

Tooling Guides

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Version Control Guides

Git Client Guide

[git-scm.com documentation git/git](https://git-scm.com/documentation/git/git)

Installation

```
sudo apt install git git-lfs
```

Initial Client Setup

[documentation](#)

```
git config --global user.name "[NAME]"
git config --global user.email "[EMAIL]"
git config --global init.defaultBranch "main"
git config --global core.excludesFile "~/.gitignore"
```

```
git lfs install
```

```
tee "$HOME/.gitignore" >/dev/null <<'EOF'
.idea
.vscode
EOF
```

Git Repository Guide

[git-scm.com documentation](#)

Exclude Files from Version Tracking

[documentation](#)

```
# SPDX-License-Identifier: 0BSD
# SPDX-FileCopyrightText: none

*.backup
*.bak
*.key
*.local
*.log
*.pem
*.sqlite*
*.swp
*.tmp
*~
```

Keep Git Hooks in Project

[documentation](#)

Git Hooks Initialization Recipe

Just

```
# SPDX-License-Identifier: 0BSD
# SPDX-FileCopyrightText: none
#
# Manage the Git hooks living in this repository.
```

```
# Run the recipes at the project root, not at the `.just` directory.
set working-directory := '..'

GITHOOKS := ".githubhooks"

# Configure Git to use the local `.githubhooks` directory.
init:
    git config --local core.hooksPath "{{ GITHOOKS }}"
```

```
# Manage the Git hooks living in this repository.
[group('githubhooks')]
mod githubhooks '.just/githubhooks.just'
```

Make

```
# SPDX-License-Identifier: 0BSD
# SPDX-FileCopyrightText: none
#
# Manage the Git hooks living in this repository.

GITHOOKS := .githubhooks

.PHONY: githubhooks
githubhooks:
    git config --local core.hooksPath "${GITHOOKS}"
```

```
include .githubhooks/githubhooks.mk
```

Commitizen Guide

[commitizen-tools.github.io documentation](https://commitizen-tools.github.io/documentation) commitizen-tools/commitizen

Installation

```
pipx install commitizen
```

Auto-Check Commits via Git Hooks

[documentation](#)

```
#!/usr/bin/env bash
# SPDX-License-Identifier: Apache-2.0
# SPDX-FileCopyrightText: 2026 Tomáš Havlas <tomas@havlas.me>
#
# Enforce the Conventional Commits format with Commitizen.

set -euo pipefail

if ! command -v cz >/dev/null 2>&1; then
    echo "no cz, try running 'pipx install commitizen'"
    exit 127
fi

git cz check --allow-abort --commit-msg-file "$1"
```

EditorConfig Guide

editorconfig.org [editorconfig/editorconfig](https://editorconfig.org/editorconfig)

General Code Style

```
# SPDX-License-Identifier: 0BSD
# SPDX-FileCopyrightText: none

root = true

[*]
charset = utf-8
end_of_line = lf
indent_size = 4
indent_style = space
insert_final_newline = true
tab_width = 4
trim_trailing_whitespace = true

[*.md]
# Trailing whitespace is significant in Markdown.
trim_trailing_whitespace = false

[*.toml,*.ini]
indent_size = 4
indent_style = space

[*.yaml,*.yml,*.json]
indent_size = 2
indent_style = space

[Makefile,*.mk]
# Make requires tabs to indent recipes.
indent_size = 4
indent_style = tab
```

Justfile Guide

[just.systems documentation casey/just](https://just.systems/documentation/casey/just)

Installation

```
curl --proto '=https' --tlsv1.2 -sSf "https://just.systems/install.sh" | sudo
bash -s -- --to "/usr/local/bin"
```

Usage

Show Help Recipe

```
# SPDX-License-Identifier: 0BSD
# SPDX-FileCopyrightText: none
#
# Default the `just` invocation to an overview of the available recipes.

# Show this help message.
[default]
help:
    @just --unsorted --list --list-submodules
```

```
import '.just/help.just'
```