

# 오픈소스 라이선스

## 사전/실시간 검증도구 소개

2022. 5. 25.

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# 오픈소스화 참여 현황

## □ 13개사 29명 참여 의사 확인

- 오픈소스 DB 통합 논의 진행 중 (삼성전자, 카카오, LG전자)

소속	성명	관심분야
삼성전자	홍문기, 안다래, 김태완, 정윤환	
NIPA	한복미	오픈소스 프로젝트 운영
SKT	장학성	검증도구
카카오	황은경, 김영환	검증 DB, 검증도구
LG전자	김경애, 홍종호	검증 DB, 검증도구, 프로젝트 운영
SK주식회사	조정년	검증도구, 컴플라이언스 정책
ETRI	박정숙, 류원옥	검증도구, 컴플라이언스 정책, 프로젝트 운영
NCSOFT	한지호, 한다솜, 김다운, 강병수, 유건우	사후검증도구, 컴플라이언스 정책
현대오토에버	류창한, 이지현	검증 DB, 검증도구
현대모비스	전미진, 이영준	사전검증도구, 컴플라이언스 정책, 프로세스 자동화
현대자동차	백송하, 이창우, 진소윤	검증 DB, 사전검증도구, 컴플라이언스 정책
라인플러스	이서연, 김동혁	검증 DB, 검증도구
카카오뱅크	하헌관, 이민애	컴플라이언스 정책, 프로젝트 운영, 프로세스 구축

# 사전 검증 (1/3)



.NET

.NET is a cross-platform runtime for cloud, mobile, desktop, and IoT apps.



cloud services internet of things cloud environments security issues runtime systems

## Project Details (as of 2022-05-24)

✔ The usage of this project is permitted. Please observe the Obligations in the license information and use it.

Homepage: <https://docs.microsoft.com/dotnet/core/>

Project Life Time: 2019-09-25 - 2022-05-24

License: MIT

Total Commits: 64888

Samsung Commits: 572

Total Contributors: 1801

Samsung Contributors: 33

## List of Repositories (2)

Repository	URL	Forks	Stars	Latest Version	License
dotnet/runtime	<a href="https://github.com/dotnet/runtime">https://github.com/dotnet/runtime</a>	2538	8996	v5.0.17	N/A
dotnet/maui	<a href="https://github.com/dotnet/maui">https://github.com/dotnet/maui</a>	-	15383	6.0.312	MIT

## Contribution Dashboard

### Top Commits by Company

#1 Microsoft 34505

### Commit graph



### Company contribution chart



# 사전 검증 (2/3)

## 라이선스

검색하신 문구가 포함된 라이선스에 대한 정보가 제공됩니다



Apache-2.0  
Apache License 2.0



### 라이선스 소개



A permissive license whose main conditions require preservation of copyright and license notices. Contributors provide an express grant of patent rights. Licensed works, modifications, and larger works may be distributed under different terms and without source code.

### SPDX Identifier

Apache-2.0

### 사용 가능 여부

- 아래 의무사항(Obligations)을 준수하셔서 사용하시기 바랍니다

### 사용시 의무 사항

- 라이선스 전문 명시
- 저작권/Attribution 고지
- 수정 사실 내용 고지

### 충돌 라이선스

LGPL-2.0-only, GPL-2.0\_with\_linux-syscall-note, LGPL-2.1-only, LGPL-2.1-or-later, GPL-2.0-or-later, LGPL-2.0-or-later, GPL-2.0-only

