

FOSSLight Scanner Update

LG전자 Open Source Task 김소임



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- 공통 적용 사항
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공통 적용 Update

- Exclude Option 추가 (-e option)
- 한 번의 실행으로 여러 결과 포맷 출력

Exclude path : -e path

- 분석시 제외하고 싶은 path / file 제외 가능
 - Test 폴더, 빌드 산출물, 분석에 불필요한 경로 등 제외 후 분석 가능

```
$ fosslight binary -e test/ src/test.py
```



한 번의 실행으로 여러 결과 포맷 출력

- 별도로 여러 번 실행 할 필요 X

• ex) `$ fosslight_source -f csv excel`

- 결과

- abc/fosslight_log_src_YYMMDD_HHMM.txt
- abc/fosslight_report_src_YYMMDD_HHMM.csv
- abc/fosslight_report_src_YYMMDD_HHMM.xlsx

출력가능한 포맷

- csv
- excel
- yaml
- opossum

각 Scanner별 Update

- FOSSLight Scanner
setting.json으로 param 값 저장 가능
- FOSSLight Binary Scanner
image & icon 파일 분석
중간 산출물(intermediates) 폴더와 .class 파일 분석 제외
- FOSSLight Dependency Scanner
Dependency 간 의존 관계를 그래프 이미지로 출력

FOSSLight Scanner

- setting.json으로 param 값 저장 가능
 - https://github.com/fosslight/fosslight_scanner/blob/main/tests/setting.json
 - FOSSLight Scanner 실행에 필요한 Parameters
 - 실행시 저장된 값과 다른 값을 입력한다면?
 - 입력한 값으로 실행됨

```
1  {
2    "mode": ["binary", "source"],
3    "path": ["tests"],
4    "dep_argument": "",
5    "output": "test_result_dir",
6    "format": "excel",
7    "link": "",
8    "db_url": "",
9    "timer": false,
10   "raw": true,
11   "core": -1,
12   "no_correction": false,
13   "correct_fpath": "",
14   "ui": false,
15   "exclude": ["test", "sample_license.txt"],
16   "selected_source_scanner": "scancode",
17   "source_write_json_file": true,
18   "source_print_matched_text": true,
19   "source_time_out": 120,
20   "binary_simple": false
21 }
```

FOSSLight Binary Scanner

- Image & Icon 파일 분석 가능
 - Image와 Icon도 오픈 소스 라이선스로 배포
 - 확장자 : png, gif, jpg, bmp, jpeg, ico 등

License

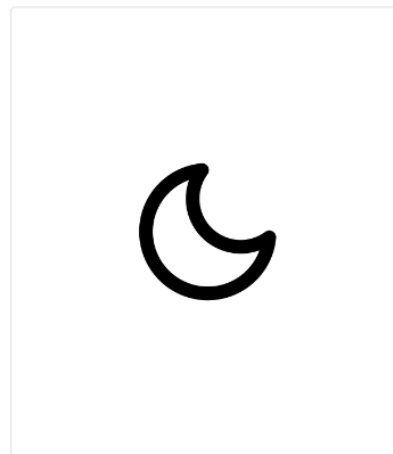
See the [licence](#) for more details.

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Free icon

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PNG SVG Other [Help with formats](#)

48 px 64 px 128 px 256 px **512 px** More sizes

Download in PNG 512 px P

Copy PNG to clipboard Alt + P

Copy Base64 PNG

FOSSLight Binary Scanner

분석에서 제외

- 중간 산출물(intermediates) 경로
 - 최종 배포에 포함되는 것이 아닌 중간 산출물로 양이 방대하여 분석 시간이 오래걸릴 수 있음

예외 처리(exclude : True)

