

FOSSLight Hub 리뷰 자동화

LG전자 Open Source TP 민경선



LG Open Source

CONTENTS

- CoReviewer
- CoReviewer - 자동 Confirm
- Packaging - Path 자동 검출
- Upcoming FOSSLight Hub

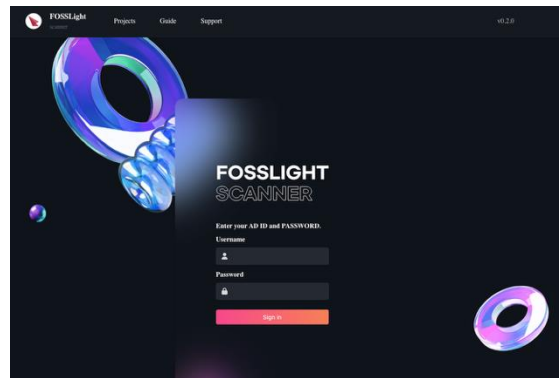
CoReviewer 이전의 리뷰 방식

오픈소스 다운로드

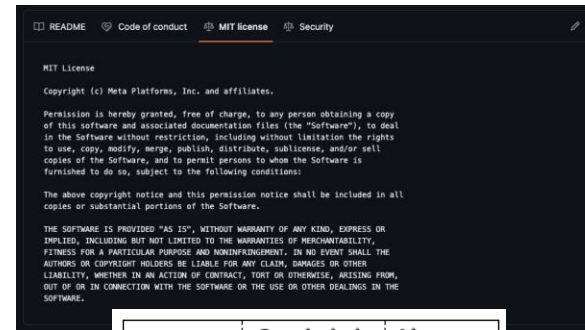
오픈소스 분석 실행

분석 내용 판단하기
• 이전 버전과 비교
• 라이선스 문구 확인

등록하기

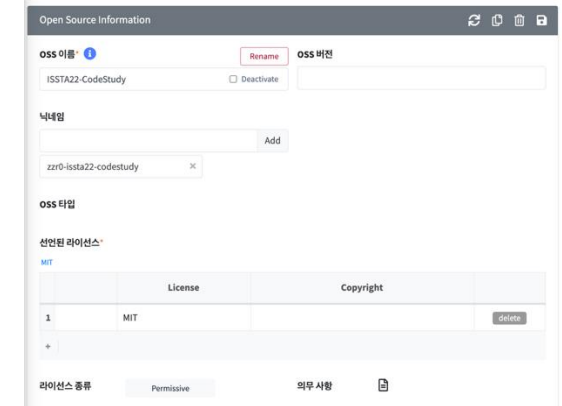


fossology Home Search Browse Upload Jobs Organize Admin Help
Getting Started with FOSSology
Version: [4.3.1.0], Branch: [master], Commit: [#9a0a6e] 2022/11/15 19:13 +09:00 built @ 2022/12/05 00:31 +09:00
FOSSology



Scanner Count	Concluded License Count	License Name
2	0	Apache-2.0
1	0	See-URL
1	0	Python

Showing 1 to 3 of 3 licenses



CoReviewer 도입

- 오픈소스 리뷰의 자동화 도입



CoReviewer 실행 방법

CoReviewer
버튼클릭



오픈소스 분석
자동 등록
결과 리포트

ID	OSS Name	OSS Version	License	Download Location	Homepage	Copyright Text	Vulnerability	Notice	Source	Restriction	admin check
267	npm:@react-le... New open source	2.1.0	Hippocratic-2.1 New license	https://www.npmj	https://www						<input type="checkbox"/>
372	npm:react-leaf...	4.2.1	Hippocratic-2.1	https://www.npmi	https://www						<input type="checkbox"/>

[CoReviewer] FAIL

1. [grpc \(2.72.0\)](#)
reason : [Existed] [grpc \(\)](#)
2. [microsoft-TemplateStudio \(fd7db0a\)](#)
reason : [New] [generic-cla, proprietary-license, unknown]
3. [microsoft-wdkmetadata \(0.12.8-experimental\)](#)
reason : [Not Included in License Text] MS-PL
4. [win32metadata \(61.0.15-preview\)](#)
reason : [Not Included in License Text] MS-PL
5. [windowsappsdk \(1.7.250606001\)](#)
reason : [Existed] [windowsappsdk \(\)](#)

[CoReviewer] SUCCESS (NEED TO CHECK)

