

Changing the remote repository URL in GitHub is a common task, especially when migrating to a new repository or changing the URL structure (e.g., switching from HTTPS to SSH or vice versa). Below are the steps to update the remote URL for a Git repository.

Steps to Change the GitHub Remote URL

1. ****Check the current remotes:****

- Open your terminal and navigate to your Git repository.
- Run the following command to list the current remotes:

```
```sh
git remote -v
```
```

This will show the current remote URLs for `origin` (and possibly other remotes).

2. ****Update the remote URL:****

- Use the `git remote set-url` command to change the URL of the remote repository.

For example, to change the remote URL for `origin`:

```
```sh
git remote set-url origin NEW_URL
```
```

Replace `NEW_URL` with the new URL of your GitHub repository.

3. ****Verify the change:****

- Run the following command again to verify that the remote URL has been updated:

```
```sh
git remote -v
```
```

The output should reflect the new URL.

Example

Changing from HTTPS to SSH:

Suppose your current remote URL is `https://github.com/username/repo.git`, and you want to change it to use SSH, which is `git@github.com:username/repo.git`.

1. ****Check the current remotes:****

```
```sh
git remote -v
```
```

Output:

```
```sh
origin https://github.com/username/repo.git (fetch)
origin https://github.com/username/repo.git (push)
```
```

2. ****Set the new remote URL:****

```
```sh
git remote set-url origin git@github.com:username/repo.git
```
```

...

3. ****Verify the change:****

```
```sh
git remote -v
```
```

Output:

```
```sh
origin git@github.com:username/repo.git (fetch)
origin git@github.com:username/repo.git (push)
```
```

Additional Commands

- ****Adding a new remote:****

```
```sh
git remote add new-remote-name NEW_URL
```
```

- ****Removing a remote:****

```
```sh
git remote remove remote-name
```
```

- ****Renaming a remote:****

```
```sh
git remote rename old-remote-name new-remote-name
```
```

By following these steps, you can change the remote URL for your GitHub repository quickly and easily. This is useful for various scenarios such as moving repositories, switching protocols, or changing the remote repository structure.