

# Source Code Hosting

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## 1 Introduction

Source code hosting is a fundamental service that organizations and projects must consider for effective management. While some newer Version Control Systems (VCS), such as Git, incorporate built-in hosting features, scaling access management often requires source code servers. These servers act as intermediaries between developers and repositories. For VCS like SVN or CVS, centralized source code management was the sole option. However, Git and similar systems are decentralized. Manual management of these distributed repositories becomes overly complex as an organization or project expands. Despite Git's decentralized nature, most organizations and projects opt for a centralized server infrastructure. The choice between onsite hosting or third-party hosting depends

on the organization's IT infrastructure and the confidentiality of the source code. Third-party hosting often involves platforms like <https://github.com>, though numerous solutions exist for both third-party and self-hosting as Free Open Source Software (FOSS). This document compiles Free Open Source Software options for hosting source code projects.

\***VCS**: Version Control Systems

\***SVN**: Subversion

\***CVS**: Concurrent Version System

\***FOSS**: Free Open Source Software

## 2 Overview

### FOSS VCS

- Git
- Subversion (SVN)
- Mercurial
- Concurrent Version System (CVS)

### FOSS Hosting Software

- GNU Savannah
- GitBucket
- Gitlab
- Gogs
- Gitea
- GitPrep (Github clone)
- Kallithea [Git, Mercurial] (GPLv3)
- TuleapL
- Phabricator [Mercurial]
- PROPRIETARY + Community edition: RhodeCode [SVN, Git, Mercurial]
- Gitolite
- Gerrit

	Gitlab	Gogs	Gitea	Gitolite
Fork of			Gogs	
Written in		Go	Go	
Web interface	yes		yes	no

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	Gitlab	Gogs	Gitea	Gitolite
Database		yes	yes	

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### 3 Gitlab

- Home: <https://about.gitlab.com/>
- Source: <https://gitlab.com/gitlab-org/gitlab>
- Documentation: <https://about.gitlab.com/>
- Guide: <https://about.gitlab.com/get-started/>

### 4 Gogs

- Home: <https://gogs.io/>
- Source: <https://github.com/gogs/gogs>
- Documentation: <https://gogs.io/docs>

#### 4.1 Databases

- mysql
- pq
- sqlite3
- mssqldb

### 5 Gitea

- Home: <https://gitea.io/en-us/>
- Source: <https://code.gitea.io/gitea/>
- Documentation: <https://docs.gitea.io/en-us/>

#### 5.1 Databases

- MySQL (>=5.7)
- PostgreSQL (>=10)
- SQLite3
- MSSQL (>=2008R2 SP3)
- TiDB (MySQL protocol)

## 6 History

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Version	Date	Notes
0.1.2	2024-02-12	Fix acronym definition (not supported by pandoc)
0.1.1	2024-02-04	Add project chapters
0.1.0	2022-06-21	Initial release

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