**Setting up Guld Git Server**

1. Create Digital Ocean server - go to <https://www.digitalocean.com/>
   1. Click on Droplets and then Create Droplet
   2. **Ubunctu**/ 16.04.2 x64 , $10/month – 1Gb, Frankfurt,
   3. add ssh public key - **your\_rsa**
   4. **test ssh: ssh -i ~/.ssh/your\_rsa** [**root@46.101.151.194**](mailto:root@46.101.151.194)
2. Add additional users with sudo rights to server
   * 1. cd .ssh
     2. cat authorized\_keys to see who as access (copy?)
     3. add to authorized\_keys any other root users
3. Create user with sudo rights so that we don’t use root
   1. useradd **git\_owner**
   2. passwd **git\_owner** (will prompt for password)
   3. usermod -aG sudo **git\_owner** give sudo rights
4. Create home directory for sudo id
   1. mkdir /home/**git\_owner**
   2. chown -R **git\_owner**:**git\_owner** /home/**git\_owner** changes owner from root to git\_owner
   3. su **git\_owner** do whoami to confirm change user
   4. mkdir .ssh
   5. nano .ssh/authorized\_keys create authorized keys
   6. chmod 644 .ssh/authorized\_keys
   7. test to see if you can get in via terminal session
5. Need to check that git\_owner is using bash
   1. Open terminal session with git\_fee
   2. echo "$SHELL" should return /bin/bash
      1. if not: got to root terminal
      2. chsh -s /bin/bash git\_owner (password required)
      3. now re-login as git\_owner and test
6. Create another user that will be used for git o lite and does not have sudo rights
   1. Add end user ssh key to git server
7. Now create git user
   1. useradd **git**
   2. passwd **git** (will prompt for password)
8. Create home directory for sudo id
   1. mkdir /home/**git**
   2. chown -R **git**:**git** /home/**git** changes owner from root to git
   3. go to git\_owner user
      1. su **git** do whoami to confirm change user
      2. check that home/git exists
      3. test to see if you can get in via terminal session
9. echo "$SHELL" should return /bin/bash
   * 1. if not: got to root terminal
     2. chsh -s /bin/bash git (password required)
     3. now re-login as git and test
10. Now set up gitolite
11. <http://gitolite.com/gitolite/install/index.html#install-and-setup_1>
12. using user git\_: in home/git copy over guldgit\_rsa.pub
    1. git clone git://github.com/sitaramc/gitolite
    2. ls –l . tab to see hidden directories (this is before install to make sure the files do not exist yet-see document url)
    3. gitolite/install -ln /home/git/gitolite/bin
    4. /home/git/gitolite/bin/gitolite setup -pk guldgit\_rsa.pub
    5. ls -l .
    6. cd .ssh
    7. ls - authorized\_keys created
    8. nano authorized\_keys
    9. cd
    10. ls - projects.list repositories created
13. To test:
    1. On local machine:
       1. Add to config file:  
          host 46.101.151.194

HostName 46.101.151.194

IdentityFile ~/.ssh/guldgit\_rsa

User git

* 1. git clone [git@46.101.151.194:gitolite-admin](mailto:git@46.101.151.194:gitolite-admin)

1. To add user via terminal:
2. To add user via file system:
   1. Cd /Users/JK/guldtestgithub/gitolite-admin/keydir
      1. Add cz.pub
      2. Add isysd.pub
      3. Git status – see 2 files added
      4. Git add cz.pub
      5. git add isysd.pub
      6. git status
      7. git commit -m "adding Ira and Cindy"
      8. git push
      9. if not good:
         1. git reset HEAD~1
   2. now add admin rights
      * 1. nano gitolite.conf
        2. git status
        3. git add gitolite.conf
        4. git commit -m "add admin rights for Cindy and Ira"
        5. git push
        6. git status

1. To power down from terminal: sudo poweroff
2. To turn back on – use web UI: <https://cloud.digitalocean.com/droplets/52509073/power?i=d1eccb>
3. Need to test:
   1. Ssh into server ie : ssh -i ~/.ssh/your\_rsa root@46.101.151.194
   2. Ssh into server ie : ssh -i ~/.ssh/your\_rsa [git\_owner@46.101.151.194](mailto:git_jefe@46.101.151.194)
   3. Su git
4. If you screw up: If you need to remove user from sudo rights:  
   sudo gpasswd -d user\_name sudo
5. Cindy notes:  
   While in Root:  
     
   Create a user and add a password:  
     
   useradd user\_name  
   passwd user\_name  
     
     
   Give Sudo rights:  
   usermod -aG sudo user\_name  
     
     
   Add a home Directory, .ssh directory, auth file for ssh and rights  
     
   mkdir /home/user\_name  
   chown -R user\_name:user\_name /home/user\_name  
   su user\_name  
   cd  
   mkdir .ssh  
   nano .ssh/authorized\_keys  
   chmod 644 .ssh/authorized\_keys  
     
     
   In case you need to change the shell to a bash shell:  
   echo "$SHELL"  
     
   (must be root user to do this)  
   chsh -s /bin/bash user\_name  
     
   If you need to remove user from sudo rights:  
   sudo gpasswd -d user\_name sudo