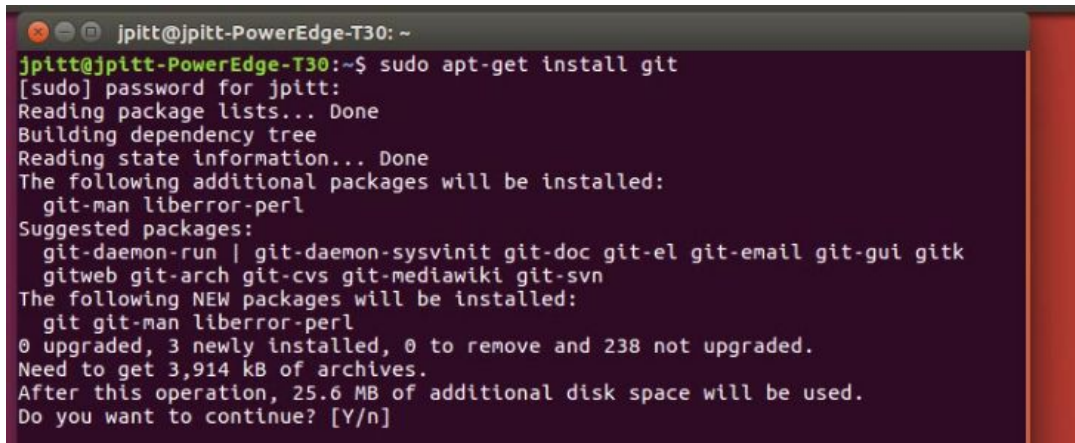


## Installing the WormBot software

**1. Install git.** Open a terminal by right clicking on the Desktop and select "Open Terminal". When the terminal opens type:

```
sudo apt-get install git
```

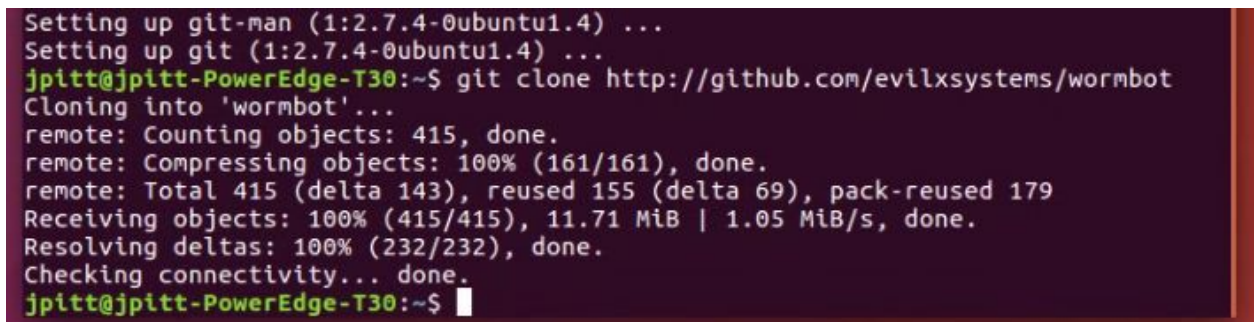
A terminal window screenshot showing the command 'sudo apt-get install git' being executed. The output shows the installation process, including reading package lists, building a dependency tree, and listing additional packages to be installed (git-man, liberror-perl) and suggested packages (git-daemon-run, git-daemon-sysvinit, git-doc, git-el, git-email, git-gui, gitk, gitweb, git-arch, git-cvs, git-mediawiki, git-svn). It also shows the disk space requirements and asks for confirmation to continue with 'Y/n'.

```
jpitt@jpitt-PowerEdge-T30: ~  
jpitt@jpitt-PowerEdge-T30:~$ sudo apt-get install git  
[sudo] password for jpitt:  
Reading package lists... Done  
Building dependency tree  
Reading state information... Done  
The following additional packages will be installed:  
  git-man liberror-perl  
Suggested packages:  
  git-daemon-run | git-daemon-sysvinit git-doc git-el git-email git-gui gitk  
  gitweb git-arch git-cvs git-mediawiki git-svn  
The following NEW packages will be installed:  
  git git-man liberror-perl  
0 upgraded, 3 newly installed, 0 to remove and 238 not upgraded.  
Need to get 3,914 kB of archives.  
After this operation, 25.6 MB of additional disk space will be used.  
Do you want to continue? [Y/n]
```

