

# ● 전자정부 표준프레임워크 컨트리뷰션



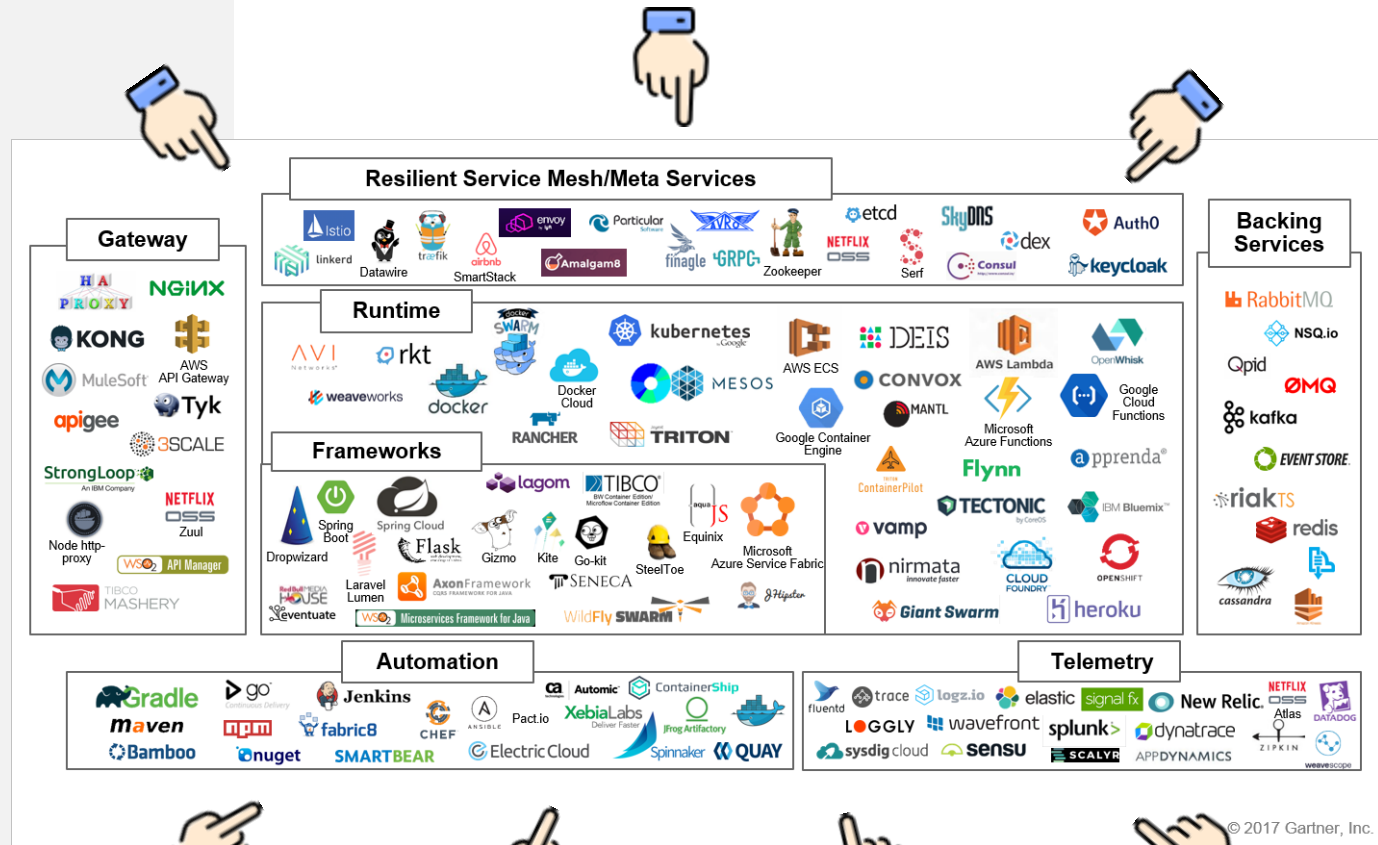
- I 지원 동기
- II 오픈소스 컨트리뷰션 탐색
- III 표준프레임워크 컨트리뷰션 참여
- IV Lesson & Learned

