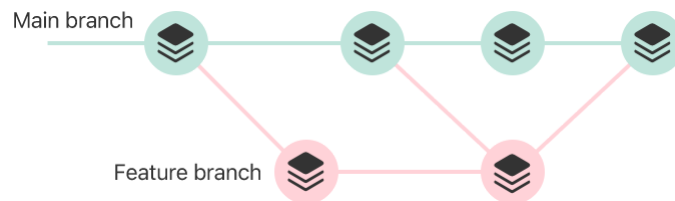# Source control management

Back up your files, collaborate with others, and tag your releases with Git source control support in Xcode.

Overview

Source control is the practice of tracking and managing changes to your code. Manage your Xcode project with source control to keep a rich history of the changes you make, and collaborate on code faster and more effectively.

Xcode simplifies source control management with its built-in support for Git. You create a Git *source control repository* that stores your project files and a history of your changes through *commits*. When a set of changes are ready, your reviewers verify them, make suggestions, and approve them. Then you can merge your changes into the repository.

For example, you create a branch for feature work, and after it's approved, merge those changes into the main branch.

Topics

Essentials

📄 Configuring your Xcode project to use source control

Sync code changes between team members and development computers by setting up your Xcode project to use Git source control.

📄 Tracking code changes in a source control repository

Create a history of incremental changes to your project using commits and pushing to remote repositories.

Git

📄 Organizing your code changes with source control

Use Git branches and tags to streamline your collaboration and manage features and releases.

📄 Combining code changes in a source control repository

Integrate code changes from multiple sources and resolve conflicts between different versions of code using source control tools in Xcode.

📄 Configuring source control in Xcode

Customize the default Xcode Settings for connecting to Git repositories, applying code changes, and more options for configuring source control.

See Also

Xcode IDE

≔ Projects and workspaces

Manage the code and resources you use to build apps, libraries, and other software for Apple platforms.

≔ Capabilities

Enable services that Apple provides, such as In-App Purchase, Push Notifications, Apple Pay, iCloud, and many others.

≔ Build system

Compile your code into a binary format, and customize your project settings to build your code.

≔ Command-line tools

Develop and customize your projects in Terminal.