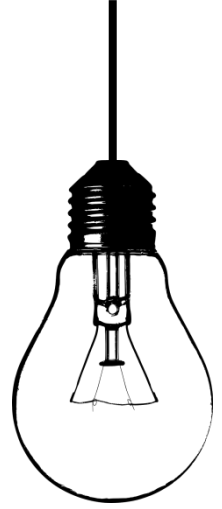




Git Watcher

전호현
이근하

유문상
최원대



Contents



1. 프로젝트 소개
2. Architecture
3. 개발 결과물
4. 기대효과
5. 시연 동영상

1. 프로젝트 소개



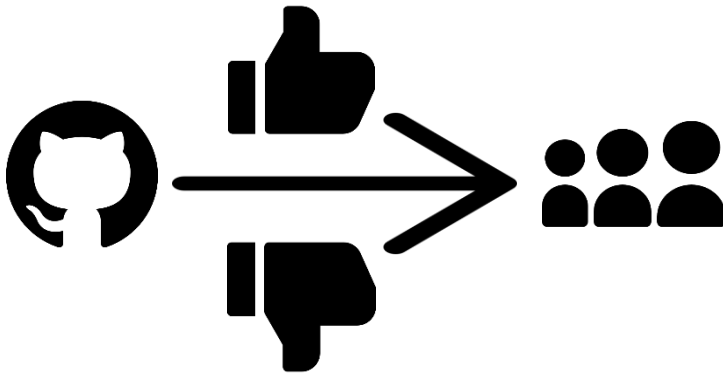


Git Watcher



- Github repository 분석.
- Github 사용 평가 서비스 제공.