# 지원동기



# Needs

오픈소스 역량  
필요성



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# Chance

표준프레임워크  
컨트리뷰션 개최



## 2021 전자정부 표준프레임워크 컨트리뷰션 참가자 모집

2021.3.31(수) - 7.31(토)

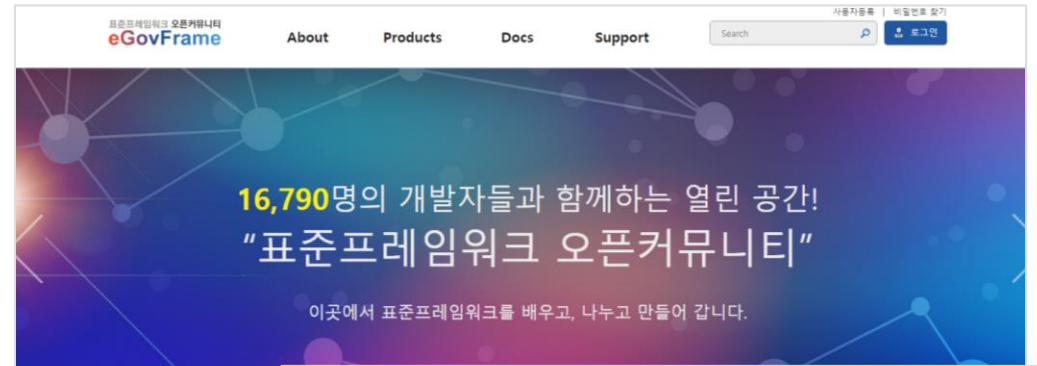
전자정부 표준프레임워크 GitHub를 통해  
개발자분들의 의견을 받습니다!

평소 전자정부 표준프레임워크에 바라는게 있는 분  
내가 개발한 공통기능을 전자정부 표준프레임워크에 적용시켜보고 싶었던 분  
전자정부 표준프레임워크에 관심 있으신 모든 개발자를 환영합니다!

여러분의 많은 참여 부탁드립니다.

# Convince

놓칠 수 없는  
확실한 기회



eGovframe기술세미나  
98차 세미나(2021.10.21) - 전자정부 표준프레임워크 4.0 기반의 MSA 활용 및 소

The poster is titled '2021 오픈커뮤니티 리더와 함께하는 전자정부 표준프레임워크 컨트리뷰션 멘토링'. It features a blue speech bubble with '2021' and a bear character holding a sign that says '멘토링 합시다!!'. The text explains the program: '컨트리뷰션 멘토링이란? <전자정부 표준프레임워크 컨트리뷰션> 참여를 희망하시는 분들을 대상으로 표준프레임워크 전문가 그룹 오픈커뮤니티 리더가 컨트리뷰션 관련된 도움을 드리는 프로그램입니다.'



# 오픈소스 컨트리뷰션 탐색



매월 온라인 세미나  영상을 공유합니다  
**기술 나눔 열린공간**


**표준프레임워크 오픈커뮤니티**  
 구독자 134명 구독

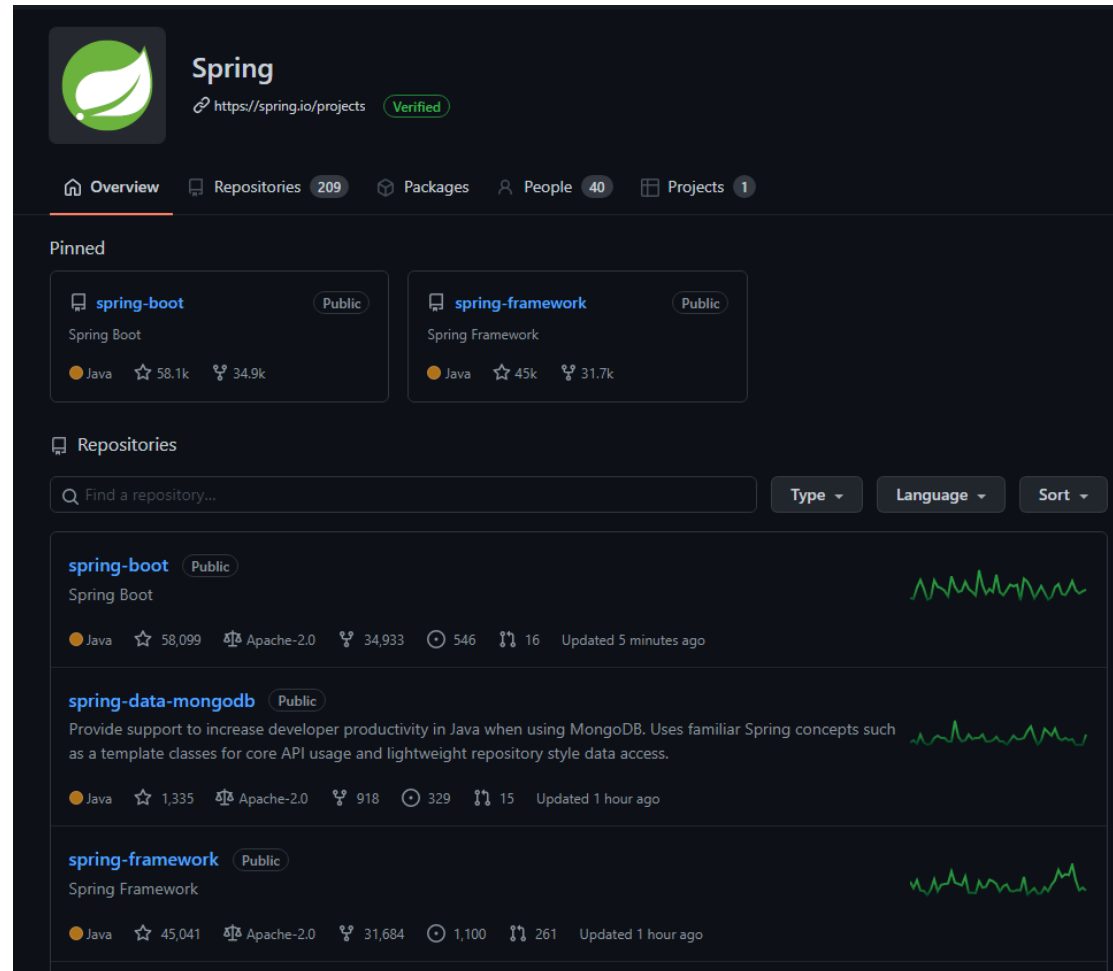
홈 동영상 재생목록 채널 정보 🔍 >

업로드한 동영상 ≡ 정렬 기준

 <p>1:39:16</p> <p>나도 해보자! 표준프레임워크 GitHub 컨트리뷰터(실전편)...</p>	 <p>1:21:30</p> <p>표준프레임워크 GitHub 컨 리뷰터 되어보기(이론편) 오...</p>	 <p>2:26:06</p> <p>표준프레임워크 오픈커뮤니티 10주년 기념세미나★세미나...</p>
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# Global Opensource Best Practice

Spring



The screenshot displays the GitHub profile for the Spring organization. At the top, the Spring logo is shown next to the name "Spring" and a verified badge. Below this, navigation tabs include Overview, Repositories (209), Packages, People (40), and Projects (1). The "Pinned" section features two repositories: "spring-boot" (Public, Java, 58.1k stars, 34.9k forks) and "spring-framework" (Public, Java, 45k stars, 31.7k forks). The "Repositories" section is filtered by "Type" and "Language" (Java). It lists three repositories with their respective statistics and commit activity:

- spring-boot** (Public): Spring Boot, Java, 58,099 stars, Apache-2.0 license, 34,933 forks, 546 commits, 16 issues, updated 5 minutes ago.
- spring-data-mongodb** (Public): Provide support to increase developer productivity in Java when using MongoDB. Uses familiar Spring concepts such as a template classes for core API usage and lightweight repository style data access. Java, 1,335 stars, Apache-2.0 license, 918 forks, 329 commits, 15 issues, updated 1 hour ago.
- spring-framework** (Public): Spring Framework, Java, 45,041 stars, Apache-2.0 license, 31,684 forks, 1,100 commits, 261 issues, updated 1 hour ago.



