**GIT hands-on steps**

**Step 1 configure local git repository server/client**

**On server**

**Step 1**

# sudo bash

# apt update

# apt install git -y

**# apt install openssh-server -y**

# userdel -r gituser

#useradd -d /home/gituser -m gituser

#passwd gituser

**Step 2**

$ su - gituser

$ git config --global user.name "git test user"

$ git config --global user.email "gituser@server1.example.com"

$ git config –list

Step 3

$ mkdir project.git

$ cd project.git/

$ git --bare init

**On node1**

**#vi /etc/hosts**

**192.168.56.101 server.example.com**

**192.168.56.102 node1.example.com**

**:wq**

# sudo bash

# apt update

# apt install git -y

**# apt install openssh-server -y**

#useradd -d /home/jerry -m jerry

#passwd jerry

su - jerry

git config --global user.name "jerry alise mouse"

git config --global user.email "jerry@node1.example.com"

git config --list

ssh-keygen

ssh-copy-id [gituser@](mailto:gituser@)192.168.56.101

ssh 'gituser@server1.example.com'

exit

mkdir jerry\_repo

cd jerry\_repo/

git init

echo 'TODO: Add contents for README' >> README\_node1

echo 'TODO: This info is from node1.example.com' >> README\_node1

git status -s

git add .

git status -s

git commit -m 'Initial commit'

git log

git remote add origin gituser@server1.example.com:project.git

git push origin master

**On node2**

ssh node2

#useradd tom

#passwd tom

su - tom

git config --global user.name "tom alise cat"

git config --global user.email "tom@node2.example.com"

git config --global branch.autosetuprebase always

git config --global color.ui true

git config --global color.status auto

git config --global color.branch auto

git config --global core.editor vim

git config --global merge.tool vimdiff

git config --list

ssh-keygen

ssh-copy-id -i ~/.ssh/id\_rsa.pub [gituser@server1.example.com](mailto:gituser@server1.example.com)

ssh 'gituser@server1.example.com'

exit

mkdir tom\_repo

cd tom\_repo/

git init

echo 'TODO: Add contents for README' >> Readme\_node2

echo 'TODO: This info is from node2.example.com' >> Readme\_node2

git status -s

git add .

git status -s

git commit -m 'Initial commit'

git log

git remote add origin gituser@server1.example.com:project.git

git pull origin master

git push origin master

ls

ssh node1

su - jerry

git pull origin master

ls

**Push to github’s repository from node2**

git remote -v

git remote set-url origin https://github.com/chinnajee/project.git

git remote add origin https://github.com/chinnajee/project.git

git push -u origin master