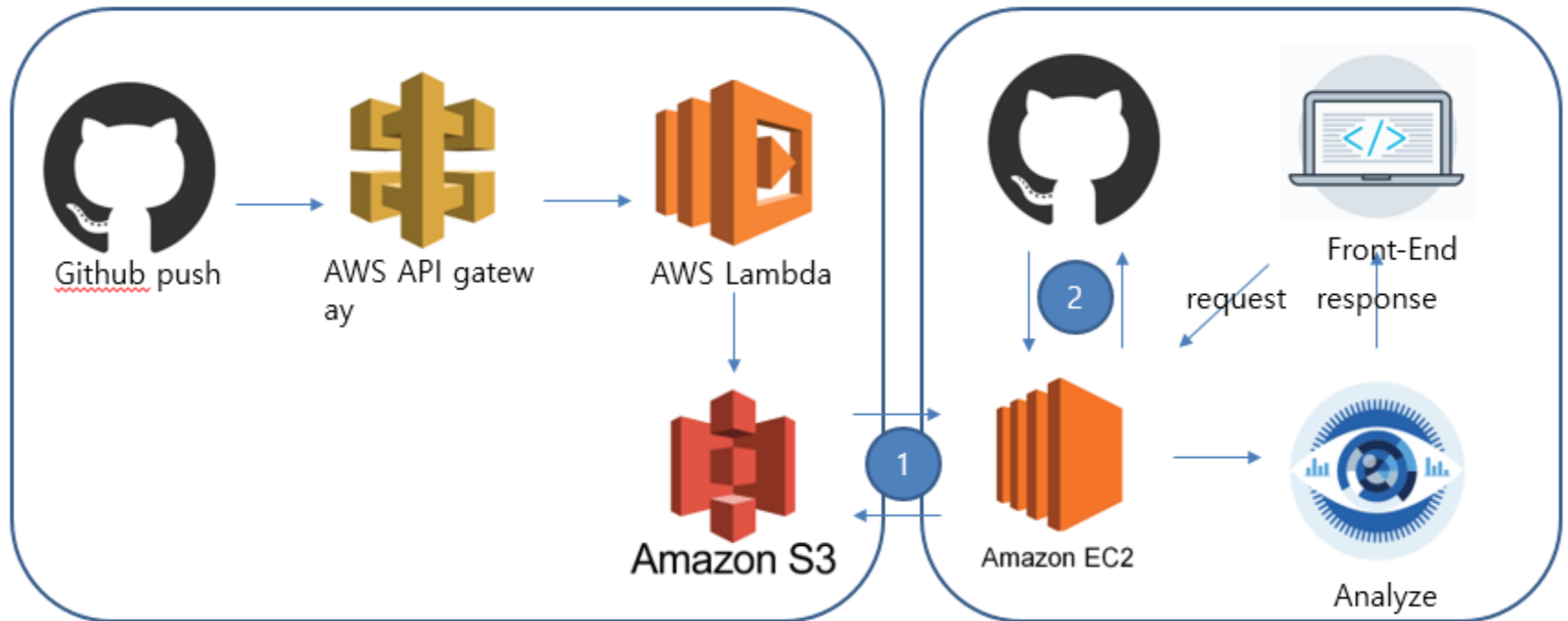
- 웹 서비스로 제공



2. Architecture



Architecture



항상 최신의 레포지토리 상태 유지

사용자 요청이 들어올 때 마다 분석

3. 개발 결과물



Webhook



Webhooks

Add webhook

Webhooks allow external services to be notified when certain events happen. When the specified events happen, we'll send a POST request to each of the URLs you provide. Learn more in our [Webhooks Guide](#).

We will also send events from this repository to your [organization webhooks](#).

✓ <https://jnqbzanhq.b.execute-api.us-east-2.amazonaws.com/Prod/gitpull> (push)

Edit

Delete

→ Repository에 Webhook 지정

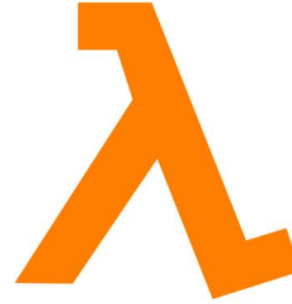
Back-end S3



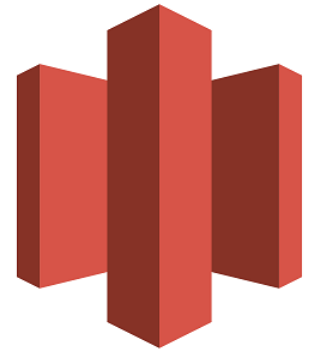
Github Push



AWS API Gateway



AWS Lambda



Amazon S3

→ Push가 발생하면 S3에 저장

Back-end S3



Upload

Create folder

More ▾

Versions

Hide

Show

<input type="checkbox"/>	Name ↑ ▾	Last modified ↑ ▾
<input type="checkbox"/>	2018-cap1-11	--
<input type="checkbox"/>	2018-cap1-12	--
<input type="checkbox"/>	2018-cap1-14	--
<input type="checkbox"/>	2018-cap1-16	--
<input type="checkbox"/>	2018-cap1-3	--
<input type="checkbox"/>	2018-cap1-4	--
<input type="checkbox"/>	2018-cap1-5	--
<input type="checkbox"/>	2018-cap1-6	--
<input type="checkbox"/>	2018-cap1-7	--
<input type="checkbox"/>	2018-cap1-8	--