# Global Opensource Best Practice

Google

The screenshot displays the GitHub profile for Google's Open Source projects. At the top, the Google logo is followed by the name 'Google' and the text 'Google ❤️ Open Source'. Below this, there are links for the website (https://opensource.google/), Twitter (@GoogleOSS), and email (opensource@google.com), along with a 'Verified' badge. The navigation bar includes 'Overview', 'Repositories 2.1k', 'Packages', 'People 1.1k', and 'Projects'. The 'Popular repositories' section lists six projects:

- material-design-icons** (Public): Material Design icons by Google. 44.3k stars, 9k forks.
- guava** (Public): Google core libraries for Java. 42.9k stars, 9.5k forks.
- material-design-lite** (Public): Material Design Components in HTML/CSS/JS. 31.9k stars, 5.2k forks.
- styleguide** (Public): Style guides for Google-originated open-source projects. 29.2k stars, 11.4k forks.
- leveldb** (Public): LevelDB is a fast key-value storage library written at Google that provides an ordered mapping from string keys to string values. 27k stars, 6k forks.
- googletest** (Public): GoogleTest - Google Testing and Mocking Framework. 24.2k stars, 8k forks.

# Global Opensource Best Practice

Microsoft

The screenshot shows the Microsoft Open Source profile on GitHub. At the top left is the Microsoft logo. To its right, the name "Microsoft" is displayed in white, followed by the subtitle "Open source projects and samples from Microsoft". Below this, the location "Redmond, WA" is shown with a location pin icon, followed by the website URL "https://opensource.microsoft.com", the Twitter handle "@OpenAtMicrosoft", and the email "opensource@microsoft.com". A green "Verified" badge is on the far right. A navigation bar below the header includes "Overview" (selected), "Repositories 4.5k", "Packages", "People 4.4k", "Projects 11", and "Sponsoring 24". The main content area features a "README.md" section with the text "Open. Collaborative. Flexible." in large blue font. To the right of this text is a grid of 16 colorful geometric shapes. Below the text, a paragraph states: "Open Source enables Microsoft products and services to bring choice, technology and community to our customers." A "Get Involved" section follows, with the text: "Right now, open communities are building amazing software together, and there are excellent 'good first issue' opportunities, if you're looking to get involved." Below this are two bullet points: "Explore featured projects" and "Explore open source jobs at Microsoft". At the bottom, it says "Visit [opensource.microsoft.com](https://opensource.microsoft.com) to learn more!"

# Global Opensource Best Practice

Netflix

**NETFLIX OSS** Netflix, Inc.  
Netflix Open Source Platform  
Los Gatos, California | <http://netflix.github.io/> | [netflixoss@netflix.com](mailto:netflixoss@netflix.com)

Overview | Repositories **205** | Packages | People **20** | Projects

### Popular repositories

Repository	Language	Stars	Forks	License
<b>Hystrix</b>	Java	22.2k	4.5k	Public
<b>zuul</b>	Java	11.5k	2.1k	Public
<b>chaosmonkey</b>	Go	11.5k	838	Public
<b>eureka</b>	Java	10.9k	3.4k	Public
<b>falcor</b>	JavaScript	10.1k	471	Public
<b>pollyjs</b>	JavaScript	9.1k	349	Public

# README

☰ README.md



**Spring Framework** build passing Revved up by Gradle Enterprise

This is the home of the Spring Framework: the foundation for all [Spring projects](#). Collectively the Spring Framework and the family of Spring projects are often referred to simply as "Spring".

Spring provides everything required beyond the Java programming language for creating enterprise applications for a wide range of scenarios and architectures. Please read the [Overview](#) section as reference for a more complete introduction.