Enter **Y** to allow the install to proceed

**2. Clone the GitHub WormBot repository.** After git is installed in the terminal window type:

```
git clone http://github.com/evilxsystems/wormbot
```

A terminal window screenshot showing the command 'git clone http://github.com/evilxsystems/wormbot' being executed. The output shows the cloning process, including counting objects, compressing objects, and receiving objects. It also shows the disk space requirements and asks for confirmation to continue with 'Y/n'.

```
Setting up git-man (1:2.7.4-0ubuntu1.4) ...  
Setting up git (1:2.7.4-0ubuntu1.4) ...  
jpitt@jpitt-PowerEdge-T30:~$ git clone http://github.com/evilxsystems/wormbot  
Cloning into 'wormbot'...  
remote: Counting objects: 415, done.  
remote: Compressing objects: 100% (161/161), done.  
remote: Total 415 (delta 143), reused 155 (delta 69), pack-reused 179  
Receiving objects: 100% (415/415), 11.71 MiB | 1.05 MiB/s, done.  
Resolving deltas: 100% (232/232), done.  
Checking connectivity... done.  
jpitt@jpitt-PowerEdge-T30:~$
```

**3. Install the WormBot software.** In the terminal window first go to the wormbot repository directory by typing:

```
cd wormbot
```

Then run the install script by typing:

```
sudo ./INSTALL
```

```
jpitt@jpitt-PowerEdge-T30: ~/wormbot
Setting up liberror-perl (0.17-1.2) ...
Setting up git-man (1:2.7.4-0ubuntu1.4) ...
Setting up git (1:2.7.4-0ubuntu1.4) ...
jpitt@jpitt-PowerEdge-T30:~$ git clone http://github.com/evilxsystems/wormbot
Cloning into 'wormbot'...
remote: Counting objects: 415, done.
remote: Compressing objects: 100% (161/161), done.
remote: Total 415 (delta 143), reused 155 (delta 69), pack-reused 179
Receiving objects: 100% (415/415), 11.71 MiB | 1.05 MiB/s, done.
Resolving deltas: 100% (232/232), done.
Checking connectivity... done.
jpitt@jpitt-PowerEdge-T30:~$ ls
Desktop      Downloads      Music          out.ogv       Public        Videos
Documents    examples.desktop  out-1.ogv     Pictures       Templates     wormbot
jpitt@jpitt-PowerEdge-T30:~$ cd wormbot
jpitt@jpitt-PowerEdge-T30:~/wormbot$ ls
backup          INSTALL          test_data
bin             makefile         test.sh
camera.config   platecoordinates.dat  TODO.txt
CONFIG          platform.html    var
data_path      retrograde      web
generate_coordinates.py  src              wormbot_firmware.ino
img            startWormbot     www
jpitt@jpitt-PowerEdge-T30:~/wormbot$ sudo ./INSTALL
```

NOTE! This will take a very long time (perhaps 30 minutes). The installer is compiling the OPENCV and FFMPEG packages from source...this takes a long time.

During the Install the Micro\$oft font package will require you to accept some licensing terms. Use the tab key to highlight [ok] and the enter key to select it to accept the license.

```
jpitt@jpitt-PowerEdge-T30: ~/wormbot
Package configuration
-----
|           Configuring ttf-mscorefonts-installer           |
-----
TrueType core fonts for the Web EULA

END-USER LICENSE AGREEMENT FOR MICROSOFT SOFTWARE

IMPORTANT-READ CAREFULLY: This Microsoft End-User License Agreement
("EULA") is a legal agreement between you (either an individual or a
single entity) and Microsoft Corporation for the Microsoft software
accompanying this EULA, which includes computer software and may include
associated media, printed materials, and "on-line" or electronic
documentation ("SOFTWARE PRODUCT" or "SOFTWARE"). By exercising your
rights to make and use copies of the SOFTWARE PRODUCT, you agree to be
bound by the terms of this EULA. If you do not agree to the terms of
this EULA, you may not use the SOFTWARE PRODUCT.

      <Ok>
```

4. **Verify the WormBot software is installed** on the server. Open a web browser on the computer connected to the wormbot and navigate to <http://127.0.0.1/cgi-bin/experimentbrowser>. You should see a web page that looks similar to the following:

