

# Signing commits

You can sign commits locally using GPG, SSH, or S/MIME.

**Note:** [GitHub Desktop](#) only supports commit signing if your Git client is configured to sign commits by default.

## Tips:

To configure your Git client to sign commits by default for a local repository, in Git versions 2.0.0 and above, run `git config commit.gpgsign true`. To sign all commits by default in any local repository on your computer, run `git config --global commit.gpgsign true`.

To store your GPG key passphrase so you don't have to enter it every time you sign a commit, we recommend using the following tools:

- For Mac users, the [GPG Suite](#) allows you to store your GPG key passphrase in the Mac OS Keychain.
- For Windows users, the [Gpg4win](#) integrates with other Windows tools.

You can also manually configure [gpg-agent](#) to save your GPG key passphrase, but this doesn't integrate with Mac OS Keychain like ssh-agent and requires more setup.


If you have multiple keys or are attempting to sign commits or tags with a key that doesn't match your committer identity, you should [tell Git about your signing key](#).

- 1 When committing changes in your local branch, add the `-S` flag to the git commit command:

```
$ git commit -S -m "YOUR_COMMIT_MESSAGE"
# Creates a signed commit
```

- 2 If you're using GPG, after you create your commit, provide the passphrase you set up when you [generated your GPG key](#).
- 3 When you've finished creating commits locally, push them to your remote repository on GitHub Enterprise Server:

```
$ git push
# Pushes your local commits to the remote repository
```

- 4 On GitHub Enterprise Server, navigate to your pull request.
- 5 On the pull request, click  **Commits**.

# Fix broken links #35787



octocat wants to merge 2 commits into `main` from `octocat-branch`



Conversation 7



Commits 2



Checks 34



Files changed 3

6 To view more detailed information about the verified signature, click **Verified**.

Update README.md



octocat committed on Sep 2, 2022 ✓

Verified



2f410e1



## Further reading

- ["Telling Git about your signing key"](#)
- ["Signing tags"](#)

### Legal

© 2023 GitHub, Inc. [Terms](#) [Privacy](#) [Status](#) [Pricing](#) [Expert services](#) [Blog](#)