## Code of Conduct

This project is governed by the [Spring Code of Conduct](#). By participating, you are expected to uphold this code of conduct. Please report unacceptable behavior to [spring-code-of-conduct@pivotal.io](mailto:spring-code-of-conduct@pivotal.io).

## Access to Binaries

For access to artifacts or a distribution zip, see the [Spring Framework Artifacts](#) wiki page.

## Documentation

The Spring Framework maintains reference documentation ([published](#) and [source](#)), Github [wiki pages](#), and an [API reference](#). There are also [guides](#) and [tutorials](#) across Spring projects.

## Micro-Benchmarks

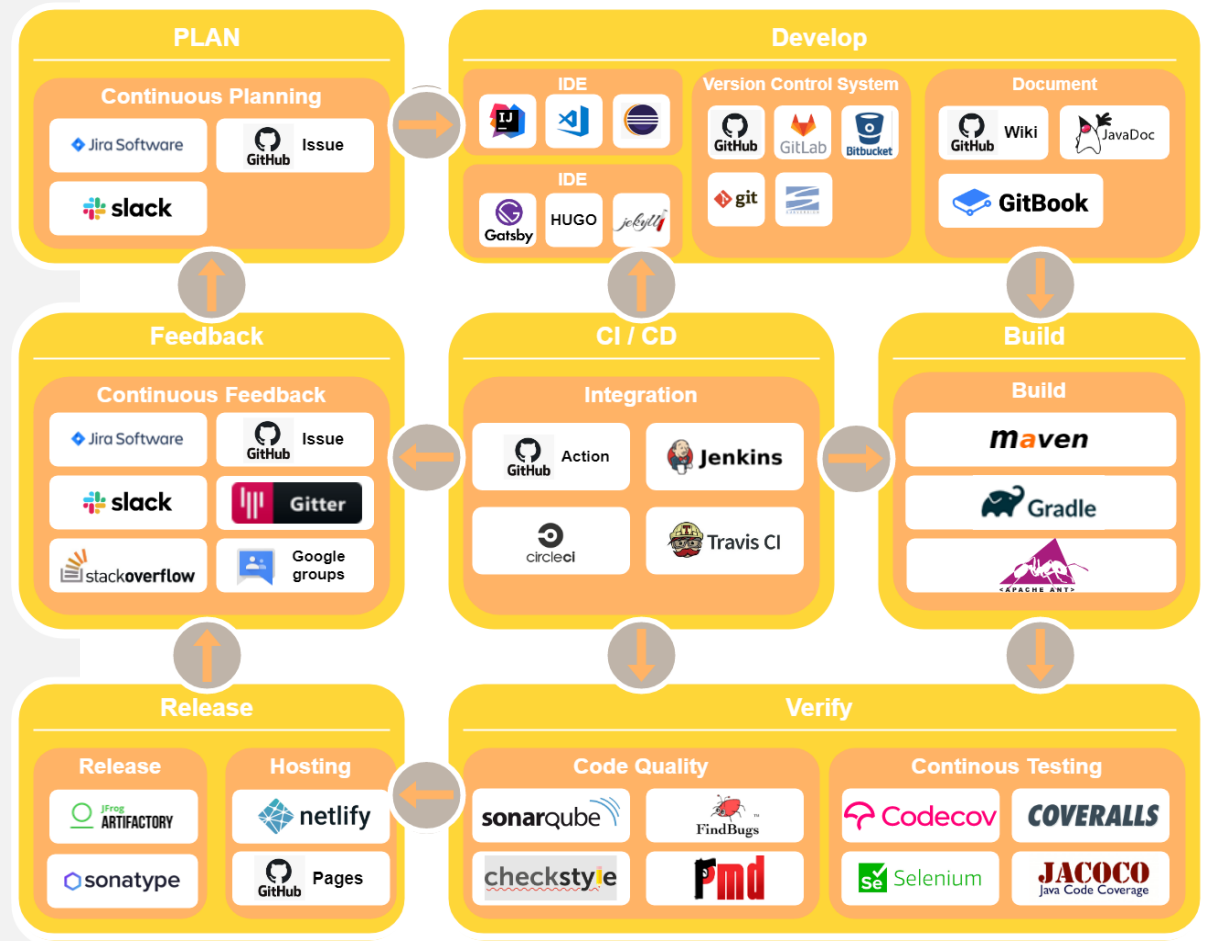
See the [Micro-Benchmarks](#) Wiki page.

