Instructions to Get Git working on Mac

(and setup a Public Key Infrastructure while you're at it)

1. Run Terminal (from the XXXX), and connect to leavitt.lsa.umich.edu with your userid and password. Then follow the instructions below, substituting your uniqname for gears. In fact, if you want to find and replace all occurrences of "gears" in this document with your uniqname, that would be best. When prompted, it is recommended to use a passphrase you can easily remember. Lines that begin with "#" are comments and can be skipped.

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| [gears@localhost ~]$ ssh [gears@leavitt.lsa.umich.edu](mailto:gears@leavitt.lsa.umich.edu)  [gears@leavitt ~]$ ssh-keygen -t rsa -b 2048 -C "gears@umich.edu"  Generating public/private rsa key pair.  Enter file in which to save the key (/home/gears/.ssh/id\_rsa):  Created directory '/home/gears/.ssh'.  Enter passphrase (empty for no passphrase): [Type a passphrase]  Enter same passphrase again: [Type passphrase again]  Your identification has been saved in /home/gears/.ssh/id\_rsa.  Your public key has been saved in /home/gears/.ssh/id\_rsa.pub.  The key fingerprint is:  a9:fc:07:e8:d2:20:36:22:f8:00:c2:17:ea:5c:3b:a8 gears@leavitt.lsa.umich.edu  The key's randomart image is:  (some unimportant output deleted)    [gears@leavitt ~]$ cd  [gears@leavitt ~]$ chmod a+rx .  [gears@leavitt ~]$ chmod go-w .  [gears@leavitt ~]$ mkdir public  [gears@leavitt ~]$ chmod a+rx public  [gears@leavitt ~]$ cp ~/.ssh/id\_rsa.pub /tmp/gears.pub  [gears@leavitt ~]$ ssh-copy-id -i ~/.ssh/id\_rsa.pub [gears@leavitt.lsa.umich.edu](mailto:gears@leavitt.lsa.umich.edu)  [gears@leavitt ~]$ #set up ssh agent - ONLY run once!  [gears@leavitt ~]$ cat /tmp/bash\_profile\_addition >> ~/.bash\_profile  [gears@leavitt ~]$ chmod go-rwx ~/.ssh  [gears@leavitt ~]$ logout  [gears@localhost ~]$ # Now we setup your workstation with the keys  [gears@localhost ~]$ mkdir ~/.ssh  [gears@localhost ~]$ scp gears@leavitt.lsa.umich.edu:/home/gears/.ssh/id\_rsa.pub ~/.ssh/id\_rsa.pub  [gears@localhost ~]$ scp gears@leavitt.lsa.umich.edu:/home/gears/.ssh/id\_rsa ~/.ssh/id\_rsa  [gears@localhost ~]$ chmod 700 ~  [gears@localhost ~]$ chmod 700 ~/.ssh  [gears@localhost ~]$ chmod 700 ~/.ssh/id\_rsa  [gears@localhost ~]$ ssh-add -K  [gears@localhost ~]$ exit |

1. Next send Steve an email that step 2 has been completed.
2. Install Git if you have not already done so: <http://git-scm.com/>
3. Install DeltaWalker from <http://www.deltopia.com/compare-merge-sync/macosx/>

(Note: get the key from Sean)

1. Wait for a response from the email you sent to Steve from step #2
2. Open a new Terminal shell to configure Git:

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| [gears@localhost ~]$ git config --global user.name "Steve Coffman"  [gears@localhost ~]$ git config --global user.email "gears@umich.edu"  [gears@localhost ~]$ git config --global core.excludesfile ~/.gitignore  [gears@localhost ~]$ echo .DS\_Store >> ~/.gitignore  [gears@localhost ~]$ git config --global color.ui true  [gears@localhost ~]$ # next 2 lines set deltawalker as your default diff and merge tools  [gears@localhost ~]$ git config --global diff.tool deltawalker  [gears@localhost ~]$ git config --global merge.tool deltawalker  [gears@localhost ~]$ # sets textmate as your default editor, skip if you're using something else  [gears@localhost ~]$ git config --global core.editor "mate --wait"  [gears@localhost ~]$ mkdir git  [gears@localhost ~]$ cd git  [gears@localhost ~]$ git clone gitolite@leavitt.lsa.umich.edu:testing  [gears@localhost ~]$ exit |

You should see a file welcome.txt in a directory "testing" below your home directory. Email me to let me know!

-Steve