How to deploy git on windows 10

1. Download git and tortoisegit
2. Generate the key pair
   1. Run git bash
   2. Generate key
      1. $ ssh-keygen -t rsa -C [your\_email@example.com](mailto:your_email@example.com)
      2. Save the key to the default path”/.ssh/id\_rsa”
      3. There is id\_rsa public and private keys in the folder
      4. If you need more than one key pairs, assign different names for different pairs.
   3. Add the public key to the github account or other git sever.
   4. Test ssh key connection “$ ssh -T [git@github.com](mailto:git@github.com)”
      1. If there are more than one keys, skip this step, first configure the keys.
         1. Check the ssh-key agent
            1. $ ssh-add -l
         2. If “The agent has no identities.” Then there is no agent
         3. If there is an agent, then delete all agent
            1. $ ssh-add -D
         4. If there shows:
            1. Could not open a connection to your authentication agent

Then run:

* + - * 1. ssh-agent bash
      1. Then add ssh agents
         1. $ ssh-add ~/.ssh/key name1
         2. $ ssh-add ~/.ssh/key name2
      2. Configure the ~/.ssh/config file
         1. Host key1.github.com //the name whatever you like, but

//it will influence the git command

* + - * 1. HostName github.com
        2. User username1
        3. PreferredAuthentications publickey
        4. IdentityFile ~/.ssh/key name1
        5. Host key2.github.com
        6. HostName github.com
        7. User username2
        8. PreferredAuthentications publickey
        9. IdentityFile ~/.ssh/key name2
      1. Save the file
      2. If you have set global user.name and user.email, you need unset it and set local username and user.email for each repository.
      3. Then test the connection

$ ssh -T [git@key1.github.com](mailto:git@key1.github.com) //host from config file

$ ssh -T [git@key2.github.com](mailto:git@key2.github.com) //host from config file

* + - 1. When clone the repository from github, the url should be modified:

$ git remote add test git@**key1.github.com**:useraccount/test.git

* + - 1. Now you can use git bush manage your repository.

1. If you wanna use tortoiseGit manage your repository, you can use puttygen generate the key pairs for each of your account
   1. Run puttygen, generate ssh key for each of your account, name and save your private keys and add the public key to the remote serve
   2. Run pageant and add all private keys to the key list.
   3. Clone the repository by ssh url and select the load putty key and the according key.
   4. Open putty and configure the sessions for each of the connection

“How to use two different ssh keys for the same user on the same host

Start PuTTY, fill in the servername (example.com here) in the Host Name-field and put the servername followed by e.g. a number into the Saved Sessions field (e.g. example.com1 or whatever you like). Go to Connection->SSH->Auth and select the key which should be used for this connection. Now go back to Session and hit Save.

Now, **when you want to use this saved session use example.com1 as the servername: Clone git@example.com1:/test.git.** Plink detects that this is a saved session and loads the correct servername and ssh key from the session.”

* 1. Don’t forget that when you clone the repository, you should modify its url by saved sessions name.