## Build from Source

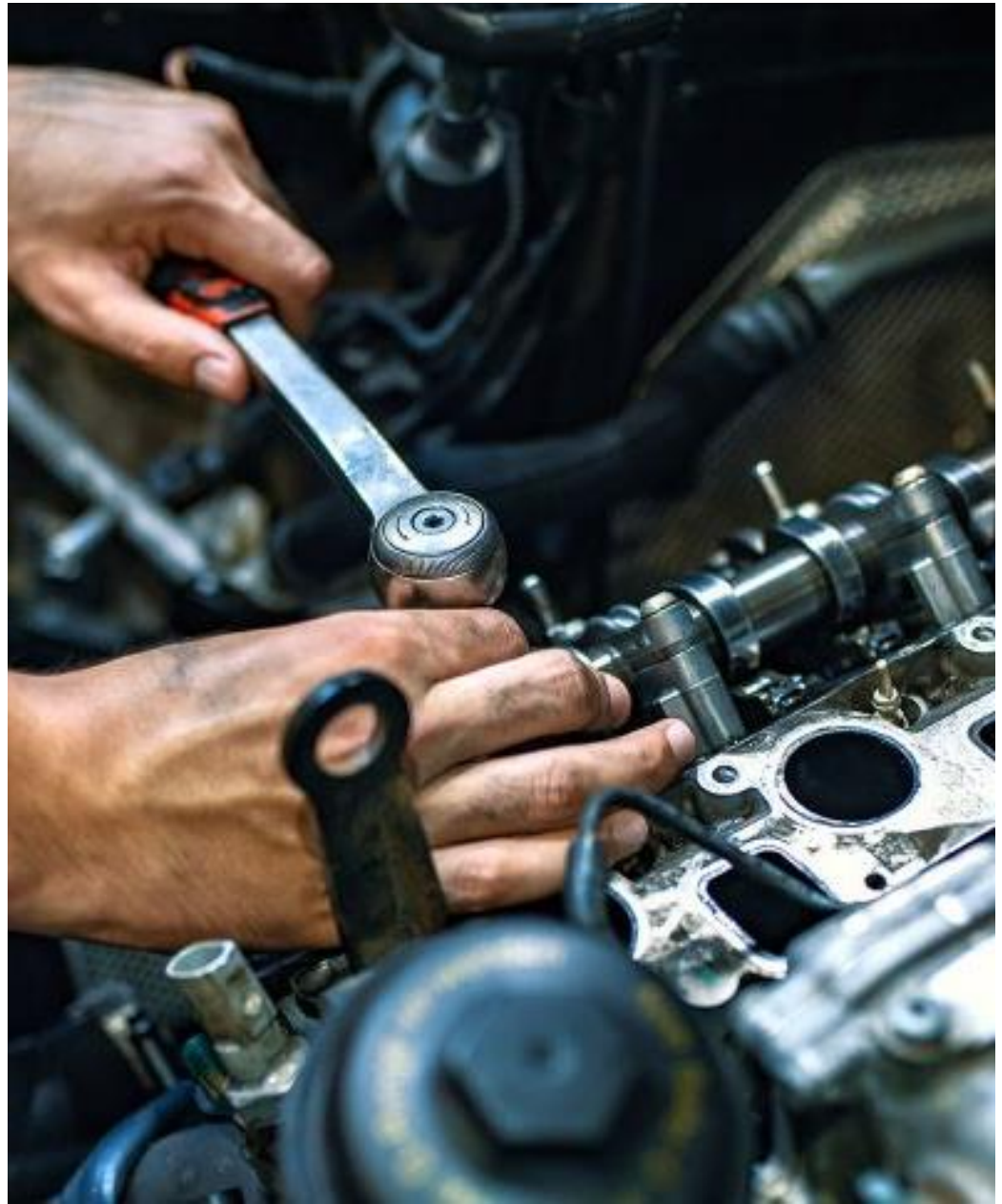
See the [Build from Source](#) Wiki page and the [CONTRIBUTING.md](#) file.

