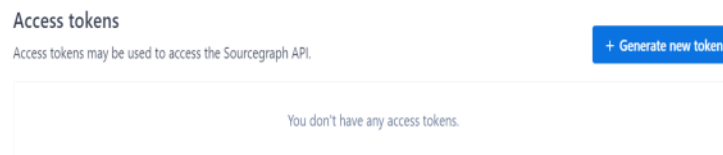


Source Graph overview

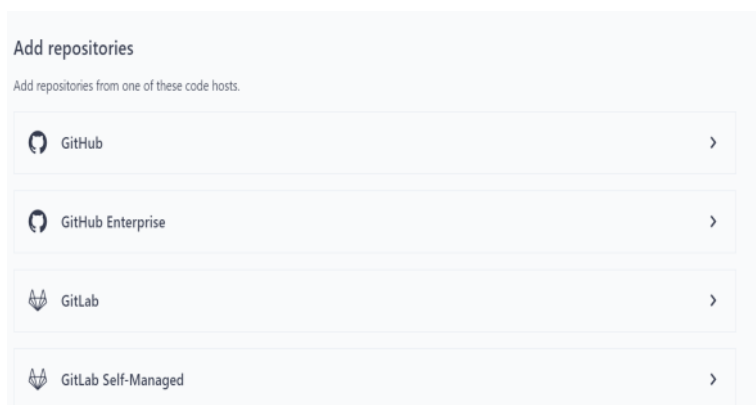
Monday, December 19, 2022 4:39 PM

Main Features:

- Code Search
- Notebooks
- Code Monitoring
- Batch changes
- Access Token can be created.



- Repositories can be connected to sourcegraph



- References
 - <https://docs.sourcegraph.com/>
 - <https://sourcegraph.com/>
- Difference btw github and sourcegraph

<https://storage.googleapis.com/sourcegraph-assets/docs/PDFs/Sourcegraph%20vs.%20GitHub%20code%20search%20chart.pdf>

Batch Changes

Tuesday, December 20, 2022 10:53 AM

1. Create a yaml file :

Here is an example batch spec that describes a batch change to add "Hello World" to all README.md files:

```
name: hello-world
description: Add Hello World to READMEs

# Find all repositories that contain a README.md file.
on:
  - repositoriesMatchingQuery: file:README.md

# In each repository, run this command. Each repository's resulting diff is captured.
steps:
  - run: IFS=$'\n'; echo Hello World | tee -a $(find -name README.md)
    container: alpine:3

# Describe the changeset (e.g., GitHub pull request) you want for each repository.
changesetTemplate:
  title: Hello World
  body: My first batch change!
  branch: hello-world # Push the commit to this branch.
  commit:
    message: Append Hello World to all README.md files
  published: false # Do not publish any changes to the code hosts yet
```

Uses:

1. Cleaning up common problems using linters.
2. Updating uses of deprecated library APIs.
3. Upgrading dependencies.
4. Patching critical security issues.
5. Standardizing build, configuration, and deployment files.

2. Upload and Run File:

1. Run the following command in your terminal:

```
src batch preview -f YOUR_BATCH_SPEC.batch.yaml
```

3. Wait for it to run and compute the changes for each repository (using the repositories and commands in the batch spec).

```
~/specs > src batch preview -f hello-world.batch.yaml
[✓] Parsing batch spec
[✓] Resolving namespace
[✓] Preparing container images
[✓] Resolved 4 repositories
[✓] Found 4 workspaces
[✓] Prepared workspaces
[.] Executing ... (1/4, 0 errored)
gitlab.sgdev.org/aharvey/reveal- 1 file changed + 7s
gitlab.sgdev.org/aharvey/sourceg... Initializing workspace 7s
gitlab.sgdev.org/aharvey/src-cli echo Hello World | tee -a $(find -n ... 7s
gitlab.sgdev.org/aharvey/batch-c... echo Hello World | tee -a $(find -n ... 7s
```

4. Open the preview URL that the command printed out.

```
~/specs > src batch preview -f hello-world.batch.yaml
✓ Parsing batch spec
✓ Resolving namespace
✓ Preparing container images
✓ Resolved 4 repositories
✓ Found 4 workspaces
✓ Prepared workspaces
✓ Executing... (4/4, 0 errored)
✓ Sending 4 changeset specs
✓ Creating batch spec on Sourcegraph

✓ To preview or apply the batch spec, go to:
https://sourcegraph.test:3443/users/LawnGnome/batch-changes/apply/QmF0Y2hTcGVjOiI1T1d1SjhpZlJ5QyI=

~/specs > 
```

5. Examine the preview. This is the result of executing the batch spec. Confirm that the changes are what you intended. If not, edit the batch spec and then rerun the command above.

