


## Sourcegraph vs Bitbucket Server code search

Category	Feature	Sourcegraph	Bitbucket Server code search
<b>Search</b> Search code across all your repositories and code hosts	Search across multiple code hosts	✓	✗
	Comprehensive search across all repositories including archived repositories	✓ Sourcegraph allows you to search indexed and <u>unindexed</u> code across all repositories including archived repositories. See indexing <u>limitations</u> .	✗ Search is only across all projects or selectively search repositories in a single project. You can't search across all repositories. See <u>limitations</u> .
	Search across all branches/tags	✓	✗ Only the default branch can be searched
	Literal searching	✓	✓ The <u>search syntax</u> doesn't support wildcards
	Case-sensitive search	✓	✗
	Regular expression (regex) searching	✓	✗ The <u>search syntax</u> doesn't support regular expression.
	Symbol searching	✓	✗
	Multi-line search support	✓	✗ Explicitly line-oriented
	Multiple result types, including repositories, files, diffs and commits	✓	✗
	Scope search to repository groups with search contexts	✓	✓ Bitbucket uses <u>modifiers</u>
	Comprehensive search results in with all matches are returned	● 500 results are returned by default but this number can be increased by increasing the 'count' value. A maximum of 1500 matches can be displayed and more matches can be fetched using the src CLI, the Stream API, or GraphQL API	✓ Infinite number of search results are displayed
	Date and time filtering on commits	✓	✗
	Understand usage and code structure with visual search aggregation charts embedded in the search results page	✓	✗
<b>Code navigation</b> Advanced code navigation helps devs understand code and its dependencies. Uncover rich metadata about functions, variables, and cross-references in the code	Truly precise code navigation via LSIF and SCIP (see code navigation section for details)	✓	✗
	Jump to definition	✓	● Available through a third party <u>app</u> on the Atlassian marketplace, but it's not supported directly by Atlassian
	Find references	✓	● Available through a third party <u>app</u> on the Atlassian marketplace, but it's not supported directly by Atlassian
	Find implementations	✓ Support for Go (more to come)	✗

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<b>Code navigation</b> (cont)	Precise code navigation: LSIF and SCIP support	✔ Support for Ruby, Rust, Go, Java, Scala, Kotlin, Python, TypeScript, JavaScript, C/C++ (partial support)	⊘
	Search-based code navigation	✔ 40 languages	● 4 languages: Java, Python, C++, Javascript. Available through a <a href="#">app</a> on the Atlassian marketplace
	Cross-repository and cross-dependency navigation	✔ Cross-repository is publicly available and cross-dependency is experimental. Support for Go, Java, Scala, Kotlin, TypeScript/JavaScript, Python (more to come)	⊘
<b>Large-scale code changes</b>	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	⊘
<b>Insights</b>	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	✔ Code Insights provides reports, annotations, and metrics to help you and your team improve code quality in pull requests throughout the code review process
<b>Alerting</b>	Proactively monitor changes to your codebase	✔ Code monitors continuously monitor the results of a specific search query and generate alerts when new results are returned	● <a href="#">Notifications</a> are based on changes to the status of PRs and commits
<b>API</b>	REST API	✔	● Not <a href="#">available</a> for code search
	GraphQL API	✔	● Not <a href="#">available</a> for code search, and the <a href="#">search API</a> is only available on cloud
	Command line interface (CLI)	✔	● Not <a href="#">available</a> for code search
<b>Integrations</b> Integrate with multiple code hosts to search all of your code	GitHub	✔	⊘
	GitLab	✔	⊘
	Bitbucket Cloud	✔	✔

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<b>Integrations</b> (cont)	Bitbucket Server / Bitbucket Data Center	✓	✓
	Perforce	✓	✗
	Other Git-based code hosts	✓	✗
<b>Extensions</b> Integrate with multiple code hosts to search all of your code	IDE extensions, including Visual Studio Code, JetBrains IDEs, Sublime Text, Atom, and Gitpod	✓	 A few IDE extensions are available the marketplace, but these are not specific to code search
	Browser (Chrome, Firefox, Safari) extensions for code navigation in your code host	✓	✗
<b>Availability</b>	Generally available	✓	✓

Note: The information above was sourced from [Sourcegraph docs](#) and various Bitbucket docs including the [search syntax](#), [website](#), and [community](#).

