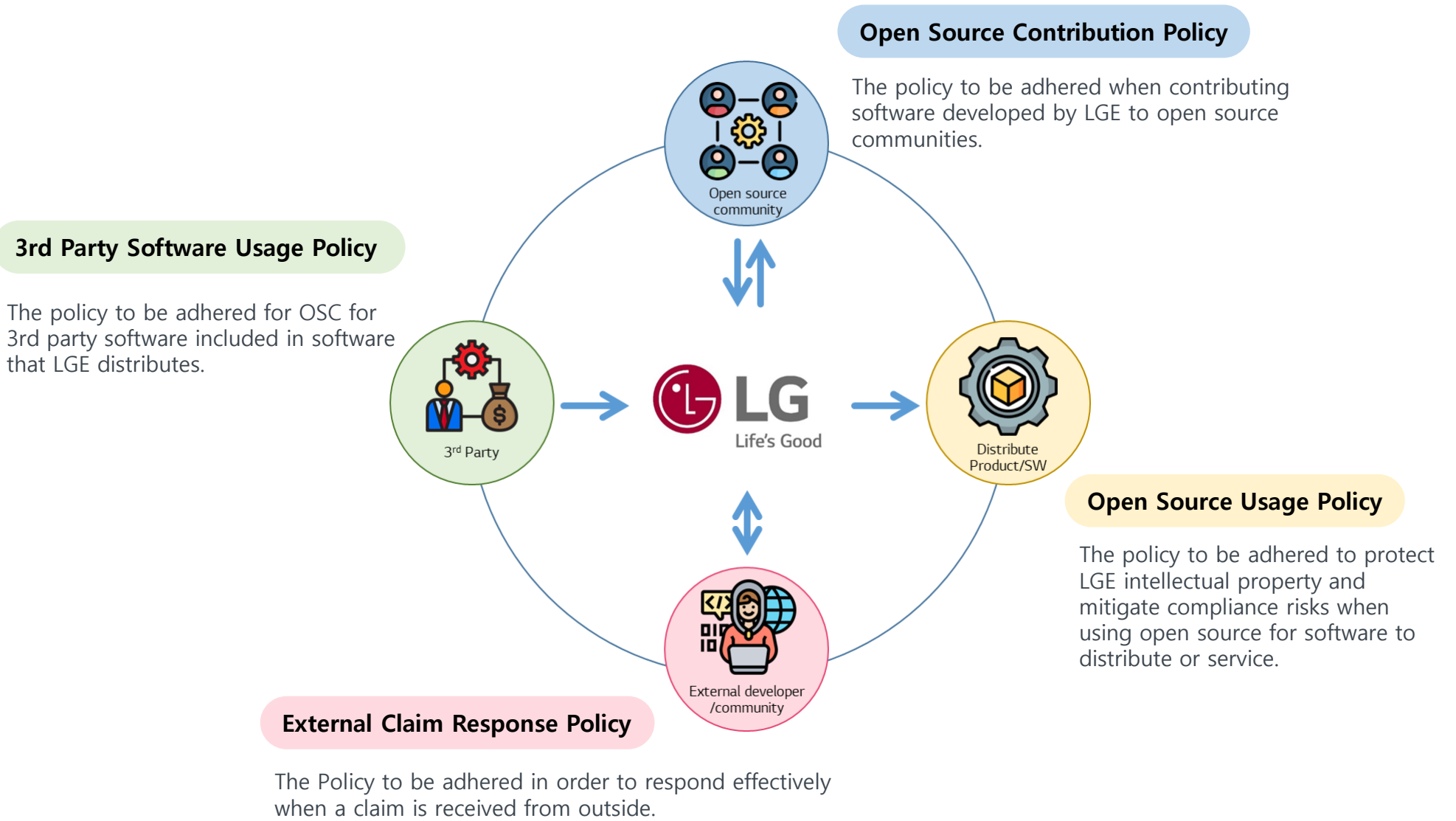
Open Source Compliance



Organization

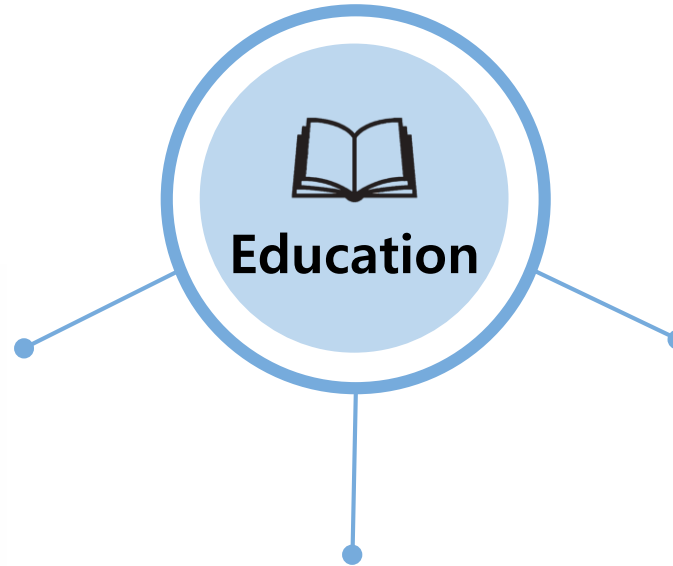


Policy



Education

Online training



Workshop

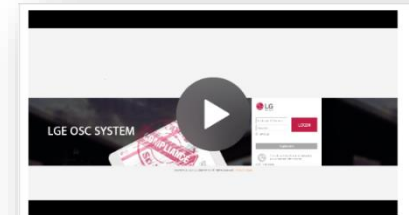
32nd OPEN SOURCE COMPLIANCE ONLINE WORKSHOP