## Continuous Integration Builds

# 오픈소스 프로젝트 개발 라이프사이클 DevOps



# 표준프레임워크 컨트리뷰션 참여





# Mentorship

Group/Personal Mentoring  
Other Support



# README

Before

☰ README.md

## 표준프레임워크 실행환경 Release Notes

### 2020.12.05 실행환경 4.0.0 alpha

- Spring Boot 2.2.\* 지원
- 실행환경 groupId 와 artifactId 변경 (egovframework.rte -> org.egovframe.rte)
- 실행환경 오픈소스 버전 업그레이드 (Spring Framework 4.3.25 -> 5.2.5)
- 실행환경 오픈소스 버전 업그레이드 (Spring Security 4.3.13 -> 5.2.3)
- 실행환경 오픈소스 버전 업그레이드 (Spring Data JPA 1.11.23 -> 2.2.3)
- 실행환경 오픈소스 버전 업그레이드 (Spring Batch 3.0.10 -> 4.2.2)

# README

After

The screenshot shows a code editor window titled 'README.md'. At the top, there are two language selection buttons: 'language English' and 'language Korean'. Below this is the 'eGovFrame' logo in a multi-colored font. A statistics bar follows, showing: contributors 2, forks 20, stars 6, issues 3 open, build passing, quality gate passed, and coverage 7.8%. The main content of the README is as follows:

## eGovFrame Runtime

eGovernment Standard Framework - Runtime Environment

### Description

Common modules necessary for the execution of business logic programs in eGovernment project. Application programming environment to facilitate the standardized development of screens, server programs and data.

### Getting Started

eGovFrame Runtime uses the Maven framework.

