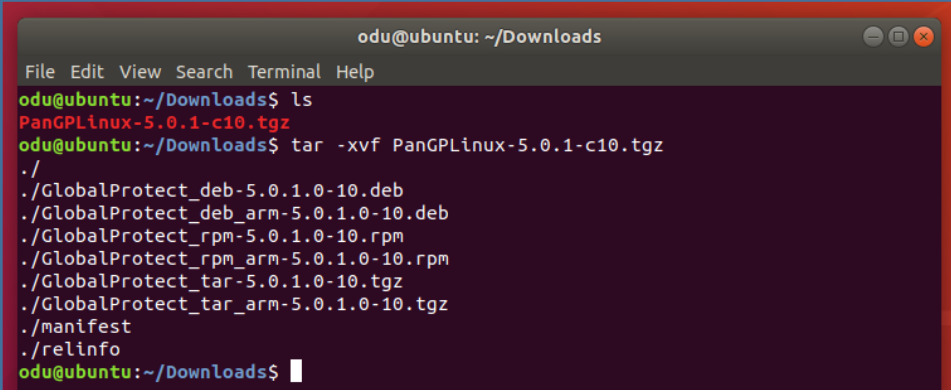


Installing GlobalProtect VPN Client (Linux)

Installing GlobalProtect

1. Download the client from the ITS website at <https://docs.odu.edu/restricted/software/facstaff/PanGPLinux-5.0.1-c10.tgz>
2. Decompress the TGZ file to extract the installation package using the following command:

```
user@host:~$ tar -xvf PanGPLinux-5.0.1-c10.tgz
```

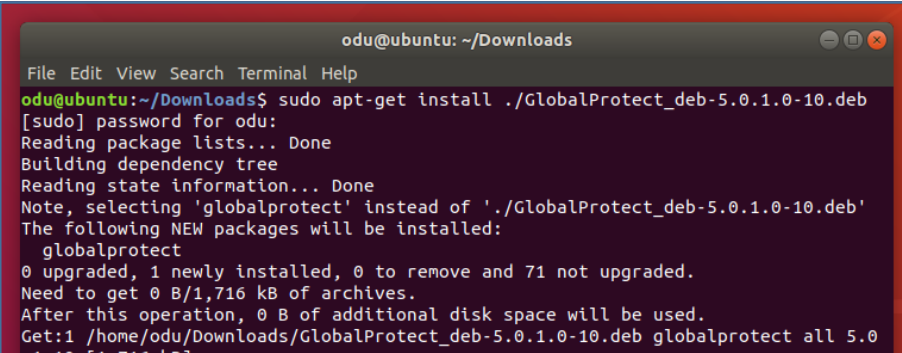


```
odu@ubuntu: ~/Downloads
File Edit View Search Terminal Help
odu@ubuntu:~/Downloads$ ls
PanGPLinux-5.0.1-c10.tgz
odu@ubuntu:~/Downloads$ tar -xvf PanGPLinux-5.0.1-c10.tgz
./
./GlobalProtect_deb-5.0.1.0-10.deb
./GlobalProtect_deb_arm-5.0.1.0-10.deb
./GlobalProtect_rpm-5.0.1.0-10.rpm
./GlobalProtect_rpm_arm-5.0.1.0-10.rpm
./GlobalProtect_tar-5.0.1.0-10.tgz
./GlobalProtect_tar_arm-5.0.1.0-10.tgz
./manifest
./relinfo
odu@ubuntu:~/Downloads$
```