☐ Name ↑ ▾ |

☐ kookmin-sw_2018-cap1-6_branch_master.zip

→ S3에 저장되어 있는 코드 파일

Back-end EC2



```
ec2-user ec2-user 186869 Apr 10 11:05 kookmin-sw_2018-cap1-12_branch_master.html
ec2-user ec2-user 186869 Apr 10 13:30 kookmin-sw_2018-cap1-14_branch_master.html
ec2-user ec2-user 192778 Apr 11 08:13 kookmin-sw_2018-cap1-16_branch_ann_by_static.html
ec2-user ec2-user 192469 Apr 11 02:01 kookmin-sw_2018-cap1-16_branch_db.html
ec2-user ec2-user 190623 Apr 11 10:29 kookmin-sw_2018-cap1-16_branch_dynamic_analysis.html
ec2-user ec2-user 192657 Apr 11 11:02 kookmin-sw_2018-cap1-16_branch_master.html
ec2-user ec2-user 194678 Apr 11 06:35 kookmin-sw_2018-cap1-16_branch_web.html
ec2-user ec2-user 194053 Apr 9 15:58 kookmin-sw_2018-cap1-4_branch_dPremodel.html
ec2-user ec2-user 195295 Apr 10 10:55 kookmin-sw_2018-cap1-4_branch_dPreturn.html
ec2-user ec2-user 195603 Apr 9 18:03 kookmin-sw_2018-cap1-4_branch_Function_receptionPage_patientInfo.html
ec2-user ec2-user 195945 Apr 10 09:19 kookmin-sw_2018-cap1-4_branch_generalSurvey.html
ec2-user ec2-user 195931 Apr 10 09:20 kookmin-sw_2018-cap1-4_branch_master.html
ec2-user ec2-user 195947 Apr 10 04:33 kookmin-sw_2018-cap1-4_branch_setting_drools.html
ec2-user ec2-user 194069 Apr 8 17:53 kookmin-sw_2018-cap1-4_branch_UI_hospitalSurvey.html
ec2-user ec2-user 194163 Apr 11 04:44 kookmin-sw_2018-cap1-6_branch_frontend2.html
ec2-user ec2-user 213100 Apr 9 06:31 kookmin-sw_2018-cap1-6_branch_gi_lambda.html
ec2-user ec2-user 214982 Apr 11 10:25 kookmin-sw_2018-cap1-6_branch_gitInspector_Server.html
ec2-user ec2-user 216212 Apr 11 06:47 kookmin-sw_2018-cap1-6_branch_master.html
ec2-user ec2-user 191534 Apr 10 07:42 kookmin-sw_2018-cap1-8_branch_master.html
```

→ EC2에 저장되어있는 git repository 분석 html 파일



Consult Your Repository With Us

Git Watcher 는 여러분의 레포지토리를 객관적으로 바라봐 줍니다.

1) 바로 분석하기

2) 2018 캡스톤 분석 정보 보기

→ Django와 Bootstrap을 이용한 웹 서버

→ 2가지 메뉴 제공

Front-end 1) 바로 분석하기



Consult Your Repository With Us

Git Watcher 는 여러분의 레포지토리를 객관적으로 바라봐 줍니다.

Click!

