How to Use Two GitHub Accounts on One Laptop

Using two GitHub accounts on the same laptop is straightforward. You can achieve this by managing your SSH keys and configuring Git for each account. Follow these steps:

Step 1: Generate SSH Keys

1. Open your terminal.

2. Generate an SSH key for your first account (if you haven't already):

   ssh-keygen -t ed25519 -C "your-email@example.com"

   Save it as the default, e.g., ~/.ssh/id_ed25519.

3. Generate an SSH key for your second account:

   ssh-keygen -t ed25519 -C "your-second-email@example.com"

   Save it as a custom name, e.g., ~/.ssh/id_ed25519_second.

Step 2: Add SSH Keys to the SSH Agent

1. Start the SSH agent:

   eval "$(ssh-agent -s)"

2. Add your first key:

   ssh-add ~/.ssh/id_ed25519

3. Add your second key:

   ssh-add ~/.ssh/id_ed25519_second

Step 3: Add SSH Keys to GitHub Accounts

1. Copy the public key for your first account:

cat ~/.ssh/id_ed25519.pub

Add it to your GitHub account under Settings > SSH and GPG keys.

2. Copy the public key for your second account:

cat ~/.ssh/id_ed25519_second.pub

Add it to your second GitHub account under Settings > SSH and GPG keys.

Step 4: Configure SSH Config File

Create or edit the SSH config file:

nano ~/.ssh/config

Add the following configuration:

```
# First account
Host github.com-first
    HostName github.com
    User git
    IdentityFile ~/.ssh/id_ed25519

# Second account
Host github.com-second
    HostName github.com
    User git
    IdentityFile ~/.ssh/id_ed25519_second
```

Step 5: Clone Repositories Using Different Accounts

- For the first account:

  git clone git@github.com-first:username/repo.git

- For the second account:

  git clone git@github.com-second:username/repo.git

Step 6: Set Git Configurations Per Repository

Inside each repository, configure the email and username:

git config user.name "Your Name"

git config user.email "your-email@example.com"

For global settings (optional):

git config --global user.name "Your Name"

git config --global user.email "your-email@example.com"

Switching Between Accounts

- Use the Host alias (github.com-first or github.com-second) when cloning or pushing repositories.

- Make sure the correct user.email and user.name are set in your repository configuration.

This setup allows seamless management of two GitHub accounts on the same laptop!