- .class 파일
 - .class 파일 : Java 컴파일러를 통해 변환된 byte code



FOSSLight Dependency Scanner

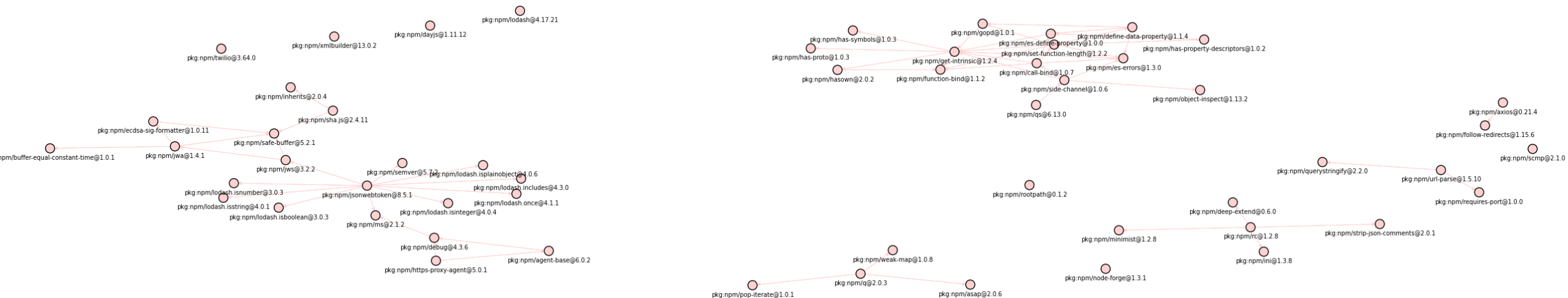
Dependency간 의존 관계를 그래프 이미지로 출력

```
$ fosslight dependency --graph-path image/graph.pdf --graph-size 1000 1000
```

- `--graph-path <save_path>`
 - 이미지를 저장할 경로&파일명
 - 3가지 포맷 중 선택
 - Ex) /path/filename.{pdf, jpg, png}
- `--graph-size`
 - 이미지 사이즈(pixel 단위)

FOSSLight Dependency Scanner

- 출력 예시



What's New

- (Beta) FOSSLight Scanner GUI
- (Beta) FOSSLight Scanner VS Code Extension
- (Hidden) FOSSLight Scanner Service

커맨드 라인으로
호출하려니
parameter
확인해야 하네...



(Beta) FOSSLight Scanner GUI

fossight_gui Public

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Go to file Add file Code

About FOSSLight Scanner GUI

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Packages No packages published Publish your first package

Contributors 4

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File	Commit Message	Time
build	feat: set FOSSLight icon	last month
src	refactor: sort classname	last month
tests	test: add test folder for scan	2 months ago
.editorconfig	build: setup initial boilerplate	5 months ago
.eslintignore	build: setup initial boilerplate	5 months ago
.eslintrc.cjs	feat: implement overall template structure	3 months ago
.gitignore	Merge branch 'feature/UI-API-integration' into develop	2 months ago
.npmrc	build: setup initial boilerplate	5 months ago
.prettiignore	build: setup initial boilerplate	5 months ago
.prettierrc.yaml	feat: implement overall template structure	3 months ago
LICENSE	docs: update README	2 months ago
README.md	build: update build setting	last month
dev-app-update.yml	build: setup initial boilerplate	5 months ago
electron-builder.yml	feat: set FOSSLight icon	last month
electron.vite.config.ts	build: revise architecture	2 months ago
package.json	build: revise version	last month
postcss.config.js	build: set up temporary script for dev env	3 months ago



https://github.com/fossight/fossight_gui

(Beta) FOSSLight Scanner GUI

- 설치 & 실행 방법

- FOSSLight Scanner 설치 **잠깐! Virtualenv에서 설치하지 말 것!**

```
$ pip install fosslight_scanner
```

- GUI source code Clone

```
$ git clone git@github.com:fossight/fosslight\_scanner\_gui.git
```

Npm과 yarn 설치 필수!

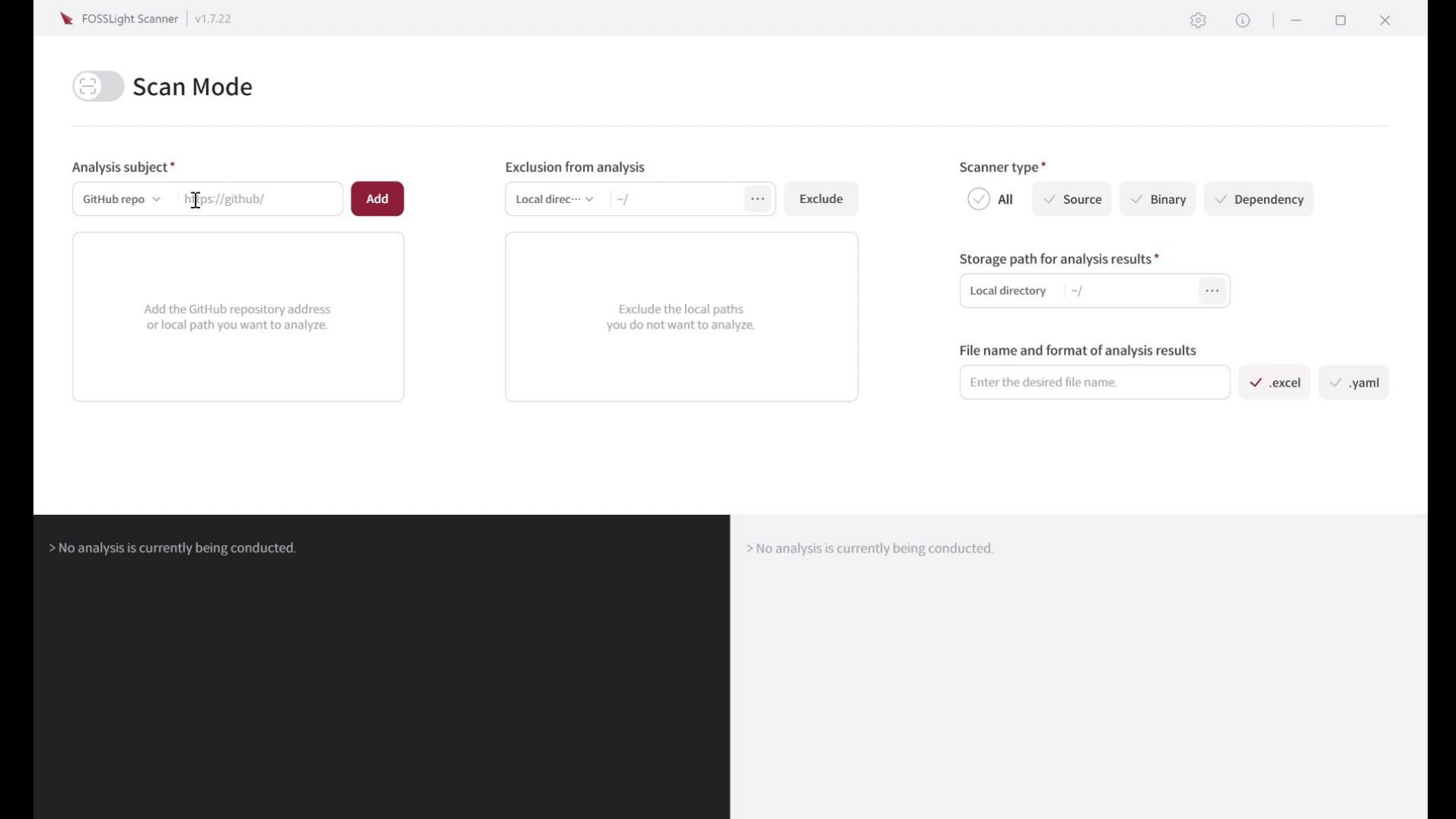
- yarn 커맨드 실행

```
$ yarn
```

- yarn dev 커맨드 실행

```
$ yarn dev
```

(Beta) FOSSLight Scanner GUI – Scan Mode



FOSSLight Scanner | v1.7.22

Scan Mode

Analysis subject *

GitHub repo

Add the GitHub repository address or local path you want to analyze.

Exclusion from analysis

Local direc...

Exclude the local paths you do not want to analyze.

Scanner type *

All Source Binary Dependency

Storage path for analysis results *

Local directory

File name and format of analysis results

.excel .yaml

> No analysis is currently being conducted.

(Beta) FOSSLight Scanner GUI – Compare Mode

FOSSLight Scanner | v1.17.26

Scan Mode

Analysis subject*

GitHub repo

Add the GitHub repository address or local path you want to analyze.