바로 분석하기

2018 캡스톤 분석 정보 보기

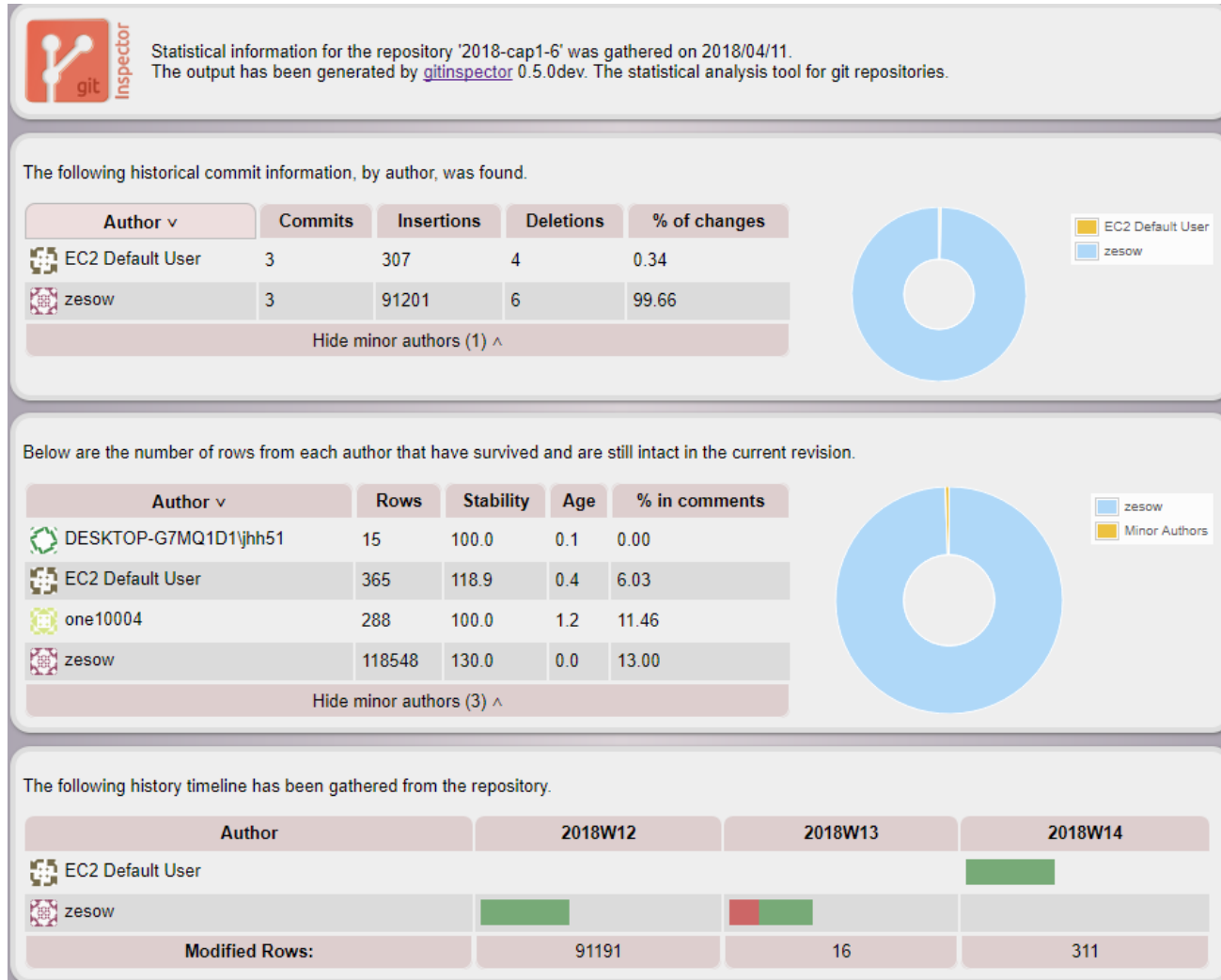
Front-end 1) 바로 분석하기



The screenshot shows a web form for entering a Git repository URL. At the top is the GitHub logo. Below it, the text 'Please type your Git repository URL' is displayed. A text input field contains the URL 'https://github.com/kookmin-sw/2018-cap1-6', which is highlighted with a red rectangular box. To the right of this box is the red text '1) 주소 입력'. Below the input field is a checkbox labeled 'Remember me'. To the left of the checkbox is the red text '2) Click!'. Below the checkbox is a blue 'submit' button, also highlighted with a red rectangular box. At the bottom of the form, the text '© Gitwatcher, 2018' is visible.

→ Github repository 주소 입력 후 submit

Front-end 1) 바로 분석하기



→ 분석 화면 제공

Front-end 2) 저장된 분석 결과



Consult Your Repository With Us

Git Watcher 는 여러분의 레포지토리를 객관적으로 바라봐 줍니다.

바로 분석하기

Click!

