

# Installing GlobalProtect VPN Client (Ubuntu)

## Installing GlobalProtect GUI

To use the GlobalProtect graphic user interface, you need Ubuntu 18.04 LTS. To install and use the command line interface, see [page 4](#).

1. Download the client and go to your **Downloads** folder.

```
odu@ubuntu:~/Downloads$ ls
PanGPLinux-5.2.3-c10.tgz
odu@ubuntu:~/Downloads$
```

2. Run the following command:

```
tar -xvf PanGPLinux-5.2.5-c10.tgz
```

```
odu@ubuntu:~/Downloads$ tar -xvf PanGPLinux-5.2.3-c10.tgz
./
./GlobalProtect_deb-5.2.3.0-10.deb
./GlobalProtect_deb_arm-5.2.3.0-10.deb
./GlobalProtect_rpm-5.2.3.0-10.rpm
./GlobalProtect_rpm_arm-5.2.3.0-10.rpm
./GlobalProtect_tar-5.2.3.0-10.tgz
./GlobalProtect_tar_arm-5.2.3.0-10.tgz
./GlobalProtect_UI_deb-5.2.3.0-10.deb
./GlobalProtect_UI_rpm-5.2.3.0-10.rpm
./GlobalProtect_UI_tar-5.2.3.0-10.tgz
./manifest
./relinfo
odu@ubuntu:~/Downloads$
```

3. Run the **ls** command to ensure that the “GlobalProtect\_UI\_<deb,rp-m,tar>-5.2.5.0-10” files were put into a directory.

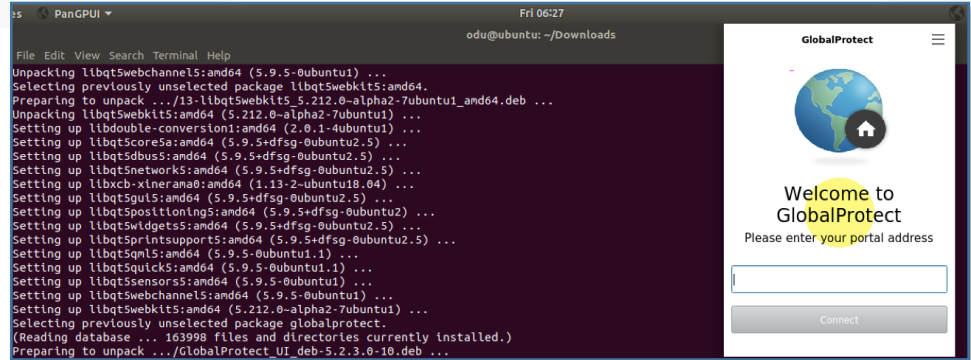
```
odu@ubuntu:~/Downloads$ ls
GlobalProtect_deb-5.2.3.0-10.deb      GlobalProtect_rpm_arm-5.2.3.0-10.rpm  GlobalProtect_UI_deb-5.2.3.0-10.deb
GlobalProtect_deb_arm-5.2.3.0-10.deb  GlobalProtect_tar-5.2.3.0-10.tgz      GlobalProtect_UI_rpm-5.2.3.0-10.rpm
GlobalProtect_rpm-5.2.3.0-10.rpm      GlobalProtect_tar_arm-5.2.3.0-10.tgz  GlobalProtect_UI_tar-5.2.3.0-10.tgz
odu@ubuntu:~/Downloads$
```

4. Run the following command to install the GlobalProtect UI client:

```
sudo apt-get install ~/Downloads/GlobalProtect_UI_
deb-5.2.5.0-10.deb
```

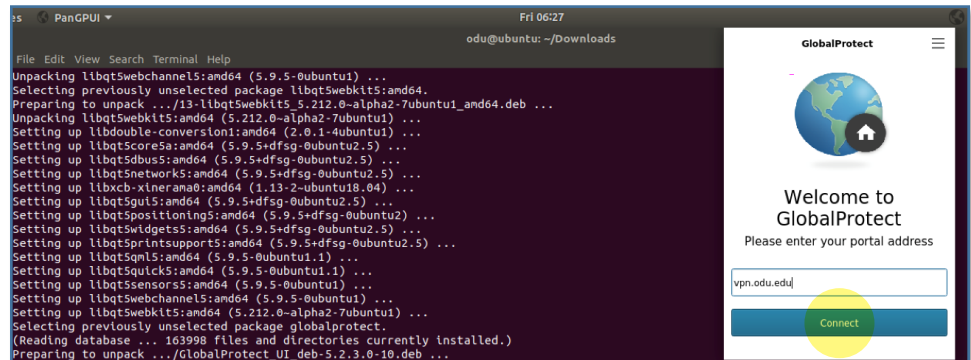
```
odu@ubuntu:~/Downloads$ sudo apt-get install ~/Downloads/GlobalProtect_UI_deb-5.2.3.0-10.deb
```

- Once the installation completes, the GlobalProtect GUI will appear asking for a portal address.