3. Install the application package that corresponds to the distribution of Linux that GlobalProtect is being installed on.
 - a. For Red Hat Enterprise Linux, CentOS and other derivatives, use the "rpm" file:

```
user@host:~$ sudo rpm -ivh ./GlobalProtect_rpm-5.0.1.0-10.rpm
```
 - b. For Debian, Ubuntu and other derivatives, use the "deb" file:

```
user@host:~$ sudo apt-get install ./GlobalProtect_deb-5.0.1.0-10.deb
```



```
odu@ubuntu: ~/Downloads
File Edit View Search Terminal Help
odu@ubuntu:~/Downloads$ sudo apt-get install ./GlobalProtect_deb-5.0.1.0-10.deb
[sudo] password for odu:
Reading package lists... Done
Building dependency tree
Reading state information... Done
Note, selecting 'globalprotect' instead of './GlobalProtect_deb-5.0.1.0-10.deb'
The following NEW packages will be installed:
  globalprotect
0 upgraded, 1 newly installed, 0 to remove and 71 not upgraded.
Need to get 0 B/1,716 kB of archives.
After this operation, 0 B of additional disk space will be used.
Get:1 /home/odu/Downloads/GlobalProtect_deb-5.0.1.0-10.deb globalprotect all 5.0.1-10 [1,716 kB]
```



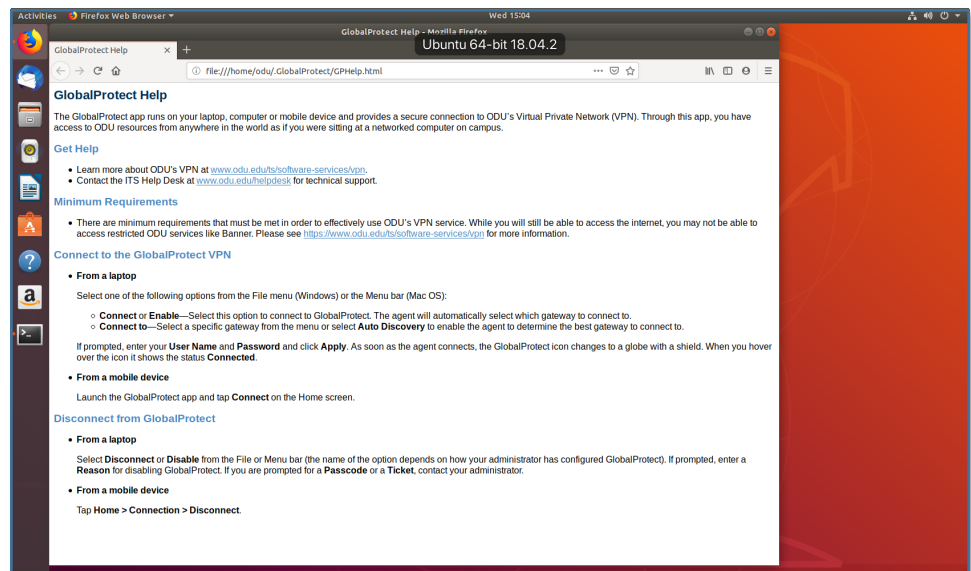
4. View the help for the GlobalProtect app to confirm installation, and view command line options:

```
user@host:~$ globalprotect help
```

```
odu@ubuntu: ~  
File Edit View Search Terminal Help  
odu@ubuntu:~$ globalprotect help  
Usage: globalprotect [COMMAND] [OPTIONS] [args...]  
  
COMMAND: Specifies the action to perform. It can be one of the following:  
collect-log      -- collect log information  
connect          -- connect to server  
disconnect       -- disconnect  
disable          -- disable connection  
import-certificate -- import client certificate file  
quit             -- quit from prompt mode  
rediscover-network -- network rediscovery  
remove-user      -- clear credential  
resubmit-hip     -- resubmit HIP information  
set-log          -- set debug level  
show             -- show information  
  
OPTIONS: Specifies options for the selected command.  
Input a command and then press tab to get options for the selected command.  
Read more details in man globalprotect.  
  
EXAMPLES:  
Connect to portal with user id:  
>> connect -p gp.acme.com -u test  
  
Show current status:  
>> show --status  
  
odu@ubuntu:~$
```

5. To view additional help information, use the following command, which will open a browser window with links to the ITS web site:

```
user@host:~$ globalprotect show -help
```