발표제목	발표자	시간
Introduction	김경애	14:00 - 14:20
LG Open Source 사이트 소개	석지영	14:20 - 14:30
Open Source 기여 Process 및 개발자 가이드 소개	석지영	14:30 - 14:50
오픈소스 플랫폼	최혜성	15:00 - 15:30
FOSSLight Tool 업데이트 소식	김수임	15:30 - 16:30
추가 논의사항 논의	김경애	16:30 - 17:00

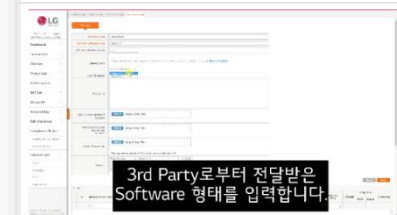
2020. 09. 23 (Wed) 14:00 ~ 17:00
Join to WebEx



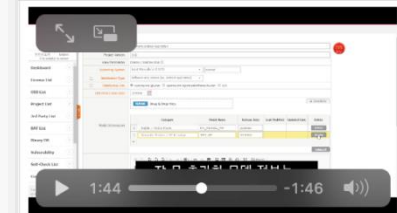
Video training contents



Download video: mp4 format



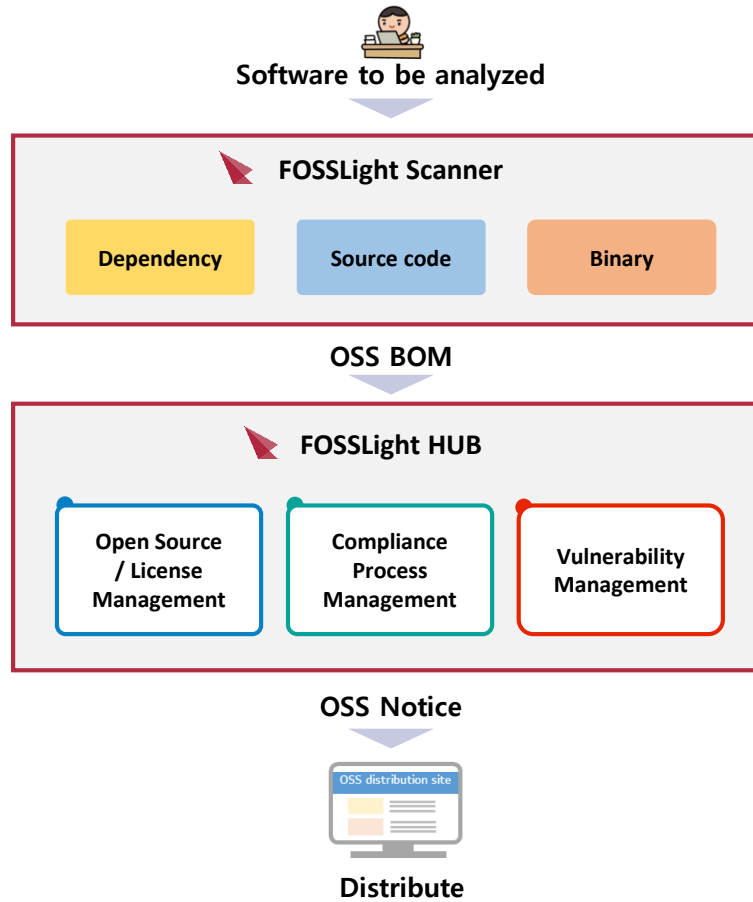
Download video: mp4 format



Download video: mp4 format

Process





LG Open Source Guide

