Having a faster git by using ssh

Problem

When you use git to manage and develop packages for some projects, you may encounter some problems, like error 110, error 443 and so on. It is best for you to change your agreement from http(s) to ssh.

Solution

1.Generate a new ssh key

```
1  ## enter you home dictionary
2  $cd
3
4  ## add your GitHub email and passphrase to ssh-keygen
5  #tip:If you are too old system that does not support the Ed25519 algorithm, y
6  #ssh-keygen -t rsa -b 4096 -C "email_address@example.com"
7  $ssh-keygen -t ed25519 -C "email_address@example.com"
8  Generating public/private ed25519 key pair
9  Enter a file in which to save the key(/your_path/.ssh/id_ed25519):#just press
10 Enter passphrase:#input a passphrase like a passwd which will be used for ver
11 Enter same passphrase again:#just input again
12
13 #Copy the ssh public key
14 $cat /your_path/.ssh/id_ed25519.pub #Copy all words
15
```
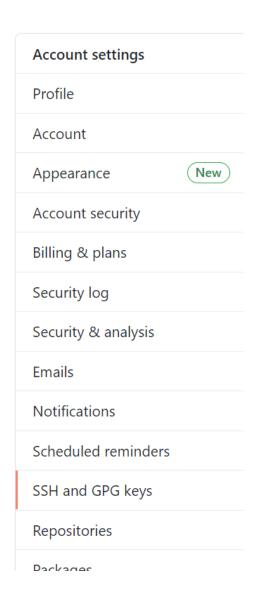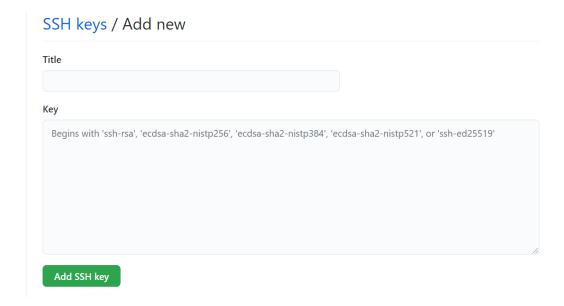
2.Add a ssh for your GitHub

Open the setting of your GitHub, like this:

Account settings

Profile

Account

Appearance   New

Account security

Billing & plans

Security log

Security & analysis

Emails

Notifications

Scheduled reminders

SSH and GPG keys

Repositories

Packages

SSH keys   New SSH key

This is a list of SSH keys associated with your account. Remove any keys that you do not recognize.

Then click New SSH key, like this

Paste what you just copied to Key,then have a name for your key, like my thinkpad

3.Changing url

```
1  #Finally you need to change your project's git aggreement
2  #enter a git project
3  $cd /{your_path}/{your_git_name}/
4
5  #change url
6  $vim .git/config
7  #you will see something, like this:
8  url = https://github.com/{your_GitHub_name}/{your_git_name}.git
9          fetch = +refs/heads/*:refs/remotes/origin/*
10 #just change  ,like this:
11 [remote "origin"]
12         url = git@github.com:{your_GitHub_name}/{your_git_name}.git
13         fetch = +refs/heads/*:refs/remotes/origin/*
```

Having a test

Now, you can use it, like this:

Shell ⌄   L1 (default) ⌄   ⋯

```shell
##test
$git pull
Enter passphrase for key '/{your_path}/.ssh/id_ed25519':#input your passphras
```