<http://collab.lge.com/main/x/DZYppg>

1. [GuidMapping \(1.3.0\)](#)
infoMsg : [Saved] NO_LICENSE_DETECTED
2. [dotnet-runtime \(9.0.7\)](#)
infoMsg : [Detected] Unknown-License-Reference
[Same Need Review] [dotnet-runtime \(9.0.2\)](#)
3. [dotnet-runtime \(9.0.5\)](#)
infoMsg : [Detected] Unknown-License-Reference
[Same Need Review] [dotnet-runtime \(9.0.7\)](#)
4. [log4net \(3.1.0\)](#)
infoMsg : [Detected] Unknown-License-Reference
[Saved diff Version] Checkout : rel/3.1.0 / Saved : 3.1.0

[CoReviewer] SUCCESS

1. [CsWin32 \(0.3.183\)](#)
2. [ExtensionBlocks \(1.4.2\)](#)
3. [Lnk \(1.5.1\)](#)
4. [WinUIEx \(2.6.0\)](#)
5. [grpc-dotnet \(2.71.0\)](#)
6. [WinUI-Gallery \(2.6.0\)](#)
7. [serilog \(4.3.0\)](#)

CoReviewer 결과 리포트

[CoReviewer] FAIL

등록 실패

1. [grpc \(2.72.0\)](#)
reason : [Existed] [grpc \(\)](#)
2. [microsoft-TemplateStudio \(fd7db0a\)](#)
reason : [New] [generic-cla, proprietary-license, unknown]
3. [microsoft-wdkmetadata \(0.12.8-experimental\)](#)
reason : [Not Included in License Text] MS-PL
4. [win32metadata \(61.0.15-preview\)](#)
reason : [Not Included in License Text] MS-PL
5. [windowsappsdk \(1.7.250606001\)](#)
reason : [Existed] [windowsappsdk \(\)](#)

[CoReviewer] SUCCESS (NEED TO CHECK)

등록 성공, 검토
필요

<http://collab.lge.com/main/x/DZYppg>

1. [GuidMapping \(1.3.0\)](#)
infoMsg : [Saved] NO_LICENSE_DETECTED
2. [dotnet-runtime \(9.0.7\)](#)
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3. [dotnet-runtime \(9.0.5\)](#)
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[Same Need Review] [dotnet-runtime \(9.0.7\)](#)
4. [log4net \(3.1.0\)](#)
infoMsg : [Detected] Unknown-License-Reference
[Saved diff Version] Checkout : rel/3.1.0 / Saved : 3.1.0

[CoReviewer] SUCCESS

등록 성공

1. [CsWin32 \(0.3.183\)](#)
2. [ExtensionBlocks \(1.4.2\)](#)
3. [Lnk \(1.5.1\)](#)
4. [WinUIEx \(2.6.0\)](#)
5. [grpc-dotnet \(2.71.0\)](#)
6. [WinUI-Gallery \(2.6.0\)](#)
7. [serilog \(4.3.0\)](#)

CoReviewer를 통해 등록된 OSS

- 분석 결과를 확인 할 수 있도록 comment 제공

The image displays two screenshots of the CoReviewer web application interface, illustrating the process of registering Open Source Software (OSS) and viewing associated comments.

Top Screenshot (gin OSS):

- Open Source Information:**
 - OSS Name:** gin
 - OSS Version:** 1.10.1
 - Nickname:** gin-gonic-gin
 - Declared License:** MIT
- Comment Section (highlighted in red):**
 - #current_version:** OSPO 2025-10-01 10:25:53
 - [CoReviewer]:** [PRJ-11914] [민경선/책임연구원/SW공학(연)Open Source TP(kyungsun.min)]
 - [Scancode License Analysis]:** Declared License: mit(1), Full scan: mit(92) bsd-new(4), Need Review:
 - [Copyright (Full Top 3)]:** Copyright 2014 Manu Martinez-Almeida, Copyright 2017 Manu Martinez-Almeida, Copyright 2019 Gin Core Team

Bottom Screenshot (nim-uikit-ios OSS):

- Open Source Information:**
 - OSS Name:** nim-uikit-ios
 - OSS Version:** 9.7.4
 - Nickname:** netaease-im-nim_ios_uikit
 - Declared License:** MIT
- Comment Section (highlighted in red):**
 - #current_version:** OSPO 2025-09-24 13:28:17
 - [CoReviewer]:** [PRJ-12147] [최혜성/책임연구원/SW공학(연)Open Source TP(hyesung.choi)]
 - [Need to Check]:**
 - [Empty] License Text:**
 - [Scancode License Analysis]:** Declared License: mit(1101), Full scan: mit(1101), Need Review:
 - [Copyright (Full Top 3)]:** Copyright (c) 2022 NetEase Inc., Copyright (c) 2017 Kazuhiro Hayashi, Copyright (c) 2015-2019 Charles Scalesse

Page Information:

- Page Number:** 7
- Page Title:** LG Electronics Open Source Program Office

등록 실패 케이스 저장 방법

- 분석된 결과를 저장할 수 있는 UI 제공

Title	Result	OSS Name	OSS Version	OSS NickName	Declared License Name	Copyright	Download Location	Homepage	Description	Comment
취합정보		binaryornot	0.4.3 New version	pypi:binaryornot	bsd-new New license	Copyright (c) 2013, Audrey Roy	https://pypi.org/project/binaryornot/ , https://pypi.org/project/binaryornot/0	https://github.com/binaryornot/bi...		[Scancode License Analysis] Declared L
↳ binaryornot (0.4.4) 최신 등록 정보		binaryornot	0.4.3 New version	pypi:binaryornot	BSD-3-Clause		https://pypi.org/project/binaryornot/ , https://pypi.org/project/binaryornot/0	https://pypi.org/project/binaryorn...		[Scancode License Analysis] Declared L
↳ 사용자 작성 정보		pypi:binaryornot New open source	0.4.3	pypi:binaryornot Duplicate.	0BSD		https://pypi.org/project/binaryornot/ OSS with the similar link already exists.	https://github.com/binaryornot/bi...		[Scancode License Analysis] Declared L
↳ License text파일 분석 결과		binaryornot	0.4.3 New version	pypi:binaryornot	bsd-new New license		https://pypi.org/project/binaryornot/ , https://pypi.org/project/binaryornot/0	https://github.com/binaryornot/bi...		[Scancode License Analysis] Declared L
↳ Scancode 분석 결과		binaryornot	0.4.3 New version	pypi:binaryornot	bsd-new New license	Copyright (c) 2013, Audrey Roy	https://pypi.org/project/binaryornot/ , https://pypi.org/project/binaryornot/0	https://github.com/binaryornot/bi...		[Scancode License Analysis] Declared L

Title

취합정보

OSS Name

i

binaryornot

OSS Version

0.4.3

New version

Nickname

Add

pypi:binaryornot

✕

Vulnerability Info

>

Declared License

bsd-new

	License	Copyright	
1.	bsd-new		<div>delete</div>

+

|

Detected License

Add

Restriction

Copyright

Copyright (c) 2013, Audrey Roy

License Type

Obligation

Download Location

Add

https://pypi.org/project/binaryornot

✕

pkg:pypi/binaryornot

https://pypi.org/project/binaryornot/0.4.3

✕

pkg:pypi/binaryornot

Home Page

https://github.com/binaryornot/binaryornot

Summary Description

Important Notes

Comment

[Scancode License Analysis]

Declared License: bsd-new(1)

Full scan: bsd-new(5.0)

Save

Title

License text파일 분석 결과

OSS Name

i

binaryornot

OSS Version

0.4.3

New version

Nickname

Add

pypi:binaryornot

✕

Vulnerability Info

>

Declared License

bsd-new

	License	Copyright	
1.	bsd-new		<div>delete</div>

+

|

Detected License

Add

Restriction

Copyright

License Type

Obligation

Download Location

Add

https://pypi.org/project/binaryornot

✕

pkg:pypi/binaryornot

https://pypi.org/project/binaryornot/0.4.3

✕

pkg:pypi/binaryornot

Home Page

https://github.com/binaryornot/binaryornot

Summary Description

Important Notes

Comment

[Scancode License Analysis]

Declared License: bsd-new(1)

Full scan: bsd-new(5.0)

Save

Title

binaryornot (0.4.4) 최신 등록 정보

OSS Name

i

binaryornot

OSS Version

0.4.3

New version

Nickname

Add

pypi:binaryornot

✕

Vulnerability Info

>

Declared License

BSD-3-Clause

	License	Copyright	
1.	BSD-3-Clause		<div>delete</div>

+

|

Detected License

Add

Restriction

Copyright

License Type

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Download Location

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https://pypi.org/project/binaryornot

✕

pkg:pypi/binaryornot

https://pypi.org/project/binaryornot/0.4.3

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[Scancode License Analysis]

Declared License: bsd-new(1)

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Title

취합정보

OSS Name

i

binaryornot

OSS Version

0.4.3

New version

Nickname

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pypi:binaryornot

Vulnerability Info

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Declared License

bsd-new

	License	Copyright	
1.	bsd-new		<div>delete</div>

+

|

Detected License

Add

Restriction

Copyright

Copyright (c) 2013, Audrey Roy

License Type

Obligation

Download Location

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https://pypi.org/project/binaryornot

pkg:pypi/binaryornot

https://pypi.org/project/binaryornot/0.4.3

pkg:pypi/binaryornot

Home Page

https://github.com/binaryornot/binaryornot

Summary Description

Important Notes

Comment

[Scancode License Analysis]

Declared License: bsd-new(1)

Full scan: bsd-new(5.0)

Save

License text파일을 분석 결과

취합정보

binaryornot (0.4.4) 최신 등록 정보

사용자 작성 정보

License text파일 분석 결과

Scancode 분석 결과

Nickname

Add

pypi:binaryornot

Vulnerability Info

>

Declared License

bsd-new

	License	Copyright	
1.	bsd-new		<div>delete</div>

+

|

Detected License

Add

Restriction

Copyright

License Type

Obligation

Download Location

Add

https://pypi.org/project/binaryornot

pkg:pypi/binaryornot

https://pypi.org/project/binaryornot/0.4.3

pkg:pypi/binaryornot

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https://github.com/binaryornot/binaryornot

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Comment

[Scancode License Analysis]

Declared License: bsd-new(1)

Full scan: bsd-new(5.0)

Save

Title

binaryornot (0.4.4) 최신 등록 정보

OSS Name

i

binaryornot

OSS Version

0.4.3

New version

Nickname

Add

pypi:binaryornot

Vulnerability Info

>

Declared License

BSD-3-Clause

	License	Copyright	
1.	BSD-3-Clause		<div>delete</div>

+

|

Detected License

Add

Restriction

Copyright

License Type

Obligation

Download Location

Add

https://pypi.org/project/binaryornot

pkg:pypi/binaryornot

https://pypi.org/project/binaryornot/0.4.3

pkg:pypi/binaryornot

Home Page

https://pypi.org/project/binaryornot/0.4.3

Summary Description

Important Notes

Comment

[Scancode License Analysis]



























Declared License: bsd-new(1)

Full scan: bsd-new(5.0)