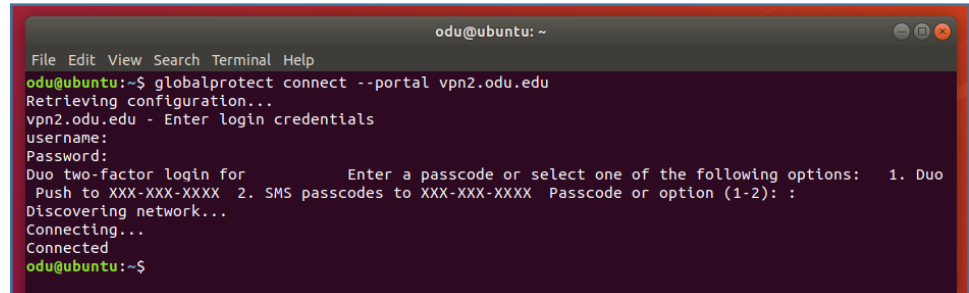




Connecting to the ODU VPN

- To connect to the VPN, use the following command:

```
user@host:~$ globalprotect connect --portal vpn2.odu.edu
```

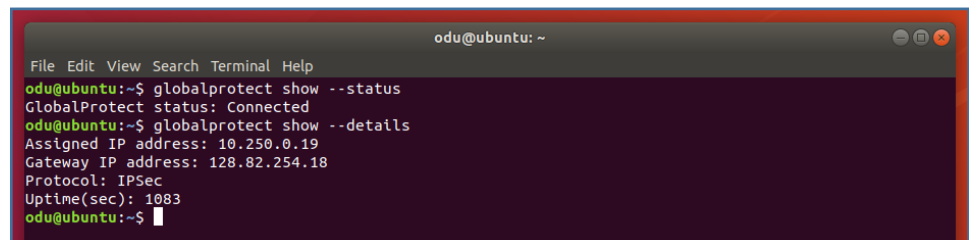


```
odu@ubuntu: ~  
File Edit View Search Terminal Help  
odu@ubuntu:~$ globalprotect connect --portal vpn2.odu.edu  
Retrieving configuration...  
vpn2.odu.edu - Enter login credentials  
username:  
Password:  
Duo two-factor login for          Enter a passcode or select one of the following options:  1. Duo  
Push to XXX-XXX-XXXX  2. SMS passcodes to XXX-XXX-XXXX  Passcode or option (1-2): :  
Discovering network...  
Connecting...  
Connected  
odu@ubuntu:~$
```

The client will prompt for Monarch-Key login credentials, followed by a Duo two-factor login. Press “1” and hit enter to receive a push to your default Duo device, or choose one of the other options to proceed.

- To view the current status of the VPN client, use the following commands:

```
user@host:~$ globalprotect show --status  
user@host:~$ globalprotect show --details
```

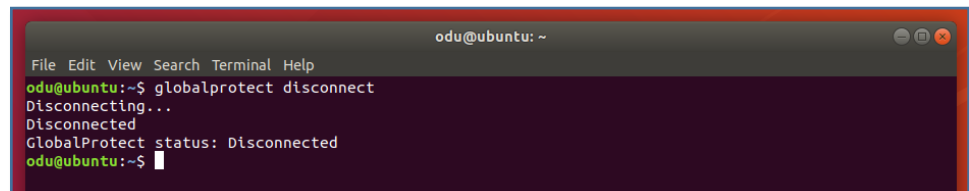


```
odu@ubuntu: ~  
File Edit View Search Terminal Help  
odu@ubuntu:~$ globalprotect show --status  
GlobalProtect status: Connected  
odu@ubuntu:~$ globalprotect show --details  
Assigned IP address: 10.250.0.19  
Gateway IP address: 128.82.254.18  
Protocol: IPSec  
Uptime(sec): 1083  
odu@ubuntu:~$
```

Disconnecting from the ODU VPN

- To disconnect from the VPN, use the following command:

```
user@host:~$ globalprotect disconnect
```



```
odu@ubuntu: ~  
File Edit View Search Terminal Help  
odu@ubuntu:~$ globalprotect disconnect  
Disconnecting...  
Disconnected  
GlobalProtect status: Disconnected  
odu@ubuntu:~$
```