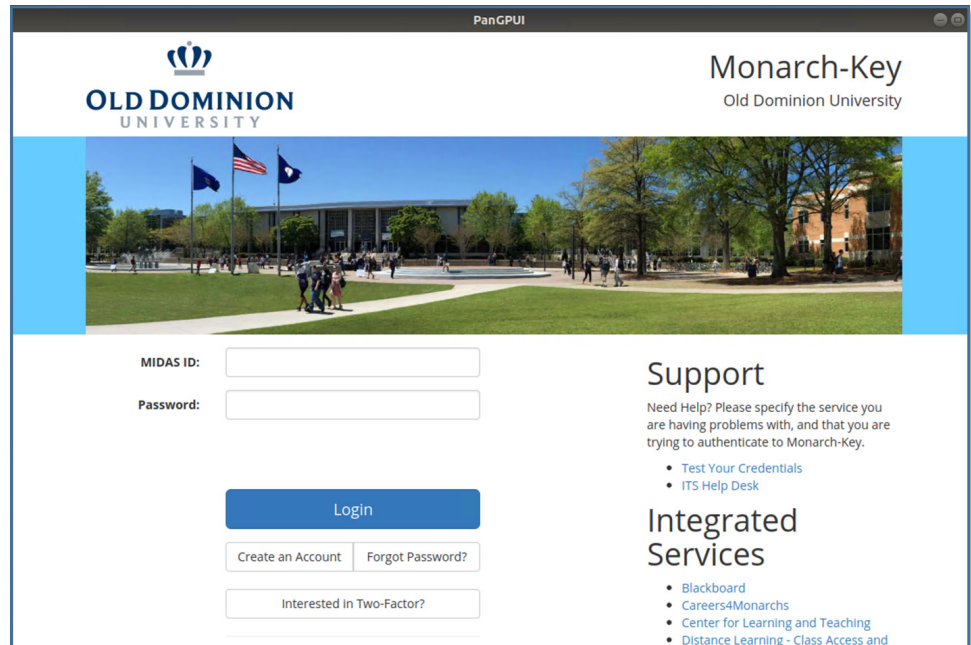


## Connecting to the ODU VPN (GUI)

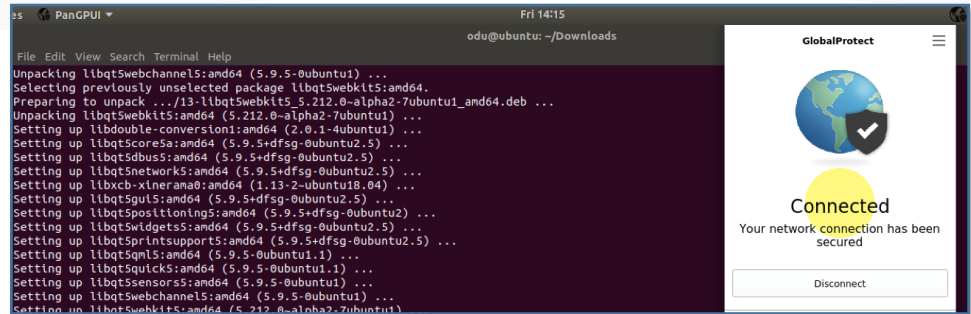
- Within the GlobalProtect GUI, type in **vpn.odu.edu**. Then hit **Connect**.



- Once the connection is initiated, you will see a Monarch-Key login page. Enter your MIDAS ID and password, and authenticate with your second factor:

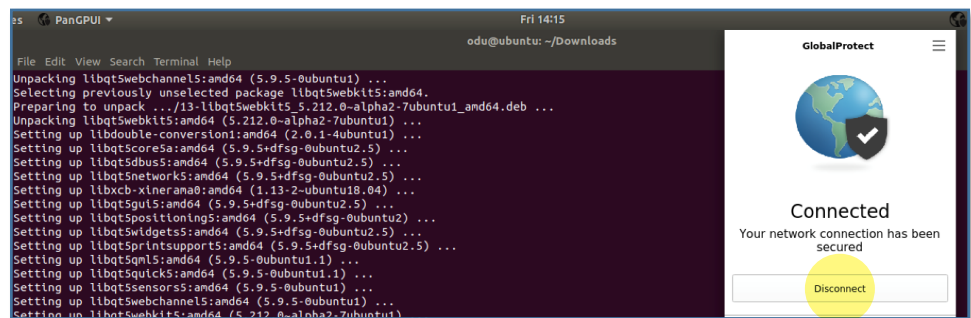


3. The GlobalProtect GUI will show that you have successfully connected to the ODU VPN.



## Disconnecting from the ODU VPN (GUI)

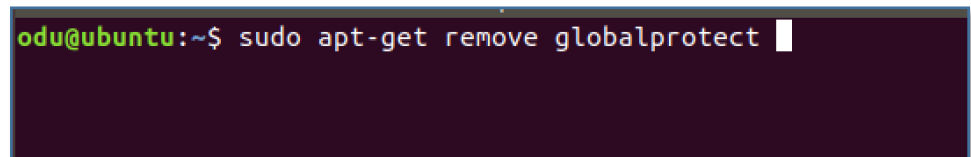
1. To disconnect from the VPN, click on the globe at the top right of the screen, then click **Disconnect**.



## Removing the GlobalProtect agent

1. To remove the GlobalProtect agent, run this command:

```
sudo apt-get remove globalprotect
```



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*The rest of this guide walks through the GlobalProtect command line interface.*



## Installing GlobalProtect CLI

To use the GlobalProtect command line interface:

1. Download the client and go to your **Downloads** folder.

```
odu@ubuntu: ~/Downloads
odu@ubuntu:~/Downloads$ ls
PanGPLinux-5.2.3-c10.tgz
odu@ubuntu:~/Downloads$
```

2. Run the following command:

```
tar -xvf PanGPLinux-5.2.5-c10.tgz
```

```
odu@ubuntu:~/Downloads$ tar -xvf PanGPLinux-5.2.3-c10.tgz
./
./GlobalProtect_deb-5.2.3.0-10.deb
./GlobalProtect_deb_arm-5.2.3.0-10.deb
./GlobalProtect_rpm-5.2.3.0-10.rpm
./GlobalProtect_rpm_arm-5.2.3.0-10.rpm
./GlobalProtect_tar-5.2.3.0-10.tgz
./GlobalProtect_tar_arm-5.2.3.0-10.tgz
./GlobalProtect_UI_deb-5.2.3.0-10.deb
./GlobalProtect_UI_rpm-5.2.3.0-10.rpm
./GlobalProtect_UI_tar-5.2.3.0-10.tgz
./manifest
./relinfo
odu@ubuntu:~/Downloads$
```

3. Run the following command to install GlobalProtect:

```
sudo dpkg -i GlobalProtect_deb-5.2.5.0-10.deb
```

```
odu@ubuntu:~/Downloads$ sudo dpkg -i GlobalProtect_deb-5.2.3.0-10.deb
Selecting previously unselected package globalprotect.
(Reading database ... 179799 files and directories currently installed.)
Preparing to unpack GlobalProtect_deb-5.2.3.0-10.deb ...
Start installing gp...
Unpacking globalprotect (5.2.3-10) ...
Setting up globalprotect (5.2.3-10) ...
Enable gp service...
Starting gp service...
Create symlink for gp cli...
Starting gpa...
Processing triggers for man-db (2.9.1-1) ...
odu@ubuntu:~/Downloads$
```



- Once installed, you can view the available commands with **globalprotect help**.

```
odu@ubuntu:~/Downloads$ 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
```

## Connecting to the ODU VPN (CLI)

- Connect to the VPN with **globalprotect connect --portal vpn2.odu.edu**.

```
odu@ubuntu:~$ globalprotect connect --portal vpn2.odu.edu
Retrieving configuration...
vpn2.odu.edu - Authentication Failed. Enter login credentials
username( ): 
Password: 
Duo two-factor login for  Enter a passcode or select one of th
- (next code starts with: 2) Passcode or option (1-2): :
Discovering network...
Connecting...
Connected
odu@ubuntu:~$
```

- You can see the status of your VPN connection with **globalprotect show --status** and **globalprotect show --details**.

```
odu@ubuntu:~$ globalprotect show --status
GlobalProtect status: Connected
odu@ubuntu:~$ globalprotect show --details
Gateway Name: its-gw-b.vpn.odu.edu
Gateway Description: its-gw-b.vpn.odu.edu
Assigned IP Address: 10.250.0.220
Gateway IP Address: 128.82.254.56
Gateway Location:
Protocol: SSL
Uptime(sec): 1655
odu@ubuntu:~$
```



## Disconnecting from the ODU VPN (CLI)

1. Disconnect from the VPN with **globalprotect disconnect**.

```
odu@ubuntu:~/Downloads$ globalprotect disconnect
Disconnecting...
Disconnected
GlobalProtect status: Disconnected
odu@ubuntu:~/Downloads$
```