### 라이선스 전문

Apache License

# 사전 검증 (3/3)

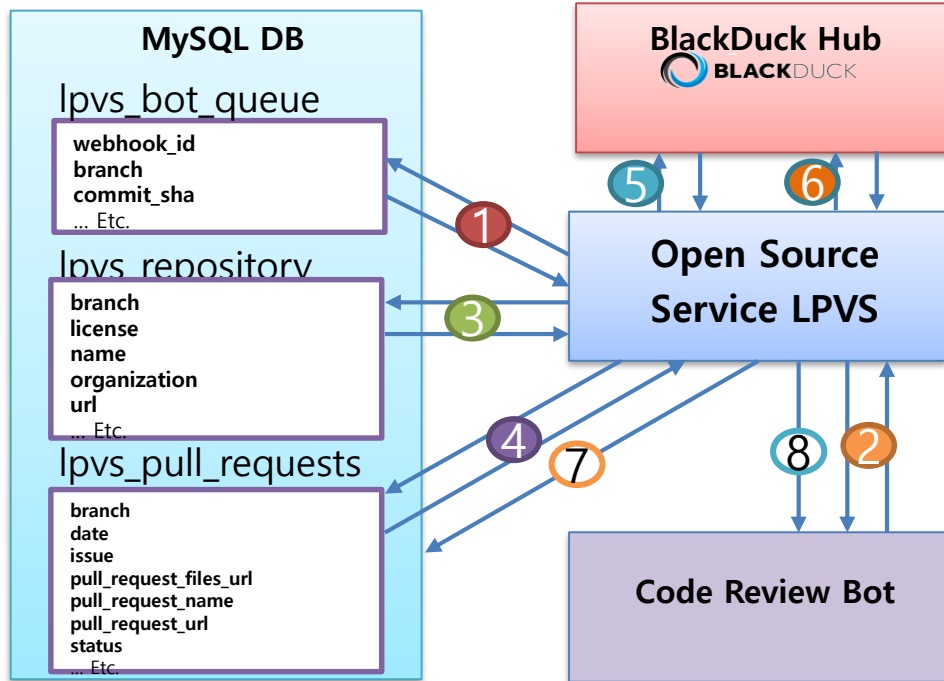
## Edit License Details

Full Name	Apache License 2.0
Description	A permissive license whose main conditions require preservation of copyright and license notices. Contributors provide an express grant of patent rights. Licensed works, modifications, and larger works may be distributed under different terms and without source code.
Use in Samsung	Permitted
Obligations	<input checked="" type="checkbox"/> 라이선스 전문명시 (Include License Text) <input checked="" type="checkbox"/> 저작권/Attribution 고지 (Include Copyright & Attribution) <input type="checkbox"/> 소스코드 제공 (Disclose Source Code) <input checked="" type="checkbox"/> 수정 사실 내용 고지 (Modification Notice)
Note (KR)	
Note (EN)	
Conflict Info	LGPL-2.0-only;GPL-2.0_with_linux-syscall-note;LGPL-2.1-only;LGPL-2.1-or-later;GPL <small>Please, enter licenses with ";" as a delimiter.</small>
Full Text	Apache License Version 2.0, January 2004 <a href="http://www.apache.org/licenses/">http://www.apache.org/licenses/</a>

# 실시간 검증 (1/6)

## □ Github PR 코드 리뷰

- Github webhook 설정 > LPVS (License Pre-Validation System) > PR Comment, SOSHUB



# 실시간 검증 (2/6)

## □ webhook 설정

Options

Collaborators & teams

Branches

**Hooks**

Notifications

Integrations & services

Deploy keys

Custom tabs

Autolink references

Security alerts

Webhooks / Add webhook

We'll send a POST request to the URL below with details of any subscribed events. Y format you'd like to receive (JSON, x-www-form-urlencoded, etc). More information c documentation.

**1** Payload URL \*

http://10.199.2.27:7896/webhooks

**2** Content type

application/json

**3** Secret

....

Which events would you like to trigger this webhook?

Just the push event.

Send me everything.

**4**  Let me select individual events.

Check runs  
Check run is created, requested, rerequested, or completed.

Check suites  
Check suite is requested, ree

Project cards  
Project card created, updated, or deleted.

Visibility changes  
Repository changes from private to public.

Pull request reviews  
Pull request review submitted, edited, or dismissed.

Repositories  
Repository created, deleted, archived, unarchived, publicized, privatized, edited, renamed, or transferred.

Stars  
A star is created or deleted from a repository.

Team adds  
Team added or modified on a repository.

Active  
We will deliver event details when this hook is triggered.

Project columns  
Project column created, updated, moved or deleted.

Pull requests  
Pull request opened, closed, reopened, edited, assigned, unassigned, review requested, review request removed, labeled, unlabeled, synchronized, ready for review, locked, or unlocked.

Pull request review comments  
Pull request diff comment created, edited, or deleted.

Repository vulnerability alerts  
Security alert created, resolved, or dismissed on a repository.



Statuses  
Commit status updated from the API.

Watches  
User stars a repository.



**Add webhook**



# 실시간 검증 (3/6)


## □ PR 코멘트

 **Merged** Implemented UI for repo card license update #1093  
o-kopysov merged 1 commit into `develop-3.0` from `edit-card`  on 22 Apr

---

  o-kopysov deleted the `edit-card` branch on 22 Apr

  **review-bot** reviewed on 24 Apr [View changes](#)

**review-bot** left a comment Collaborator  ...

[Open Source License Validation] No license issue detected

Check the validation details on [SOSHUB LPVS](#)



# 실시간 검증 (4/6)

## □ LPVS 히스토리

### License Validation History

Pull Request

Search

Clear

①

ID	Pull Request	Status ▾	Date ▾	Issue
FS	Scheduled repository scanning	COMPLETED	Oct 11, 2020, 3:06:48 AM	

### License Validation History

Pull Request

Search

Clear

②

ID	Pull Request	Status ▾	Date ▾	Issue
FS	Scheduled repository scanning	COMPLETED	Oct 11, 2020, 3:06:48 AM	
2	Add files via upload	ISSUE DETECTED	Oct 6, 2020, 12:00:18 PM	RESTRICTED CONFLICTS

# 실시간 검증 (5/6)

## □ LPVS 히스토리

### License issues

File Path	Component (Version)	Component license	Type
<a href="#">ether.c</a>	U-Boot (v2011.03-rc1)	LGPL-3.0-or-later GPL-3.0-or-later GPL-2.0-or-later	<b>RESTRICTED</b> <b>CONFLICTS</b>
<a href="#">cache.c</a>	QEMU (2.12.0-rc0)	GPL-2.0-or-later	<b>RESTRICTED</b> <b>CONFLICTS</b>
<a href="#">denali_ecc.c</a>	U-Boot (v1.3.3-rc1)	LGPL-3.0-or-later GPL-2.0-or-later	<b>RESTRICTED</b> <b>CONFLICTS</b>

# 실시간 검증 (6/6)

## □ LPVS 히스토리

Scanned File Path:

[https://github.sec.samsung.net/e-osipchuk/test\\_soshub/blob/test\\_1/ether.c](https://github.sec.samsung.net/e-osipchuk/test_soshub/blob/test_1/ether.c)

Matched Component:

**U-Boot**

Snippet match: 100%

Matched lines: 1 - 435;

```
1 /*
2 * (C) Copyright 2007
3 * Wolfgang Denk, DENX Software Engineering, wd@denx.de.
4 *
5 * Author: Igor Lisitsin <igor@emcraft.com>
6 *
7 * See file CREDITS for list of people who contributed to this
8 * project.
9 *
```

[Open on GitHub](#)

Close

**감사합니다.**