☐ <https://oss.lge.com/guide>

LG Open Source Guide

INTRODUCTION

1. Introduction

ORGANIZATION

1. OSPO

POLICY

1. Open Source Policy

PROCESS

☰ OSC Process

☐ 1. Identification

☐ 2. Approval

☐ 3. Notice & Verification

☐ 4. Distribution

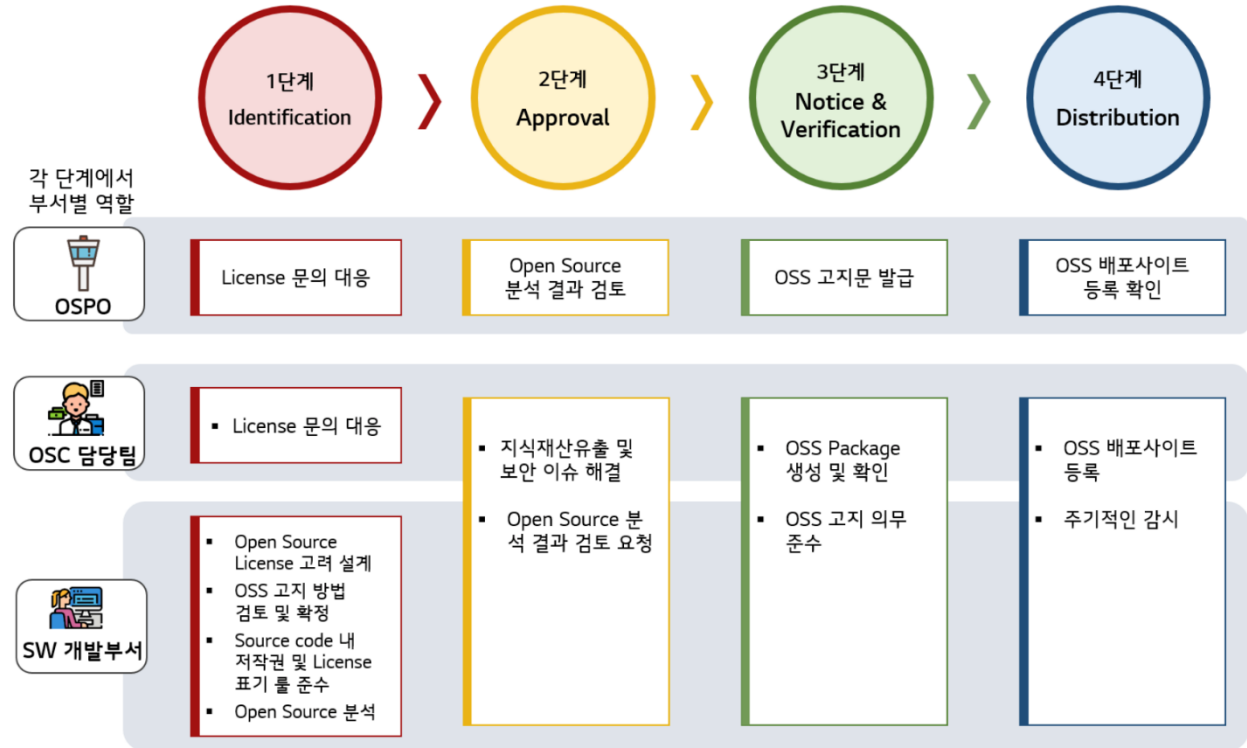
EDUCATION

1. 교육 자료

TOOL

1. OSC Tool

LG전자 OSC(Open Source Compliance) Process는 Software를 배포하는 조직이 LG전자 Open Source Policy를 준수하기 위한 세부적인 활동 가이드를 제공하고 있습니다. 이에 각 Process 단계에서 부서별 역할을 다음과 같이 확인하실 수 있습니다.

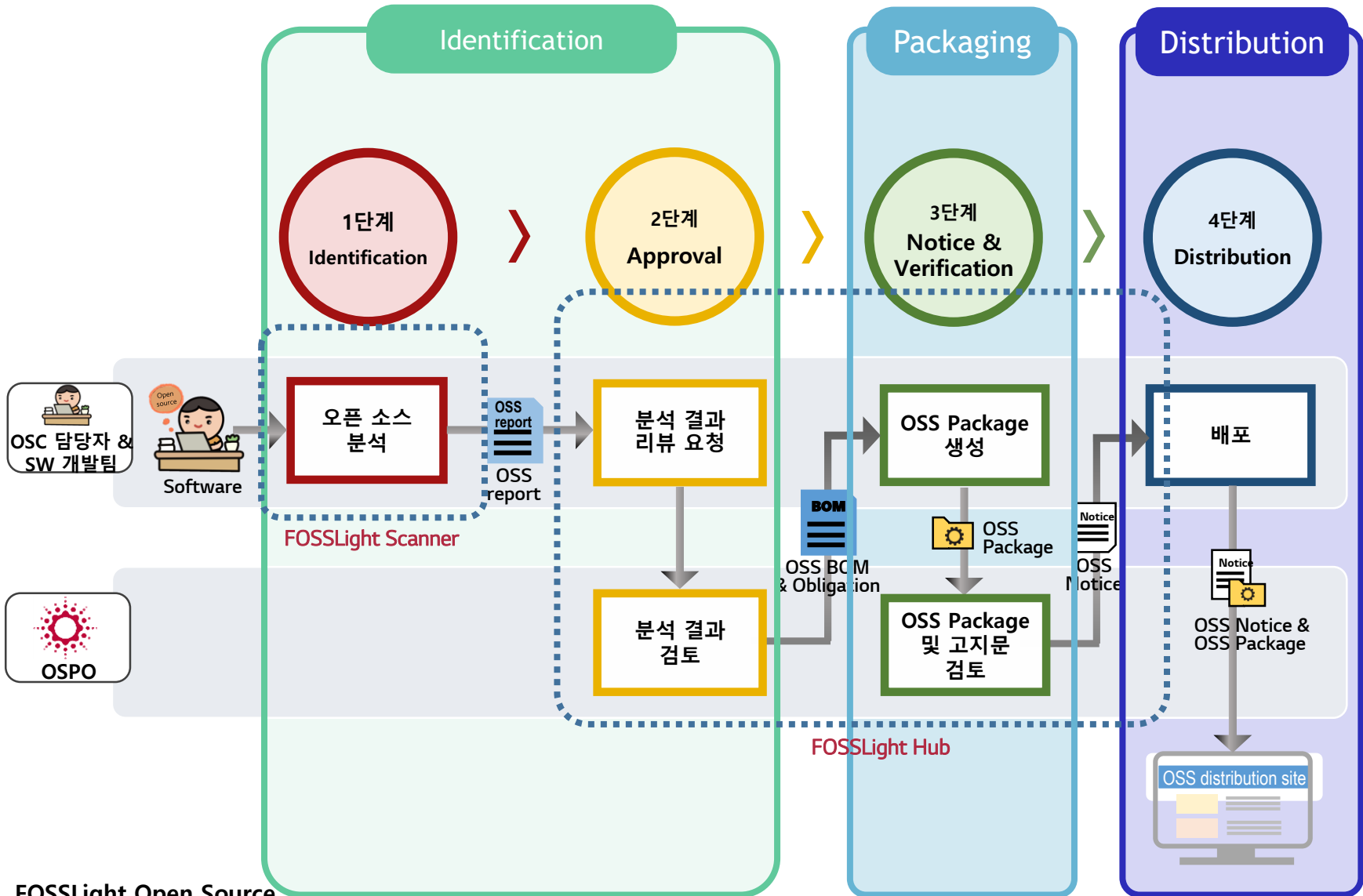


단계별 활동 및 요구사항은 다음과 같습니다.