Exclusion from analysis

Local direc...

Exclude the local paths you do not want to analyze.

Scanner type*

All Source Binary Dependency

Storage path for analysis results*

Local directory

File name and format of analysis results

.excel .yaml

> No analysis is currently being conducted.

> No analysis is currently being conducted.

(Beta) VS Code Extension

Experimental version

The screenshot displays the VS Code interface with the Extensions Marketplace open. The search results show the **FOSSLight Scanner** extension by LG Electronics. The extension page is selected, showing the following details:

- Extension Name:** FOSSLight Scanner v0.0.3
- Author:** LG Electronics (5 stars)
- Description:** A VSCode Extension made for the convenient use of FOSSLight Scanner
- Categories:** Other
- Extension Resources:** Marketplace, Repository, License, LG Electronics
- More Info:**
 - Published: 2024-07-15, 13:28:06
 - Last released: 2024-07-28, 15:43:10
 - Identifier: lgopensource.fossilight-scanner

FOSSLight Scanner README

FOSSLight Scanner is an opensource project that can perform an analysis for open source compliance at once. It can perform open source analysis of source code, binary and dependency.

Features

This extension enhances user convenience by enabling key functionalities of the Fossilight Scanner project directly within the VS Code development environment. The main features include the functions below and will be consistently updated.

1. Running source, binary, and dependency scanner on the root directory
2. Running source scanner on the currently active file in the code editor

Requirements

1. Python 3.8+.
2. (Only for windows) Install Microsoft Build Tools (Microsoft Visual C++ 14.0+) from <https://visualstudio.microsoft.com/ko/visual-cpp-build-tools/>

Release Notes

1.0.0

Initial release of FOSSLight Scanner VSCode extension.

For more information

- [FOSSLight Scanner Official Website](#)

License

Unless otherwise specified, all content, including all source code files and documentation files in this repository are:

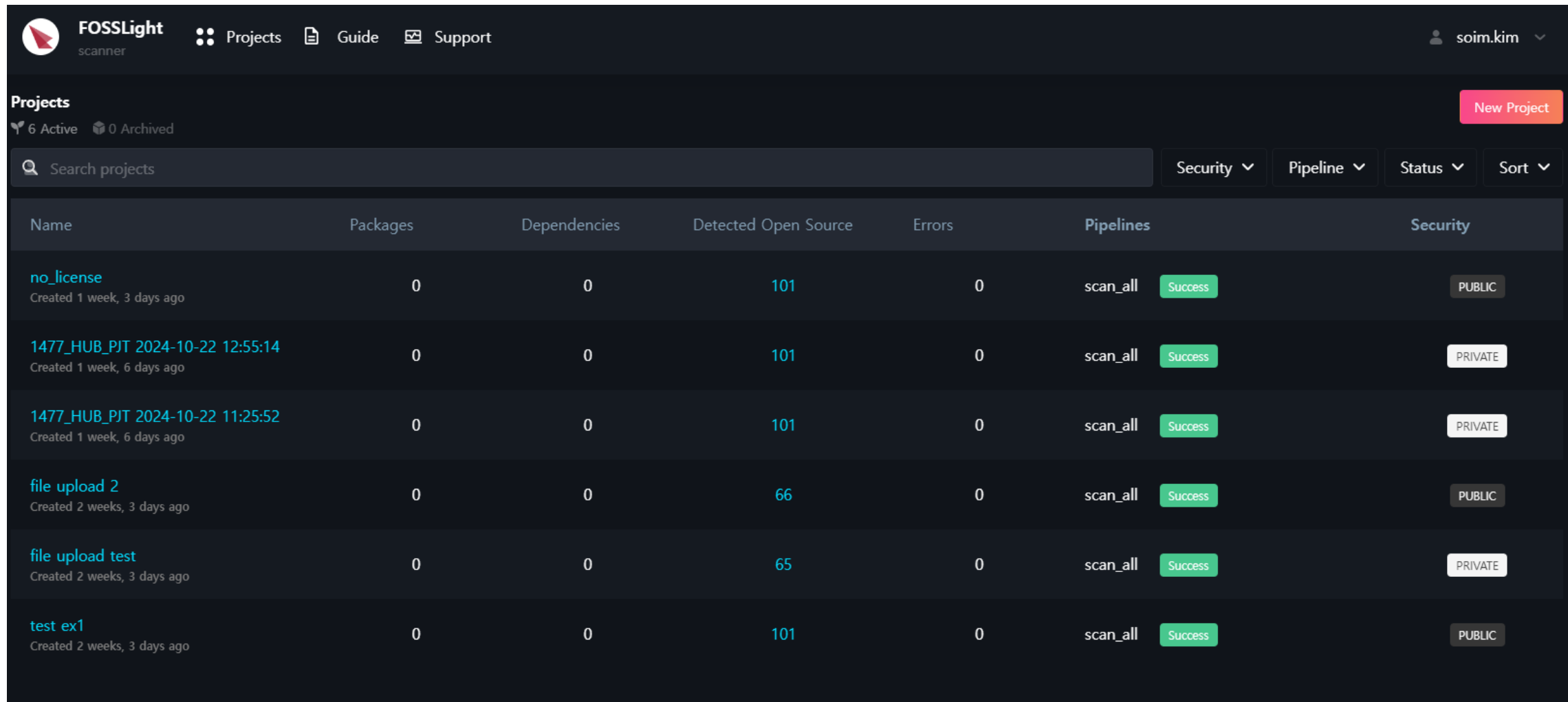
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FOSSLight
Scanner를 설치 없이
실행하고 분석 결과를
다른 User와 공유할
순 없을까?

