Creating Local apt Repository

Server (Ubuntu):

First some package installation is required :

* sudo apt-get install apache2 (installing apache server)
* sudo apt-get install dpkg-dev

(there maybe apt error so follow this link to fix)

<https://itsfoss.com/could-not-get-lock-error/>

Solution:

ps aux | grep -i apt

This will show you the id of the process running apt or apt-get.

Using process id it can be killed :

* sudo kill -9 <process id>

Troubleshoot: dpkg: error: dpkg frontend is locked by another process

First, lets find out the id of the process that is holding the lock file.

* lsof /var/lib/dpkg/lock-frontend

The above command will give you the PID of the processes using the lock files

This PID is used to kill the process.

* sudo kill -9 PID

Now the lock can be removed and reconfigure dpkg:

* sudo rm /var/lib/dpkg/lock-frontend
* sudo dpkg --configure -a

Creating deb file directory architecture:

sudo mkdir /var/www/html/debs

sudo chmod 777 /var/www/html/debs (giving other users permission)

sudo mkdir /var/www/html/debs/amd64

sudo chmod 777 /var/www/html/debs/amd64

sudo gedit ~/bin/mydeb1 (creating bash file and can use any folder or name)

( if gedit command not found then..

sudo apt-get install gedit )

#! /bin/bash

sudo cp /var/cache/apt/archives/\*.deb /var/www/html/debs/amd64

cd /var/www/html/debs/amd64

dpkg-scanpackages . /dev/null | gzip -9c > Packages.gz

sudo chmod 777 ~/bin/mydeb1 (give permission)

sudo ./mydeb1(run it where mydeb1 exists and run it

every time a new deb file is added)

to see ip adreess:

sudo apt-get install net-tools

ip addr

ip address will be shown at the bottom...that ip address will be used as

source for client

**Client :**

sudo gedit /etc/apt/sources.list

(if gedit command not found then

sudo apt-get install gedit )

deb [trusted=yes] http://192.168.58.129/debs/amd64 ./ (use ur ip address of server)

\*\*remove or comment out all other sources from client

sudo apt-get update (update every time something new needs to be installed)

then install a package to check if it works (e.g codeblocks which has to be in server)