- 1단계 Identification
- 2단계 Approval
- 3단계 Notice & Verification
- 4단계 Distribution

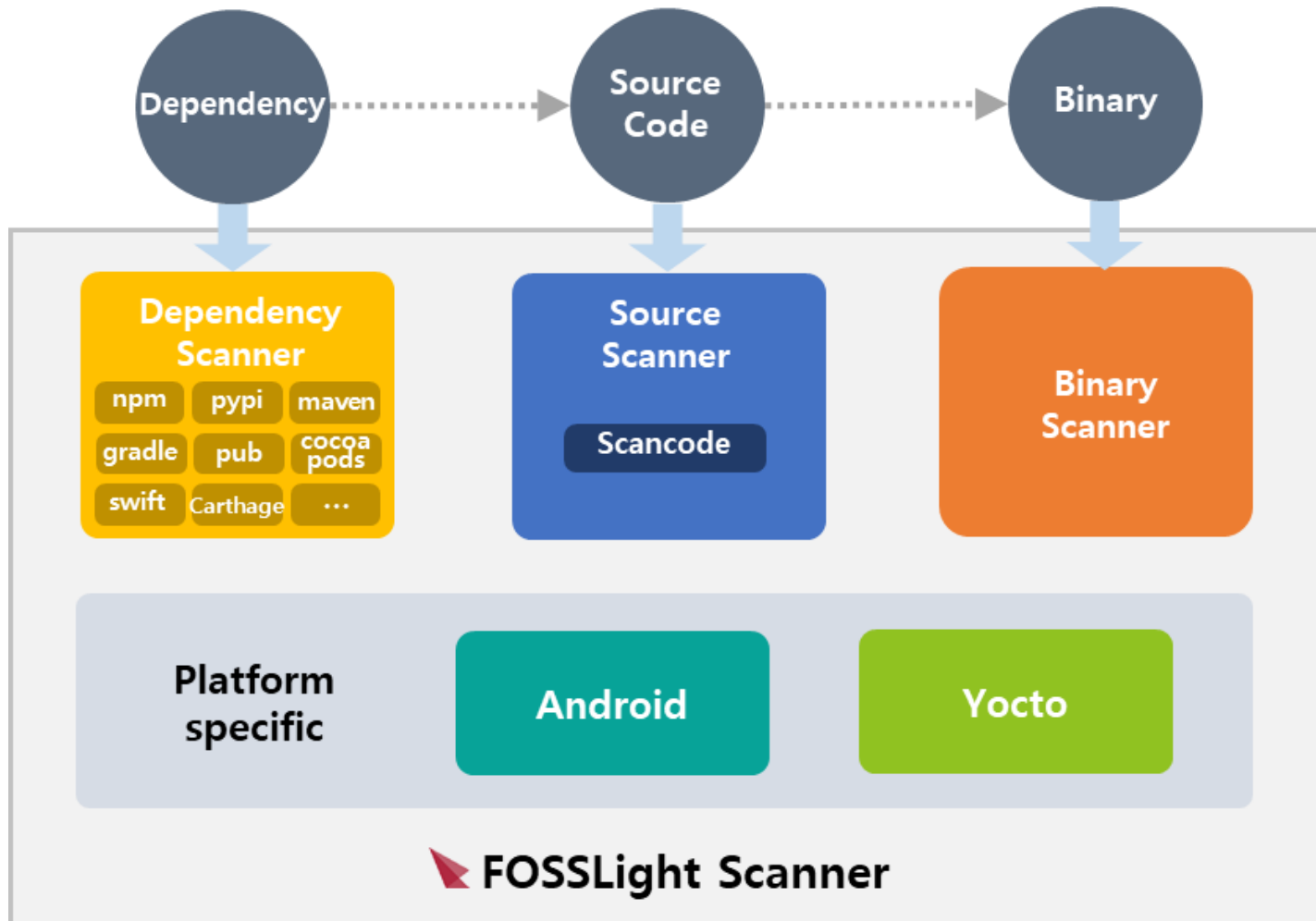
FOSSLight Hub & Scanners

OSC Process

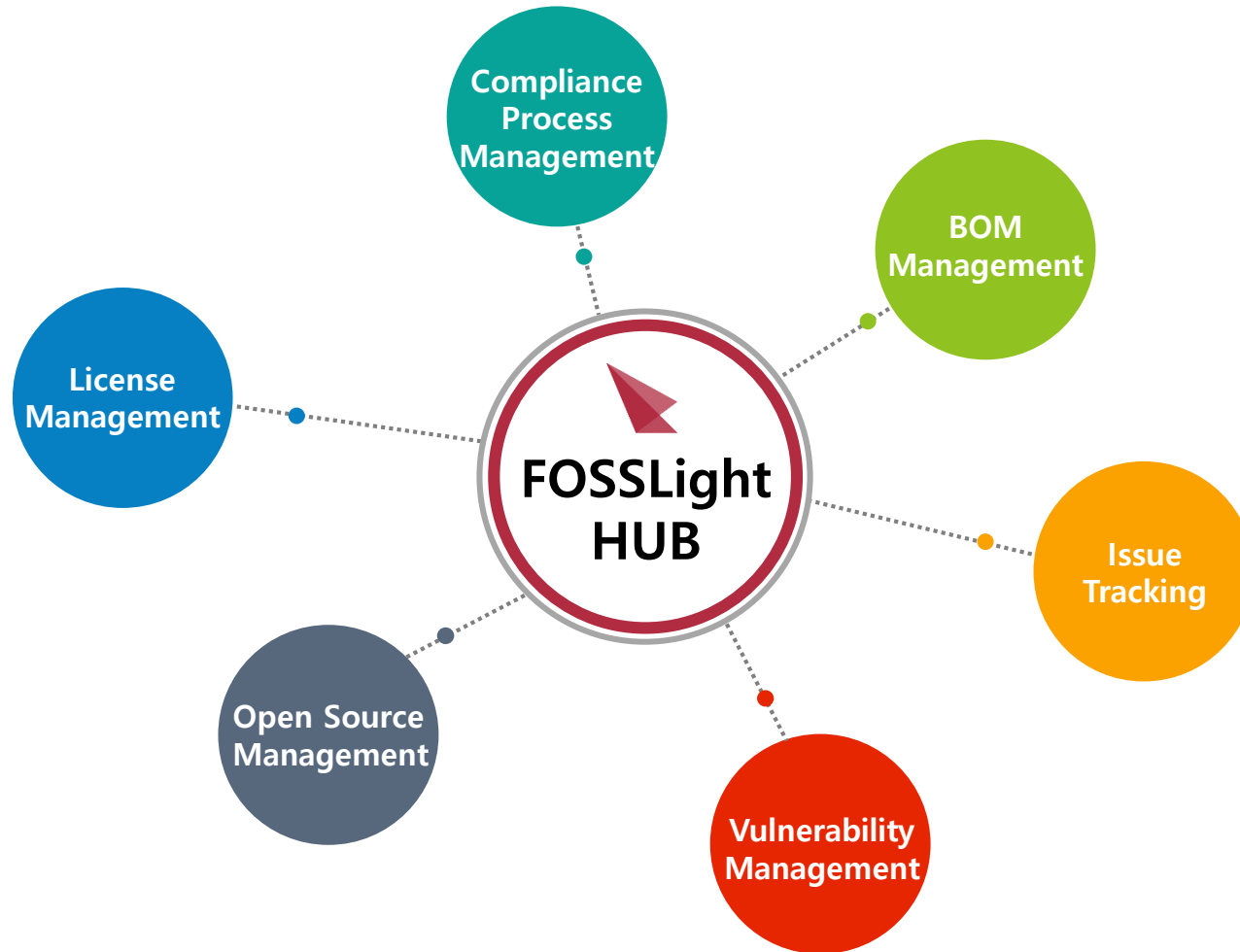




FOSSLight Scanner



FOSSLight HUB



FOSSLight Hub 활용 방안

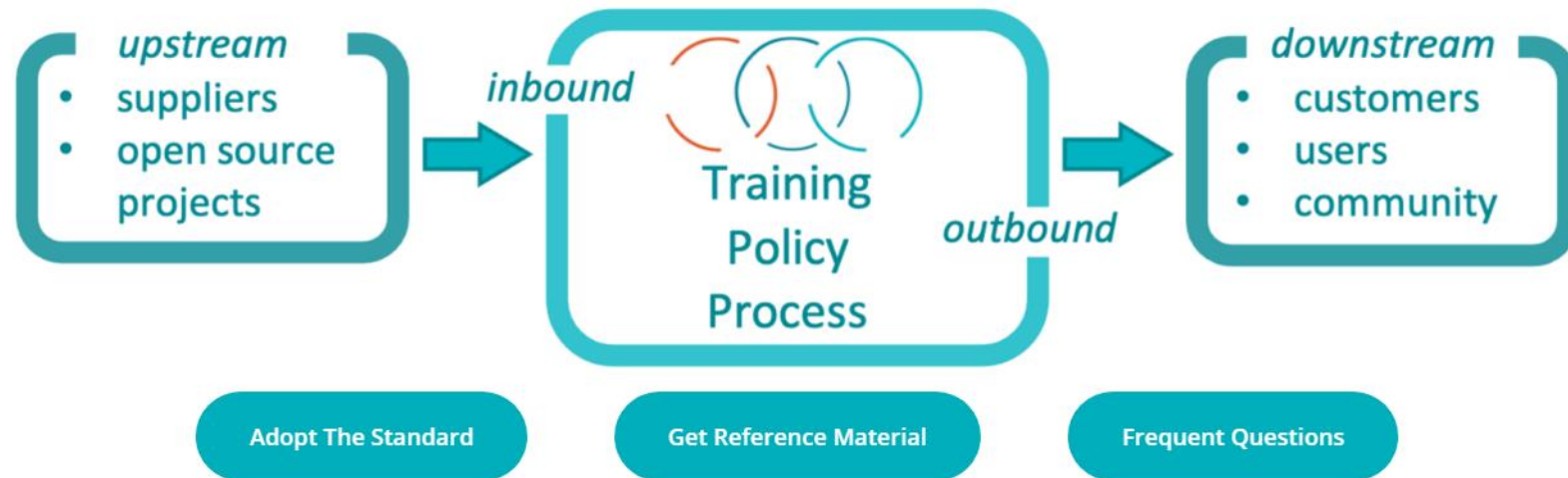
OpenChain ISO 5230



Welcome to OpenChain ISO 5230, the International Standard for Open Source Compliance

OpenChain ISO 5230 is the **International Standard** for open source license compliance. It is simple, effective and suitable for **companies of all sizes in all markets**. This standard is **openly developed** by a **vibrant user community** and **freely available** to all. It is supported by free online **self-certification**, extensive **reference material** and official **service provider partners**.

Let Us Help You With OpenChain ISO 5230



OpenChain ISO 5230 Conformance

THE LINUX FOUNDATION PROJECTS



Adopt Resources FAQ Community

LG Announces Conformance To OpenChain 2.1 (ISO/IEC 5230)

By Shane Coughlan | February 8, 2021 | Featured, News



LG
Life's Good

Today the OpenChain Project announced LG Electronic's conformance to OpenChain 2.1 (ISO/IEC 5230), the International Standard for open source license compliance. This standard defines the

OpenChain Spec.

