

Associating an email with your GPG key

Your GPG key must be associated with a GitHub verified email that matches your committer identity.

Mac Windows Linux

If you're using a GPG key that matches your committer identity and your verified email address associated with your account on GitHub.com, then you can begin signing commits and signing tags.

- 1 Open TerminalTerminalGit Bash.
- 2 Use the `gpg --list-secret-keys --keyid-format=long` command to list the long form of the GPG keys for which you have both a public and private key. A private key is required for signing commits or tags.

Shell



```
gpg --list-secret-keys --keyid-format=long
```

Note: Some GPG installations on Linux may require you to use `gpg2 --list-keys --keyid-format LONG` to view a list of your existing keys instead. In this case you will also need to configure Git to use `gpg2` by running `git config --global gpg.program gpg2`.

- 3 From the list of GPG keys, copy the long form of the GPG key ID you'd like to use. In this example, the GPG key ID is `3AA5C34371567BD2` :

Shell



```
$ gpg --list-secret-keys --keyid-format=long
/Users/hubot/.gnupg/secring.gpg
-----
sec  4096R/3AA5C34371567BD2 2016-03-10 [expires: 2017-03-10]
uid                          Hubot <hubot@example.com>
ssb  4096R/4BB6D45482678BE3 2016-03-10
```

- 4 Enter `gpg --edit-key GPG key ID`, substituting in the GPG key ID you'd like to use. In the following example, the GPG key ID is `3AA5C34371567BD2` :

```
gpg --edit-key 3AA5C34371567BD2
```

- 5 Enter `gpg> adduid` to add the user ID details.

```
gpg> adduid
```

- 6 Follow the prompts to supply your real name, email address, and any comments. You can modify your entries by choosing `N`, `C`, or `E`. To keep your email address private, use your GitHub-provided `no-reply` email address. For more information, see "[Setting your commit email address](#)."

```
Real Name: OCTOCAT
Email address: "octocat@github.com"
Comment: GITHUB-KEY
Change (N)ame, (C)omment, (E)mail or (O)kay/(Q)uit?
```

- 7 Enter `0` to confirm your selections.
- 8 Enter your key's passphrase.
- 9 Enter `gpg> save` to save the changes

```
gpg> save
```

- 10 Enter `gpg --armor --export GPG key ID`, substituting in the GPG key ID you'd like to use. In the following example, the GPG key ID is `3AA5C34371567BD2`:

```
$ gpg --armor --export 3AA5C34371567BD2
# Prints the GPG key, in ASCII armor format
```

- 11 Upload the GPG key by [adding it to your GitHub account](#).

Further reading

- "[Checking for existing GPG keys](#)"
- "[Generating a new GPG key](#)"
- "[Using a verified email address in your GPG key](#)"
- "[Adding a GPG key to your GitHub account](#)"
- "[Signing commits](#)"
- "[Signing tags](#)"

Legal