

4. Repo Hosting Services

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Choosing a repository tool

There are a variety of modern software repository hosting tools available to choose from. Each code repository system has its own strength and weaknesses. Additionally, each repository hosting tool has various support for underlying version control systems. This guide is intended to walk you through the requirements that may impact which code repository management tool is best suited for your team's needs.

The difference between a repository hosting services and a version control system

It is important to acknowledge that repository hosting services and version control systems are two separate entities. Version control systems are the low level command line utilities that are used to manage the software development life cycle changes to a collection of source code files.

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Which source code repository should I choose?

A repository hosting service is an organizational management tool which offers a transparent view into the traditionally opaque workflow process of software development. A good repository hosting service will provide tools for measuring, monitoring, discussing and managing software development efficiency and correctness. A repository hosting service should integrate with other management tools such as Task management, Customer relationship management, and support ticket management tools to provide a connected organizational communication network. Whether your business treats software development as an asset or liability it is important to have insight into that risk source.

Elements for consideration when selecting a repository

- Supported version control systems.
- Team size and access control.
- Release schedule.

- Project size and data storage.
- External tools and 3rd party integrations.