### Prerequisites

- Maven, version 3+
- Java JDK 1.7+

### How to build

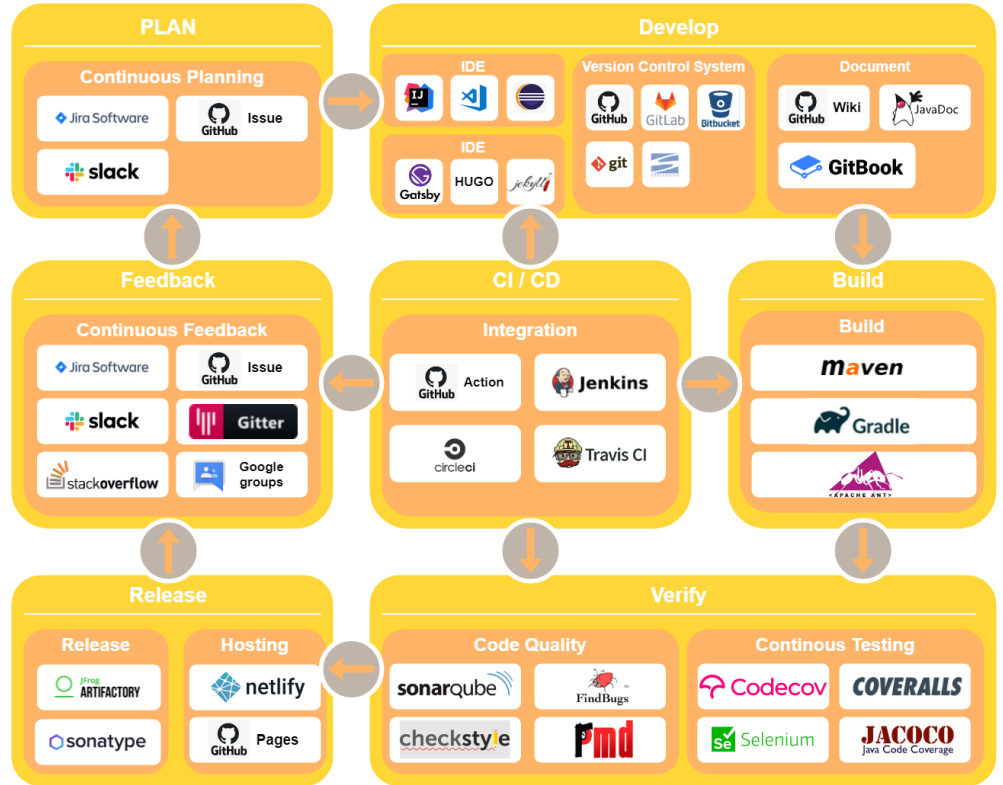
#### Building it

This is a Maven project, and to build it use the following command:

```
$ mvn clean install
```

# DevOps

Build  
Code Quality  
Test Coverage



Travis CI

sonarcloud

**JACOCO**  
Java Code Coverage

# DevOps

## Build

Travis CI Dashboard

Search all repositories

My Repositories Running (0/0)

openlenalab / egovframe-runtime **build passing**

Current Branches Build History Pull Requests More options

Status	Job Name	Commit	Duration	Finished
✓	ci-setting Update README.md	bf0b8e2	6 min 58 sec	a day ago
✓	ci-setting add CamelCaseUtil.java test case	f45f600	5 min 52 sec	4 months ago
✓	ci-setting Revert "build 시 test 강제 수행 명령어 제거"	ea219e2	5 min 55 sec	4 months ago
✗	ci-setting test 수행 하도록 pom.xml 수정	161dced	4 min 27 sec	4 months ago
✓	ci-setting Merge remote-tracking branch 'origin/develop' into 'ci-setting'	c293f8c	6 min	4 months ago
✓	ci-setting Merge branch 'ci-setting' of https://github.com:openlenalab/egovframe-runtime	f931417	6 min 5 sec	4 months ago
✓	ci-setting add test skip to second build	078034e	5 min 59 sec	4 months ago

# DevOps

Code Quality  
Test Coverage

The screenshot shows the SonarCloud interface for the project `org.egovframe.rte.root`. The main status is **Quality Gate Passed**. Key metrics include 1.8k Findings (down 76), 7.8% Coverage (unchanged), and 7.3% Duplications (up 0.1%). The dashboard also displays charts for Bugs (278, down 45), Code Smells (1.5k, down 31), Vulnerabilities (11, unchanged), and Security Hotspots (15, unchanged). A recent analysis from Nov 16, 2021, is shown with a **Passed** status and 0 Lines of Code.

Metric	Value	Change
Findings	1.8k	-76
Coverage	7.8%	=
Duplications	7.3%	+0.1%
Bugs	278	-45
Code Smells	1.5k	-31
Vulnerabilities	11	=
Security Hotspots	15	=



# Development

Fix issues  
Test Case

Filters  Labels 10 Milestones 0 [New pull request](#)

28 Open ✓ 30 Closed Author Label Projects Milestones Reviews Assignee Sort

- remove unnecessary Logger annotation**  
#61 opened on 29 Jul by davidyu62 1
- fix typo from opentime to closetime**  
#60 opened on 29 Jul by davidyu62
- [Test Case]fix indentation**  
#59 opened on 29 Jul by davidyu62
- [Test Case]Edit Test Case**  
#57 opened on 29 Jul by davidyu62
- add CamelCaseUtil.java test case**  
#56 opened on 29 Jul by Pinepond
- [Test Case] Add test case for CamelUtil**  
#55 opened on 29 Jul by davidyu62
- add necessary tags to package.html make formal html type**  
#54 opened on 29 Jul by Jadeu3 1
- Update README.md (English Version) / Add README.kr.md ( Korean Version )**  
#53 opened on 26 Jul by Pinepond
- add test for delimitedLineTokenizer**  
#52 opened on 22 Jul by Pinepond
- remove inner try clause and adjust code which closing PreparedStatement**  
#51 opened on 22 Jul by Jadeu3
- remove equals for comparing Object to null**  
#50 opened on 22 Jul by davidyu62

# Lesson & Learned

오픈소스 프로젝트에 대한 이해  
전자정부 표준프레임워크 기여



감사합니다