Save

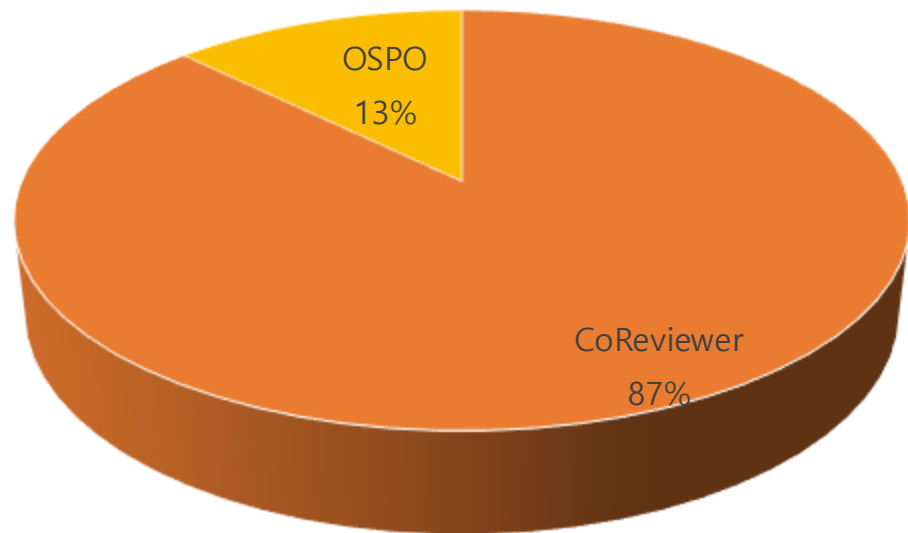
등록 실패 케이스 저장 방법

- 오픈 소스별 FOSSLight Source Scanner 분석 결과 파일 제공

#	파일명	크기	수정일시	다운로드
1	 125608840_EasternJournalist-utils3d_0.0.2.xlsx	7.5 KB	2025-10-01 10:55	
2	 125608843_PyYAML_6.0.3.xlsx	7.6 KB	2025-10-01 10:55	
3	 125608849_anyio_4.11.0.xlsx	7.6 KB	2025-10-01 10:55	
4	 125608851_boto3_1.38.18.xlsx	12.1 KB	2025-10-01 10:55	
5	 125608852_botocore_1.38.46.xlsx	24.9 KB	2025-10-01 10:57	
6	 125608855_click_8.3.0.xlsx	7.8 KB	2025-10-01 10:55	
7	 125608867_fonttools_4.60.0.xlsx	19.3 KB	2025-10-01 10:56	
8	 125608869_hf-xet_1.1.10.xlsx	11.2 KB	2025-10-01 10:55	
9	 125608870_huggingface_hub_0.35.1.xlsx	14.2 KB	2025-10-01 10:55	
10	 125608872_iopath_0.1.10.xlsx	8.3 KB	2025-10-01 10:55	
11	 125608880_mysql-connector-python_9.2.0.xlsx	51.8 KB	2025-10-01 10:55	
12	 125608882_ninja_1.13.0.xlsx	17.8 KB	2025-10-01 10:56	
13	 125608890_portalocker_3.2.0.xlsx	8.2 KB	2025-10-01 10:56	

CoReviewer 효과

- 2025년 오픈 소스 등록 기준



■ CoReviewer ■ OSPO

OSPO는 반복작업을 단순화
리뷰시간 단축 OSPO의 확인이
필요한 부분에 좀 더 집중 가능

Requestor는 리뷰 시간이
단축되어 프로세스 진행
소요시간이 감소됨



CoReviewer - 자동 Confirm

- Identification, Packaging 단계의 자동 Confirm

Identification

CoReveiwer TEST | Review | Identification > Packaging > Distribution | Discovered(N/A)

3rd party DEP SRC BIN SBOM

Auto Analysis OSS Bulk Registration Save (Binary DB)

ID	OSS Name	OSS Versio	License	Download Lo	Homepag	Copyright Text	Vulnera	Notic Sour	Restrict	admin
test soim (_Copied) Review Identification > Packaging > Distribution Need to resolve(10.0)										

Source Notice

☒ Request to generate a default OSS Notice. (Select this in most cases.)

☐ Request to generate a modified OSS Notice. (Select this only in exceptional cases.)

Comment

#identification #pre-review > open source
OSPO 2025-08-04 07:01:24
The following OSS Name has been changed.

Comment


#packaging #request review
oscAdmin 2025-10-13 15:10:04

#projectinfo #changed
u_kyungsun.min 2025-09-30 16:34:57

Packaging

Packaging – Path 자동 검출

- OSS Name, OSS version 조합으로 업로드한 Packaging 파일 내 Path에서 가장 유사한 path를 찾고,
유사한 Path를 찾은 경우만 “Path of source code in the OSS Package”를 업데이트

Open Source List to disclose source code 

* Enter the path info of source code for each OSS and click the Verify button

ID	Referen	OSS Name	OSS Version	Download Loc	Homepage	License	Path of source code in the OSS Package	File Count
2	SRC	Linux Kernel	2.0.1	https://www.k	URL	GPL-2.0	<input type="text" value="Linux Kernel-2.0.1/"/>	
3	SRC	com.itextpdf:io	7.2.3	https://mvnre	URL	AGPL-3.0	<input type="text" value="com.itextpdf:io-7.2.3/"/>	
4	SRC	geckodriver	4.5.1	https://www.n	URL	MPL-2.0	<input type="text" value="geckodriver-4.5.1/"/>	
5	SRC	org.eclipse.sisu.inject	0.3.3	https://mvnre	URL	EPL-1.0	<input type="text" value="org.eclipse.sisu.inject-0.3.3/"/>	

Page 1 of 1 Count : 4

Upcoming FOSSLight Hub

- **License 리뷰 자동화**
 - 의무사항 및 제약사항 예측
 - SPDX 등록 여부 확인
- **사용자용 CoReviewer**
 - Identification 의 SBOM을 기반으로 요약 정보 제공
 - Identification 의 수정이 필요한 사항, 진행 방법 등 사용자에게 필요한 정보 제공



Q&A