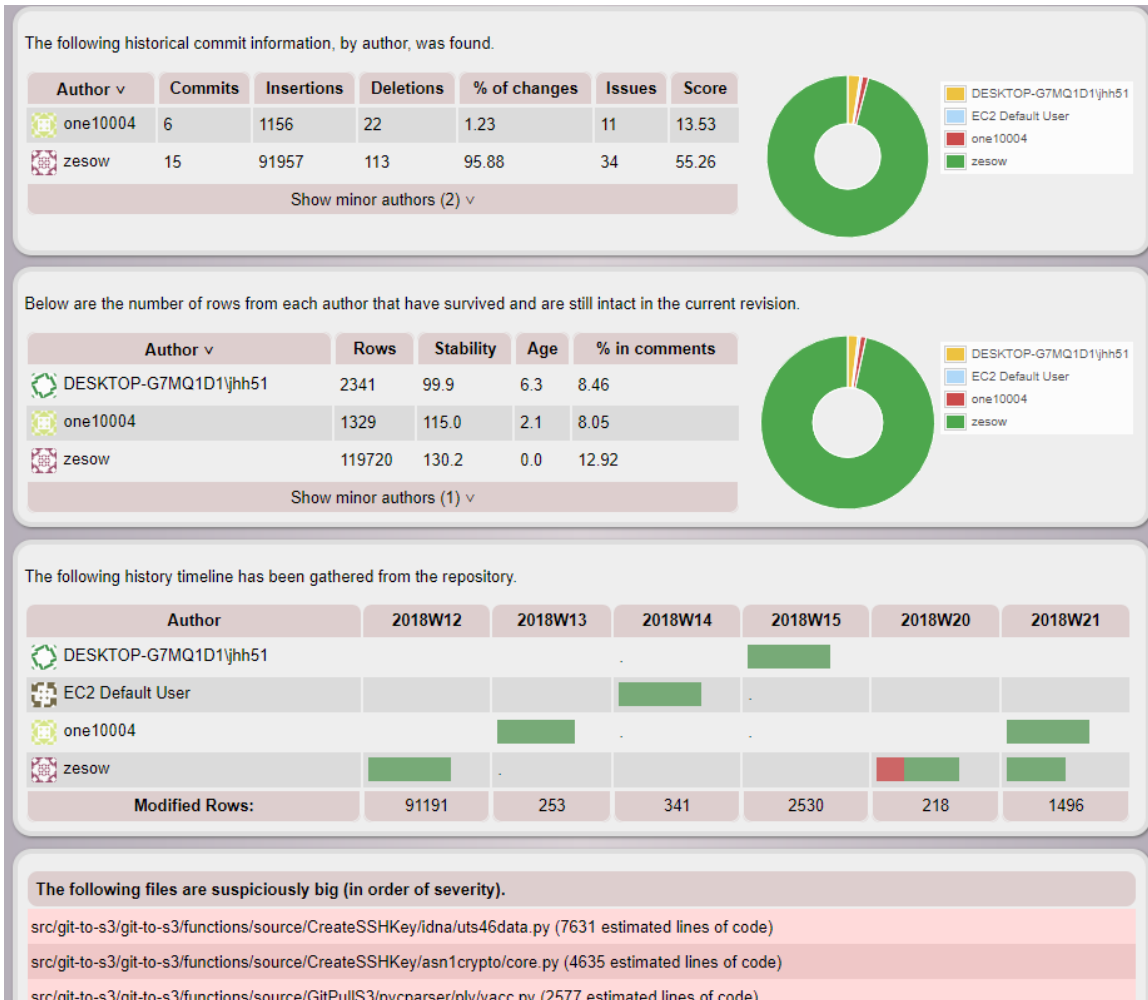
2018 캡스톤 분석 정보 보기

Front-end 2) 저장된 분석 결과

10	master	Click! 실행
11	Issue-display	실행
12	gitinspector_module	실행
13	commit	실행
14	logging	실행
2018-cap1-5		
#	branch	실행
0	master	실행
1	appBeta	실행

→ 각 repository의 저장되어 있는 분석 결과 html 파일들을 나타냄

Front-end 2) 저장된 분석 결과



→ 분석 화면 제공

4. 기대효과



기대효과



1. 자신의 github 사용 현황 파악

ex) 커밋 메시지 분석 , 분석 결과를 graph화 해서 제공

2. 한 눈에 해당 repository 분석 가능

5. 시연 동영상



감사합니다!