1. Program Foundation

1.1. Policy

1.2. Competence

1.3. Awareness

1.4. Program scope

1.5. License Obligations

2. Relevant tasks defined and supported

2.1. Access

2.2. Effectively resourced

3. Open source content review and approval

3.1. Bill of materials

3.2. License compliance

4. Compliance artifact creation and delivery

4.1. Compliance artifacts

5. Understanding open source community engagements

5.1. Contributions

6. Adherence to the specification requirements

6.1. Conformance

6.2. Duration

프로젝트 관리

Project List Vulnerability Self-Check List

ID Project Name Created Date ~ Search

Division Creator Reviewer

Distribution Type Network Service Model Name

Status Progress Request Review Complete Drop

Priority

Expand

Excel download Add

<input type="checkbox"/>	ID	Project Name (Version)	Status	Identification	Packaging	Download	Distribution Ty	Vulnerability	Division	Creator	Created Dat	Updated Da	Reviewer	Additional Informat
<input type="checkbox"/>	34	fossight_demo	P	Start			General Model		N/A	jslee	2021-07-02	2021-07-02		
<input type="checkbox"/>	33	kkk123 (ver v1.1)	P	Confirm 3rd SRC BIN BOM	Start		General Model		N/A	희희희	2021-07-02	2021-07-02	시스템관리자	
<input type="checkbox"/>	32	kkk123 (ver v1.0)	R	Request 3rd SRC BIN BOM			General Model		N/A	희희희	2021-07-01	2021-07-01		
<input type="checkbox"/>	31	yally3	P	Confirm 3rd SRC BIN BOM	Start		General Model			시스템관리	2021-07-01	2021-07-01	시스템관리자	
<input type="checkbox"/>	30	Demo (ver 0.1)	P	Start			General Model			시스템관리	2021-06-30	2021-06-30		info.....
<input type="checkbox"/>	29	Abc	P	Start			General Model			시스템관리	2021-06-28	2021-06-28		
<input type="checkbox"/>	28	Test-Project (ver Test)	R	Request 3rd SRC BIN BOM			General Model			시스템관리	2021-06-24	2021-06-28		
<input type="checkbox"/>	27	Test-Project (ver 1.0)	P	Start			Transfer in-hous			시스템관리	2021-06-24	2021-06-24		
<input type="checkbox"/>	26	test_project_foossight (ver 1.0)	P	Start			General Model			시스템관리	2021-06-22	2021-06-22		
<input type="checkbox"/>	25	yally2	R	Confirm 3rd SRC BIN BOM	Confirm		General Model			시스템관리	2021-06-18	2021-06-18	시스템관리자	
<input type="checkbox"/>	24	yally	R	Confirm 3rd SRC BIN BOM	Confirm		General Model			시스템관리	2021-06-18	2021-06-18	시스템관리자	
<input type="checkbox"/>	23	MyProject 0617	P	Progress 3rd SRC BIN BOM			General Model			시스템관리	2021-06-17	2021-06-17	Vo Trung Ha	MyProject
<input type="checkbox"/>	22	kkhtest	R	Request 3rd SRC BIN BOM			B2B		N/A	김광현	2021-06-16	2021-06-16		
<input type="checkbox"/>	21	test_parkja6	P	Start			General Model		N/A	JangWoong	2021-06-15	2021-06-15		
<input type="checkbox"/>	20	test	P	Start			General Model		N/A	test	2021-06-11	2021-06-11		

BOM(Bill Of Materials) 관리 (1/2)



The National Telecommunications and Information Administration (NTIA) recently asked

* Project Name | yally2 B P | Created | 시스템관리자 (2021-06-18)

3rd party | SRC | BIN | **BOM**

Reject

Show Comment History

Comment Edit

Export

ID	Reference	OSS Name	OSS Version	License	Download Location	Homepage	Copyright Text	Vulnerability	Obligation		Restriction	admin check
									Notify	Source		
		~ <input type="text"/> X	~ <input type="text"/> X	~ <input type="text"/> X	~ <input type="text"/> X	~ <input type="text"/> X	~ <input type="text"/> X	>= <input type="text"/> X				
2	SRC	CImg	2.6.7	CECILL-C	http://cimg.eu/download	http://cimg.eu	Copyright (c) David Tschumperle (http	⚠			R	<input type="checkbox"/>
1	SRC	cairo	1.4.12	MPL-1.1,GPL-2.0	http://cairographics.org	https://www.cairographics.org	Copyright (c) 2002 University of South	⚠				<input type="checkbox"/>

BOM(Bill Of Materials) 관리 (2/2)

Progress
 Request
 Review
 Complete
 Drop

Expand ▲

ID	Project Name (Version)	Status	Identification	Packaging	Download	Distribution Type	Vulnerability	Division	Creator	Created Date	Updated Date	Reviewer	Additional Information
35	kkk1234 (ver v1.0)	P	Confirm 3rd SRC BIN BOI	Start	📄	General Model	⚠️	N/A	희희희	2021-07-05	2021-07-05	시스템관리자	
33	kkk123 (ver v1.1)	P	Confirm 3rd SRC BIN BOI	Start	📄	General Model	⚠️	N/A	희희희	2021-07-02	2021-07-02	시스템관리자	
32	kkk123 (ver v1.0)	R	Request 3rd SRC BIN BOI			General Model	⚠️	N/A	희희희	2021-07-01	2021-07-01		
31	yally3	P	Confirm 3rd SRC BIN BOI	Start	📄	General Model	⚠️		시스템관리자	2021-07-01	2021-07-01	시스템관리자	
25	yally2	R	Confirm 3rd SRC BIN BOI	Confirm	📄 📁 📄	General Model	⚠️		시스템관리자	2021-06-18	2021-06-18	시스템관리자	
24	yally	R	Confirm 3rd SRC BIN BOI	Confirm	📄 📁 📄	General Model	⚠️		시스템관리자	2021-06-18	2021-06-18		
23	MyProject 0617	P	Progress 3rd SRC BIN BOI			General Model	⚠️		시스템관리자	2021-06-17	2021-06-17	Vo Trung Han 테스터	Project 0
22	kkhtest	R	Request 3rd SRC BIN BOI			B2B	⚠️	N/A	김광현	2021-06-16	2021-06-16		
19	testtest0	R	Request 3rd SRC BIN BOI			General Model	⚠️	N/A	서예진	2021-06-11	2021-06-11		
15	test_query (ver 0.5)	C	Confirm 3rd SRC BIN BOI	Confirm	📄 📁 📄	General Model	⚠️	N/A	서예진	2021-06-09	2021-06-09	시스템관리자	
6	test_jcc (ver 1)	P	Confirm 3rd SRC BIN BOI	Start	📄	General Model	⚠️	N/A	최재창	2021-06-07	2021-06-25	시스템관리자	test

