Sourcegraph

Go beyond search and transform your entire codebase into knowledge, actions, and insights

Sourcegraph's code intelligence platform helps your development teams quickly get unblocked, save time resolving issues, and gain insights to make better decisions.

Key ways Sourcegraph outperforms GitHub code search

Full view of the codebase

Search is exhaustive across all repositories and code hosts to provide a holistic view of sprawling code. The entire codebase is searchable, and results are not limited to code stored in a single code host.

What development teams need	Sourcegraph	GitHub code search
Complete and comprehensive view of code that resides inside and outside of GitHub	✓ Integrates with multiple code hosts and third-party code sources. The entire codebase is searchable.	− Only code within GitHub can be searched, and not all code is indexed.
Understand all code with comprehensive search results	✓ Code history, branches, and forks are searchable.	− Only the default branch is indexed for search. Code in forks is only searchable if the fork has more stars than the parent repository.
Customize search to fit specific use cases	✓ Use your preferred search method including regex search and structural search, or find references with precise code navigation.	● Lacks structural search. Precise navigation is only offered for Python, and it is not compiler accurate.

Accurate results

Search is reliable and trustworthy since all code is searchable — developers are not limited to your main branch. Your development team can quickly find answers on their own through robust search and living documentation that is always up-to-date.

What development teams need	Sourcegraph	GitHub code search
Exhaustive and relevant search results	✓ Multiple result types including repositories, files, diffs, and commits. Complete search results can be viewed in-app, exported via CSV, and accessed via streaming API. New commits are indexed incrementally for fast, up-to-date results.	● Large-scale repositories cannot be indexed and reindexing often takes several hours/days.
Up-to-date answers and institutional knowledge about the codebase	✓ Living documentation with Markdown and interactive code snippets.	● Outdated knowledge is stored within wikis.
Refine results through filters and custom scope	✓ Filter results by org, committer, timeframe, and more. Search a subset of repositories using regular expression within the selected repository.	● Filters are available but cover significantly less functionality. Code can be filtered by language, repository, path, and size of a file.

"Sourcegraph allows us to be more efficient with our time, whether it's code review, answering security-related questions from clients quite quickly, or searching for things in the code much more easily than we could through GitHub or grep."

Codecov -Jeff Holland, Security Engineer at Codecov

Rich code context

Powerful context about functions, variables, and cross-repository references help your team make the best decision while keeping them in their workflow.

What development teams need	Sourcegraph	GitHub code search
Code navigation across the entire codebase	✓ Compiler-accurate code navigation and metadata about functions, variables, and cross-references. Support 39 total languages and compiler-accurate navigation in 7 languages.	● Definitions and references are available for 10 languages.
Access to code context while staying in the developer workflow	✓ Extensions with GitHub, GitLab, and Bitbucket provide code navigation and keep users in their workflow. IDE extensions help to minimize context switching.	✓ Extensions enhance GitHub's code host capabilities.

Automate large-scale code changes

Empower your development team to make and track large-scale changes while staying within their workflow. Automate rote tasks like version upgrades, and allow your team to spend more time on high-value activities and innovation.

What development teams need	Sourcegraph	GitHub code search
Apply code updates across your codebase	✓ Large-scale code refactors to resolve vulnerabilities, keep code up-to-date, or pay down technical debt can be applied in a few steps with Batch Changes.	● Dependabot upgrades are possible, but there is no support for applying discretionary changes.
Manage large-scale code changes	✓ Track the status of bulk codebase changes through a visual dashboard and burndown charts.	– The manual tracking of codebase change at scale is typically done in spreadsheets.

Global view for leaders

Create customizable and real-time reports in sixty seconds. Leaders can keep a pulse on team progress by tracking the status of migrations and deprecations. Codebase monitoring helps to prevent future vulnerabilities by alerting the team when specific code is added.

What development teams need	Sourcegraph	GitHub code search
Make data-driven decisions with customizable analytics and visual dashboards from the codebase	✓ Turn the codebase into a database with real-time reports on the status of trends, usage, vulnerabilities, and more.	– Time-based charts are strictly project-based and for tracking tasks. Lacks insights from the codebase.
Keep codebase health high with the ability to track versions and the status of migration efforts	✓ Track everything in the codebase including migrations, adoption, deprecations, code smells, and more.	– Charts are simply used to help devs visualize activities and see metadata tasks over time.
Monitor the codebase for committed secrets, deprecated API usage, or new package adoption	✓ Monitor specific code changes and known vulnerabilities before they are merged across all branches and be alerted via Slack, webhook POST, or email.	✓ The scanning of repositories for known types of secrets is available for enterprise accounts with a premium license for advanced security.

Transform the way your development team works

Sourcegraph's code intelligence platform drives developer velocity through a comprehensive view of the codebase with rich code context. It meets users in their workflow with actionable next steps once search results are surfaced, and it helps global leaders track success.

Request a demo
about.sourcegraph.com/demo

"Sourcegraph is an ingrained part of my daily process at SoFi. With Sourcegraph, our engineers can understand all of the repercussions of committing a change to a service that is exposed to other services."

SoFi
-Ursula Robertson,
Engineering Manager, SoFi

"I gravitate towards Sourcegraph immediately because I know that it surpasses GitHub search in every way. We could search on GitHub, but that would offer us such poor results… [With Sourcegraph I have] full faith in the accuracy of the search results."

Codecov
-Mitchell Borrego,
Security Engineer at Codecov