

Sourcegraph vs GitHub Code Search

Category	Feature	Sourcegraph	GitHub code search
Search Search code across all your repositories and code hosts	Search across multiple code hosts	✓	✗
	Comprehensive search across all repositories, branches, forks, and archived repositories	✓	Repositories and forks can be searched, but only the default branch can be searched
	Structural search	✓	✗
	Literal search	✓	✓
	Regular expression search	✓	✓
	Commit diff search and commit message search	✓	Commit search only
	Search across issues, pull requests, and discussions	✗	✓
	Multi-line search support	✓	Explicitly line-oriented
	Symbol searching	75+ languages supported	C#, Python, Go, Java, JavaScript, TypeScript, PHP, Protocol Buffers, Ruby, and Rust
	Case-sensitive search	✓	✗
	Advanced diff search that allows devs to restrict query results to additions or removals	✓	✗
	Comprehensive search results in which all matches are returned	500 results are returned by default and more results can be added via the 'count' filter	Limit 10 pages of results
	Refine and narrow down search query with filters	Filters, auto-completions, and suggestions	Filters, auto-completions, and suggestions
	Date and time filtering on commits	✓	✗
	Scope search to repository groups with search contexts	✓	✓
	Understand usage and code structure with visual search aggregation charts embedded in the search results page	✓	✗

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Code navigation Advanced code navigation helps devs understand code and its dependencies. Uncover rich metadata about functions, variables, and cross-references in the code	Search-based code navigation	✓ 40 languages	✓ 11 languages + more languages are supported in the latest beta preview
	Precise code navigation: language support	✓ 11 languages: Go, TypeScript, JavaScript, C, C++, Java, Scala, Kotlin, Rust, Python, Ruby	● 1 language: Python
	Precise code navigation: technical details	✓ SCIP-based (compiler-accurate) 100% accuracy	● Heuristics-based. High accuracy, some false positives
	Precise code navigation: setup	● Opt-in (Must set up LSIF/SCIP indexing. <u>Auto-indexing</u> available.)	✓ No setup required
	Precise code navigation: cross-repository	✓	✓
Large-scale changes	Make large-scale code changes across many repositories and code hosts, and track the status of bulk codebase changes through visual dashboards and burndown charts	✓ Batch Changes	✗ Automatic Dependabot updates are possible, but there is no support for applying arbitrary large-scale changes
Insights	Codebase insights: Transform code into a queryable database to create custom, visual dashboards to track migrations, vulnerabilities, versions, code health, adoption, ownership, and other metrics	✓ Code Insights	✗
	App activity and project activity insights	✓ In-product analytics	✓
Alerting	Proactively monitor changes to your codebase	✓ Code monitors	✓ Code scanning for security alerts is available with an additional license through GitHub Advanced Security
API	Stream API	✓	✗
	GraphQL API	✓	✗
Integrations Integrate with multiple code hosts to search all of your code	GitHub	✓	✓
	GiLab	✓	✗
	Bitbucket Cloud	✓	✗
	Bitbucket Server / Bitbucket Data Center	✓	✗
	Perforce	✓	✗
	Other Git-based code hosts	✓	✗

Note: The information above was sourced from [Sourcegraph docs](#) and GitHub Code Search's [FAQs](#), [webpage](#), and [blog](#).



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Extensions	IDE extensions, including Visual Studio Code, JetBrains IDEs, Sublime Text, Atom, and Gitpod	✓	⊘
	Browser (Chrome, Firefox, Safari) extensions for code navigation in your code host	✓	●
Embedded code search and documentation	Integrate code search with documentation for knowledge sharing	✓ Notebooks	⊘
Availability	Generally available	✓	● (Beta preview)

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