

Adding a GPG key to your GitHub account

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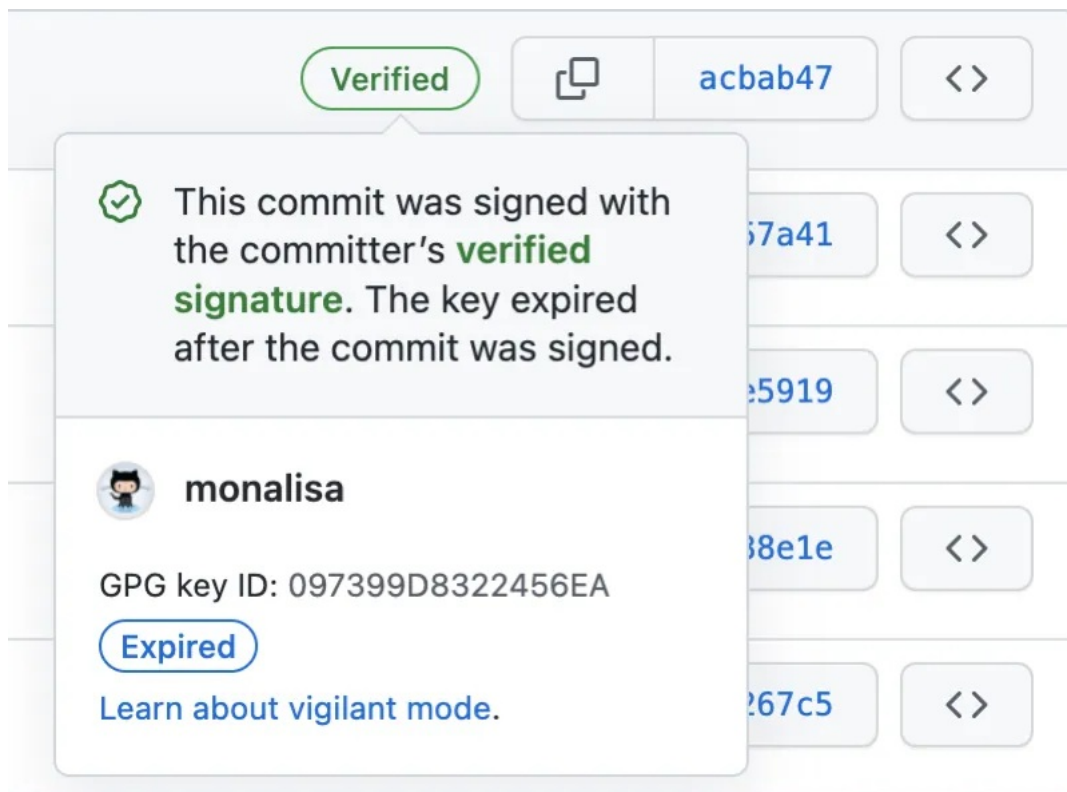
To configure your account on GitHub.com to use your new (or existing) GPG key, you'll also need to add the key to your account.

About addition of GPG keys to your account

To sign commits associated with your account on GitHub, you can add a public GPG key to your personal account. Before you add a key, you should check for existing keys. If you don't find any existing keys, you can generate and copy a new key. For more information, see "[Checking for existing GPG keys](#)" and "[Generating a new GPG key](#)."

You can add multiple public keys to your account on GitHub. Commits signed by any of the corresponding private keys will show as verified. If you remove a public key, any commits signed by the corresponding private key will no longer show as verified.

To verify as many of your commits as possible, you can add expired and revoked keys. If the key meets all other verification requirements, commits that were previously signed by any of the corresponding private keys will show as verified and indicate that their signing key is expired or revoked.



Supported GPG key algorithms [↗](#)

GitHub supports several GPG key algorithms. If you try to add a key generated with an unsupported algorithm, you may encounter an error.

- RSA
- ElGamal
- DSA
- ECDH
- ECDSA
- EdDSA

When verifying a signature, GitHub extracts the signature and attempts to parse its key ID. The key ID is then matched with keys added to GitHub. Until a matching GPG key is added to GitHub, it cannot verify your signatures.

Adding a GPG key [↗](#)

- 1 In the upper-right corner of any page, click your profile photo, then click **Settings**.



- 2 In the "Access" section of the sidebar, click [SSH and GPG keys](#).
- 3 Next to the "GPG keys" header, click **New GPG key**.
- 4 In the "Title" field, type a name for your GPG key.
- 5 In the "Key" field, paste the GPG key you copied when you [generated your GPG key](#).
- 6 Click **Add GPG key**.
- 7 To confirm the action, authenticate to your GitHub account.

Further reading [↗](#)

- ["Checking for existing GPG keys"](#)
- ["Generating a new GPG key"](#)
- ["Telling Git about your signing key"](#)
- ["Associating an email with your GPG key"](#)
- ["Signing commits"](#)
- ["About commit signature verification"](#)

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