The screenshot shows the Sourcegraph web interface for a batch change preview. The user is 'LawnGnome' and the batch change is titled 'hello-world'. The interface shows a 'PREVIEW' tab with a summary of changes: 4 added, 0 removed, 0 modified, 0 request, 0 close, 0 update, 0 undraft, 0 publish, and 0 import. A message indicates that the proposed changesets should be reviewed before clicking 'Apply spec' or running 'src batch apply' against the batch spec to create the batch change and perform the indicated action on each changeset. Below this, there is a 'Preview' section with a search bar and a table of changesets.

CURRENT STATE	ACTIONS	CHANGESET INFORMATION	COMMIT CHANGES	CHANGE STATE
Unpublished	No action	Hello World github:sgkev.org/laharvey/reveal-sketches	publish	+1 -0 [Progress Bar]
Unpublished	No action	Hello World github:sgkev.org/laharvey/batch-change-v0.0.1	publish	+1 -0 [Progress Bar]
Unpublished	No action	Hello World github:sgkev.org/laharvey/for-cd	publish	+1 -0 [Progress Bar]
Unpublished	No action	Hello World github:sgkev.org/laharvey/learn-graph	publish	+55 -0 [Progress Bar]

Code Search

Tuesday, December 20, 2022 11:30 AM

1. Repo based searches

context:global repo:sourcegraph/*

306 results in 0.07s

To search across your private repositories, try Sourcegraph Cloud.

sourcegraph/sourcegraph

Repository match

Code Intelligence Platform

sourcegraph/checkup

Repository match

Distributed, lock-free, self-hosted health checks and status pages

sourcegraph/home

Repository match

Automatically track which applications you use and for how long

2. Content search

context:global some exact error message

2 results in 5.00s

To search across your private repositories, try Sourcegraph Cloud.

sourcegraph/sourcegraph > client/web/src/search/home/useQueryExamples.tsx

184 queryExamples: {
185 { id: 'exact-matches', query: 'some exact error message', helperText: 'No quotes needed' },
186 { id: 'regex-pattern', query: '/regex.*pattern/' },
}

sourcegraph/sourcegraph > client/web/src/search/home/QueryExamplesHomepage.constants.ts

78 queryExamples: {
79 { id: 'exact-matches', query: 'some exact error message', helperText: 'No quotes needed' },
80 { id: 'regex-pattern', query: '/regex.*pattern/' },
}

3. File search

context:global file:README.md

500+ results in 0.77s

To search across your private repositories, try Sourcegraph Cloud.

javasham/coding-interview-university - README.md

Path match

getify/You Dont-Know-JS - README.md

Path match

jackfrued/Python-100-Days - README.md

Path match

TheAlgorithms/Python - README.md

Path match

4. Search in Commits

context:global type:commit some message

45 results in 15.01s

To search across your private repositories, try Sourcegraph Cloud.

lennorflow/fensflow > George Karpenkov [XLA] Introduce an API to provide negative fusion explanations

sha:1a2 11 months ago 168.0k

[XLA] Introduce an API to provide negative fusion explanations

when debugging fusions, it is almost always desirable to see what was NOT fused and why (in addition to what was in fact fused).

(currently, there is no way to do this apart from turning on all fusion logs (which requires finding all fusion passes, etc...) and reading through them (and reading through a multi-MB log output is highly non-trivial). Note that this method only works when logging shows explain all decisions, and when adding new ones it is easy to forget to add a logging statement.

This CL provides an API for every fusion pass (and every helper-function which decides whether to fuse producer into a consumer) to explain not only whether a fusion is possible or not possible, but also why is this the case.

Explanation provides a number of benefits:

- More readable than a returned bool, clear semantics from type.
- Enforces logging on all calls (as a part of this commit, some messages were added).
- Simpler to use logging: just turn it on in the main fusion pass. Also simplifies logging, since producer and consumer are logged automatically w/

5. Advanced Search

context:global repo:has:commit:after June 25 2017

500+ results in 1.00s

To search across your private repositories, try Sourcegraph Cloud.

freeCodeCamp/freeCodeCamp

Repository match

freeCodeCamp's open-source codebase and curriculum. Learn to code for free.