Open Source 관리 (1/2)

OSS Name Exact Match Copyright Text
 License Name Exact Match Description
 Website Deactivate

Creator Created Date ~ Modifier Modified Date ~
 License Type

Search

Expand ▲

Excel download

Add

ID	OSS Typ	OSS Name	Version	License Name	License	Obligati	Download Locati	Homep	Description	Vulne bility	Creator	Created	Modifier	Modified
23		log4j	2.8.2	Apache-2.0	Permissi			URL			admin	2021-05-	admin	2021-08-
22		Jetty	9.4.35	Apache-2.0 OR EPL-1.0	Permissi			URL			admin	2021-05-	admin	2021-08-
+ 32		Mbed TLS	9.9.9	AGPL-3.0	Copyleft						admin	2021-06-	admin	2021-06-
19		xstream	1.4.9	BSD-3-Clause	Permissi		https://mvnreposit	URL			admin	2021-05-	admin	2021-05-
18		python-dateutil	2.8.1	BSD-3-Clause AND Apac	Permissi		https://pypi.org/p/	URL			admin	2021-05-	admin	2021-05-
+ 16		JNA	5.0.0	LGPL-2.1 OR Apache-2.0	Permissi		https://mvnreposit	URL	* [Dual][V-diff] ve		admin	2021-05-	admin	2021-05-
15		libaddressinput		Apache-2.0 AND BSD-3-	Permissi		https://github.com	URL			admin	2021-05-	admin	2021-05-
14		QUARTZ	2.3.2	Apache-2.0	Permissi		https://mvnreposit	URL			admin	2021-05-	admin	2021-05-
13		node-browser-com	2.1.2	MIT OR Apache-2.0	Permissi		https://git.coolaj&	URL	Code released und		admin	2021-05-	admin	2021-05-
12		appalliance-repack	2.6.1	EPL-2.0	Weak Co		https://mvnreposit	URL	This Source Code		admin	2021-05-	admin	2021-05-
11		Gazebo	9.13.0	Apache-2.0 AND LGPL-3	Weak Co		https://bitbucket.c	URL			admin	2021-05-	admin	2021-05-
10		Jcommon	1.0.15	LGPL-2.1	Weak Co		https://mvnreposit	URL			admin	2021-05-	admin	2021-05-
9		mariadb-java-client	2.5.4	LGPL-2.1	Weak Co		https://github.com	URL			admin	2021-05-	admin	2021-05-
8		PerconaFT	8.0.13	GPL-2.0 AND AGPL-3.0	Copyleft		https://github.com	URL			admin	2021-05-	admin	2021-05-
+ 6		MongoDB	4.0.4	SSPL-1.0	Copyleft						admin	2021-05-	admin	2021-05-

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View 106 - 120 of 125

Open Source 관리 (2/2)

OSS Name	JNA									
Nick Name	Java Native Access <input type="checkbox"/>									
	Java Native Access - JNA <input type="checkbox"/>									
	java-native-access-jna <input type="checkbox"/>									
	jna-platform <input type="checkbox"/>									
	net.java.dev.jna:jna <input type="checkbox"/>									
	net.java.dev.jna:jna-platform <input type="checkbox"/>									
OSS Version	5.0.0									
License	<input type="radio"/> Single License <input checked="" type="radio"/> Multi/Dual License LGPL-2.1 OR Apache-2.0									
	<table border="1"> <thead> <tr> <th></th> <th>License</th> <th>Copyright</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>LGPL-2.1</td> <td></td> </tr> <tr> <td>2</td> <td>OR Apache-2.0</td> <td></td> </tr> </tbody> </table>		License	Copyright	1	LGPL-2.1		2	OR Apache-2.0	
		License	Copyright							
	1	LGPL-2.1								
2	OR Apache-2.0									
Show license text										
Copyright	Copyright (c) 2007-2018 Timothy Wall Copyright (c) 2009-2018 Daniel Doubrovkine Copyright (c) 2007 Wayne Meissner									
License Type	Permissive									
Obligation										
Download Location	https://mvnrepository.com/artifact/net.java.dev.jna/jna									
	https://mvnrepository.com/artifact/net.java.dev.jna/jna-platform									
	https://github.com/java-native-access/jna									
Home Page	https://github.com/java-native-access/jna									

The image shows three overlapping browser windows. The top window is the Maven Repository page for 'net.java.dev.jna:jna/5.0.0'. The middle window is the Maven Repository page for 'net.java.dev.jna:jna-platform/5.0.0'. The bottom window is the GitHub repository page for 'java-native-access/jna', showing the release 'matthiasblaesing Release 5.0.0' with a download button and a list of files including '.github', 'ant-tools-src/com/sun/...', 'contrib', and 'dist'.

