**git init**

The git init command creates a new Git repository

**Debian/Ubuntu**

**sudo apt-get install git**

$ apt-get install git

Introduce yourself to Git

**git config --global user.name "Your name"**

**git config --global user.email "youremail@gmail.com"**

**mkdir** myproject

**cd** myproject

git init

git --bare init

**cd** **/**home**/**username**/**git

**mkdir** myproject

**cd** myproject

git --bare init

**mkdir /home/repo/helloworld.git**

**cd /home/repo/helloworld.git**

**git init <directory>**

Create an empty Git repository in the specified directory. Running this command will create a new folder called <directory containing nothing but the .git subdirectory.

**git init --bare <directory>**

Initialize an empty Git repository, but omit the working directory. Shared repositories should always be created with the --bare flag (see discussion below). Conventionally, repositories initialized with the --bare flag end in .git. For example, the bare version of a repository called my-project should be stored in a directory called my-project.git.

**ssh <user>@<host>**

**cd path/above/repo**

**git init --bare my-project.git**

First, you SSH into the server that will contain your central repository. Then, you navigate to wherever you’d like to store the project. Finally, you use the --bare flag to create a central storage repository. Developers would then [clone](/tutorials/setting-up-a-repository/git-clone) my-project.git to create a local copy on their development machine.

**git clone**

The git clone command copies an existing Git repository. This is sort of like svn checkout, except the “working copy” is a full-fledged Git repository—it has its own history, manages its own files, and is a completely isolated environment from the original repository.

As a convenience, cloning automatically creates a remote connection called origin pointing back to the original repository. This makes it very easy to interact with a central repository

**git clone <repo>**

Clone the repository located at <repo> onto the local machine. The original repository can be located on the local filesystem or on a remote machine accessible via HTTP or SSH.

**git clone <repo> <directory>**

Clone the repository located at <repo> into the folder called <directory> on the local machine.

***Su root*** to go to Root directory it will ask for password enter password and create folder as required

**sudo chmod -R a+rwx /opt/sei/poc/**

**sudo apt-get update**

**sudo apt-get install git**

**useradd -m -d /data/maheshab maheshab**

**useradd -m -d /data/manohard manohard -- create a new user**

**sudo chmod -R a+rwx /opt/sei/** -- Give read/write permission to folder

**rmdir portal** -- remove empty directory

**rm -r sourcecode** -- remove directory and subdirectories (even non empty directiry)

To remove a directory that is full with other files or directories, use the below command.

**rm -r directory**

System’s package database is up to date and that all installed software is running the latest version.

Update your system by issuing the following commands from your shell:

**sudo apt-get update**

**sudo apt-get upgrade**

**git config --global user.name "sci"**

**sudo chmod -R a+rwx /opt/sei.git/**

git branch

**sudo groupadd seigroup**  -- To add Group

**sudo chgrp -R gitgroup /opt/sei.git/**

**sudo chmod g+w /opt/sei.git/**

**sudo adduser gaurav13147 seigroup**

**useradd -m -d /data/gaurav13147 gaurav13147**

sudo passwd **gaurav13147 -** to set new password

**sudo aptitude install gitweb #** -- Gitweb is the tool we are going to use to browse git repositories via web.

Then change the umask for the users to 002, so that new files get created with group-writable permissions

chgrp -R **seigroup** **/opt/sei.git/**

chmod -R g+swX **/opt/sei.git/**

**sudo adduser manohard seigroup**

sudo passwd **manohard -** to set new password

: **ssh://[user@]host.xz[:port]/path/to/repo.git/**

**ssh://manohard@172.16.211.144/SCISourceCode**

git remote add **SCISourceCode** ssh://manohard/**/opt/sei.git/**

git push sei.git master:master

**ssh://manohard@172.16.211.134/opt/sei.git**

<http://download.eclipse.org/egit/updates>

chmod -R g+swX **/opt/seisource.git/.git**

chmod -R g+swX **/opt/seisource.git**

chgrp -R **seisource** **/opt/seisource.git**

**sudo groupadd seinew**

**sudo adduser gauvraj seisource**

**sudo adduser manohard seinew**

**useradd -m -d /data/gauravj gauravj**

chmod -R g+swX **/opt/seinew.git**

chgrp -R <whatever group> gitrepo

chmod -R g+swX sei\_app

**sudo adduser gauvraj seinew**

sudo passwd **gauvraj -** to set new password

sudo passwd **manohard -** to set manohard

**sudo adduser gauvraj seigroup**

**useradd -m –d /opt/seinew.git**

**gauvravj gauvraj**

**sudo adduser gauravj seinew**

sudo passwd **gauravj**

chmod g+swX **/opt/**sei

chmod 777 **/opt/**sei

sudo chmod -R 777 **/opt/**sei

sudo chmod -R 777 startup.sh

sudo chmod -R 777 catalina.sh

sudo chmod -R 777 /var/lib/mysql

**set JAVA\_HOME in ubuntu**

sudo -H edit /etc/profile

JAVA\_HOME=/usr/lib/jvm/jdk1.7.0

PATH=$PATH:$HOME/bin:$JAVA\_HOME/bin

export JAVA\_HOME

export JRE\_HOME

export PATH