996icu/996.ICU

Repository match

Repo for counting stars and contributing. Press F to pay respect to glorious developers.

EbookFoundation/free-programming-books

Repository match

books: freely available programming books

Code Navigation

context:global repo:github.com:sourcegraph/idea

Code search basics

1 Find code across all your repos

2 Search & review commits

3 Refine queries by filtering

0 of 4 completed

File symbol

QueryBlobs.java

ApplicationDomainDeveloper.java

ApplicationEngine.java

EventSetDomainDeveloper.java

ToolProvider.java

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6. Logical Search

content:globalhel1lo world

500+ results in 0.14sTo search across your private repositories, try Sourcegraph Cloud.

leachimc/hello-world

9.0k

Repository match

Hello world in every computer language. Thanks to everyone who contributes to this, make sure to see contributing.md for contribution instructions!

mtivanev/hello-world.rs

2.7k

Repository match

Memory safe, blazing fast, configurable, minimal hello world written in rust in a few lines of code with few dependencies

hel1lo/hello-world


2.7k

Repository match

Tuesday, December 20, 2022 11:43 AM

Tuesday, December 20, 2022 11:43 AM

1. Code Monitoring is used to watch your code for changes and trigger actions to get notifications, send webhooks, and more.




Code monitoring

Watch your code for changes and trigger actions to get notifications, send webhooks, and more.

Code monitors **Getting started**

```
import ClassNames from 'classnames'
+ import AuthApi from 'CustomAuth'
```

 To: dev@acmecorp.co
Subject: deprecated method

Use of deprecated method
One new search result for your query.
[View code monitor results](#)

Proactively monitor changes to your codebase

With code monitoring, you can automatically track changes made across multiple code hosts and repositories.

Common use cases

- Identify when bad patterns are committed
- Identify use of deprecated libraries

Insights

Tuesday, December 20, 2022 12:13 PM

1. Insights can be created by selecting the module, and query.

Use Code Insights to...

[See more use cases](#)

Track migrations, adoption, and deprecations

Detect and track versions of languages or packages

Ensure removal of security vulnerabilities

Find vulnerable OpenSSL versions in the Python Ecosystem

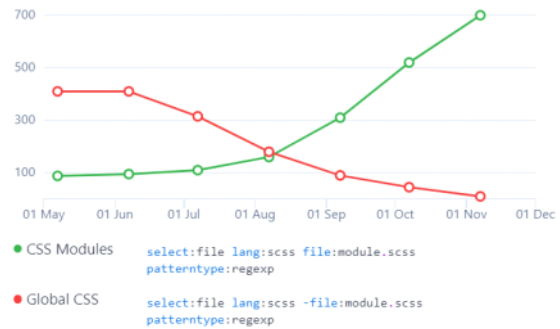
Understand code by team

Track code smells and health

Visualize configurations and services

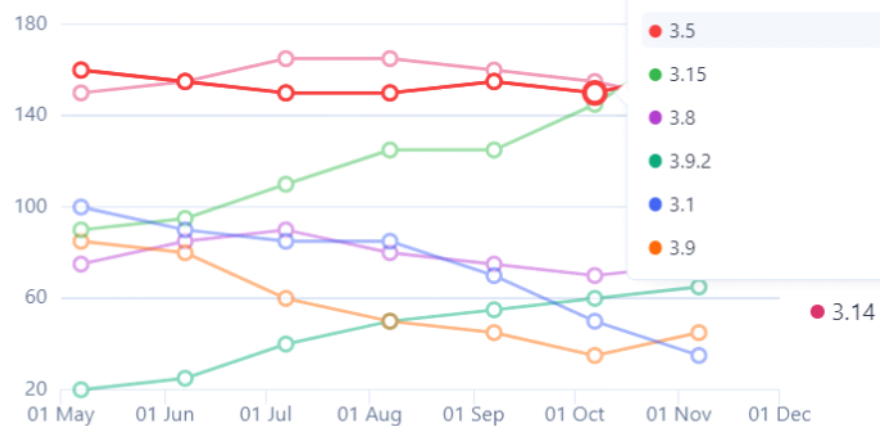
Migration to CSS modules

repo: github.com/wildcard-org/wc-repo



Alpine versions over all repos

All repositories



Thu Oct 07 2021

3.14	155
3.5	150
3.15	145
3.8	70
3.9.2	60
3.1	50
3.9	35

pattern: regexp FROM\s+alpine:([\d\.\.]+) file: Dockerfile