License 관리

License Name	BSD 3-clause "New" or "Revised" License
License Type	Permissive
Restriction	<input type="checkbox"/> Non-Commercial Use Only <input type="checkbox"/> Network Redistribution <input type="checkbox"/> Restricted Modifications <input type="checkbox"/> Platform Deployment Restriction <input type="checkbox"/> Prohibited Purpose <input type="checkbox"/> Specification Constraints <input type="checkbox"/> Restricted Redistribution <input type="checkbox"/> Commons Clause Restriction
Obligation	<input checked="" type="checkbox"/> Notice <input type="checkbox"/> Source Code
SPDX Short Identifier	BSD-3-Clause
Nick Name	<div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">3-clause BSD License ✖ + Add</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD 3 Clause ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD 3-Clause ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD 3-Clause License ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD 3-clause New License ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD Licence 3 ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD License 3 ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD-3 Clause ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD3 ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">BSD3_CLAUSE ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">New BSD License ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">Revised BSD ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">The BSD 3-Clause License ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">The New BSD License ✖</div> <div style="border: 1px solid #ccc; padding: 2px; margin-bottom: 2px;">XML-RPC FOR C/C++ license ✖</div>
Web site for the license	https://spdx.org/licenses/BSD-3-Clause.html
Internal URL	http://demo.fosslight.org/docx/license/BSD-3-Clause.html
	배포 시에 저작권 및 License 고지가 요구됩니다. Copyright and license notice are required when distributing the software.

보안 취약점 관리

OSS Name Exact Match OSS Version CVE ID

	OSS Name	Nickname	OSS Version ▾	Max CVSS Score ?
	~ <input type="text"/> x	~ <input type="text"/> x	~ <input type="text"/> x	>= <input type="text"/> x
301	openssl		0.9.8e-5	
302	openssl		0.9.8e-6	
303	openssl		0.9.8e-7	
304	openssl		0.9.8e-8	
305	openssl		0.9.8e-9	
306	openssl		0.9.0b	
307	openssl		0.9.0	
308	openssl		0.8.3	
309	openssl		0.8.2	
310	openssl		0.8.1	
311	openssl		0.8.0	
312	openssl		0.7.17	
313	openssl		0.7.16	
314	openssl		0.7.15	
315	openssl		0.7.14	

FOSSLight System Notification

[OSC] Vulnerability Discovered

« Vulnerability Information »

OSS ID	OSS Name	OSS Version	CVE ID	Score	Summary	Published Date	Modified Date
21777	mockserver		CVE-2021-32827	9.6	MockServer is open source software which enables easy mocking of any system you integrate with via HTTP or HTTPS. An attacker that can trick a victim into visiting a malicious site while running MockServer locally, will be able to run arbitrary code on the MockServer machine. With an overly broad default CORS configuration MockServer allows any site to send cross-site requests. Additionally, MockServer allows you to create dynamic expectations using Javascript or Velocity templates. Both engines may allow an attacker to execute arbitrary code on-behalf of MockServer. By combining these two issues (Overly broad CORS configuration + Script injection), an attacker could serve a malicious page so that if a developer running MockServer visits it, they will get compromised. For more details including a PoC see the referenced GHSL-2021-059.	2021-08-17	2021-08-26

* This mail was sent by osclge.com

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It's for communication, Please check the download location

body p

Identification > Request Review

tom.johnston | 2020-07-25 03:30:10

Identification (SRC)

tom.johnston | 2020-07-25 03:12:49

#2 I changed sax-js to licence ISC.

#6 I updated the names of three @webassembly/ packages as you suggested. The OSC system changed the names back when I uploaded them. See the attached window capture.

file:///home/tom/Pictures/Screenshot%20from%202020-07-24%2013-03-27.png

Identification (SRC)

tom.johnston | 2020-07-25 03:07:18

The following open source and license names will be changed to names registered on the system for efficient management.

Opensource Names

node-redis => node_redis

@webassemblyjs/helper-api-error => webassemblyjs

@webassemblyjs/ieee754 => webassemblyjs

@webassemblyjs/helper-fsm => webassemblyjs

Identification > Rejected

hyesung.choi | 2020-07-24 23:30:15

1. There is a typo in the OSS name. Please correct.

1) blakeemrey-change-case > blakeembrey-change-case

2. Another OSS with the same name has been registered in the OSC system. Please change the OSS name as follows.

1) chardet/0.7.0 → node-chardet/0.7.0

2) mysql/2.18.1 → mysqljs-mysql/2.18.1

FOSSLight Links

- ❑ <https://FOSSLight.org>
- ❑ <https://github.com/FOSSLight>
- ❑ <https://demo.FOSSLight.org>
- ❑ <https://FOSSLight.org/fosslight-guide>
- ❑ <https://FOSSLight.slack.com>

The image displays two side-by-side screenshots. The left screenshot is the FOSSLight website homepage, featuring a dark red background with a white circular logo containing a red arrow. Below the logo, the text reads "FOSSLight" in large white letters, followed by "Open Source Governance with FOSSLight" in smaller white text. A vertical menu on the right side lists "HUB", "SCANNER", "GUIDE", and "DEMO" in white text. At the bottom, there are three small white icons: a circular arrow, a network of nodes, and a document with a checkmark.

The right screenshot is a GitHub README page for FOSSLight. The title "FOSSLight" is prominently displayed. Below the title, a paragraph states: "To develop and distribute software containing open source software, you need to follow the OSC (Open Source Compliance) process. FOSSLight system is an integrated system that can process three steps of the OSC process sequentially." The "Features" section contains three cards: "Compliance Workflow" (with a circular arrow icon), "Compliance Hub" (with a network icon), and "Scalability" (with a server rack icon). The "Function" section at the bottom lists five categories: "Project" (with a circular arrow icon), "License / OSS" (with a stack of coins icon), "Vulnerability" (with a magnifying glass icon), "3rd Party" (with a hand holding a box icon), and "Self-Check" (with a document and checkmark icon).

LG Open Source Program Office

☐ <https://www.youtube.com/channel/UCGCKQQvHh6pgjwHmZtKi8Hw>

LG Open Source

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How to use 3rd party project in FOSSLight. (Eng ver.)	1:17	2 views	34 minutes ago
LG전자에서는 어떻게 FOSSLight을 사용하고 있을까?	1:33	38 views	6 days ago
How to use FOSSLight at LG Electronics (Eng ver.)	1:33	34 views	6 days ago

Your attention, please.

Thank YOU !!



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