(Hidden) FOSSLight Scanner Service



The screenshot displays the FOSSLight scanner interface. At the top, there is a navigation bar with the FOSSLight logo, a 'scanner' label, and links for 'Projects', 'Guide', and 'Support'. The user 'soim.kim' is logged in. Below the navigation bar, there is a 'Projects' section with a 'New Project' button and a search bar. The main content is a table listing projects with various metrics and actions.

Name	Packages	Dependencies	Detected Open Source	Errors	Pipelines	Security
no_license Created 1 week, 3 days ago	0	0	101	0	scan_all Success	PUBLIC
1477_HUB_PJT 2024-10-22 12:55:14 Created 1 week, 6 days ago	0	0	101	0	scan_all Success	PRIVATE
1477_HUB_PJT 2024-10-22 11:25:52 Created 1 week, 6 days ago	0	0	101	0	scan_all Success	PRIVATE
file_upload 2 Created 2 weeks, 3 days ago	0	0	66	0	scan_all Success	PUBLIC
file_upload test Created 2 weeks, 3 days ago	0	0	65	0	scan_all Success	PRIVATE
test ex1 Created 2 weeks, 3 days ago	0	0	101	0	scan_all Success	PUBLIC

(Hidden) FOSSLight Scanner Service

The screenshot displays the FOSSLight Scanner web interface. At the top, the navigation bar includes the FOSSLight logo, 'Projects', 'Guide', and 'Support' links, and a user profile for 'soim.kim'. The main header shows the project path 'Projects > 1477_HUB_PJT 2024-10-22 12:55:14' and a 'Created 1 week, 6 days ago' timestamp. A 'Settings' icon and a 'New Project' button are also visible.

The summary section features four cards: 'PACKAGES' (0), 'DEPENDENCIES' (0), 'DETECTED OPEN SOURCE' (101), and 'ERRORS' (0). Below this, a 'Download results as:' section offers three options: 'FOSSLight Scanner Result' (highlighted in green), 'FOSSLight Prechecker Result', and 'FOSSLight Binary Result'.

The interface is divided into two columns. The left column contains 'Inputs' (showing 'example.zip' at 17.0 MB and an 'Add inputs' button), 'Files' (listing directories like .git, .github, LICENSES, bin, src, third_party and files like .gitignore, CODE_OF_CONDUCT.md, CONTRIBUTING.md, LICENSE, README.md, package-lock.json, and package.json), and 'Pipelines' (showing 'scan_all' with a 'Success' status and an 'Add pipeline' button). The right column contains 'Detected Open Source' (showing '(no status): 101').



Q&A

