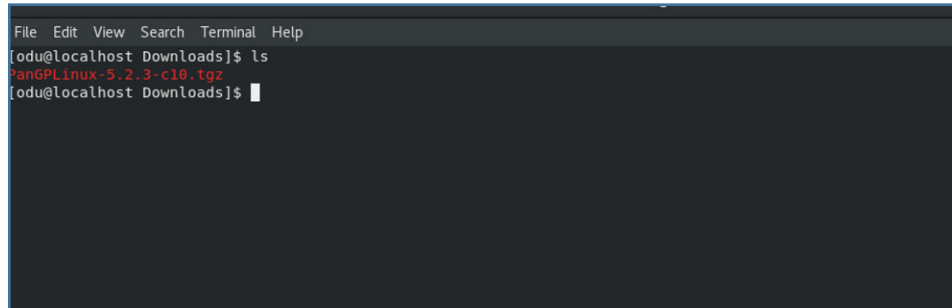## Installing GlobalProtect GUI

To use the GlobalProtect graphic user interface, you need RHEL/CentOS 7.
To install and use the command line interface, see .

1. Open a terminal and enter:

    ```
    sudo yum install epel-release
    sudo yum install qt5-qtwebkit
    ```
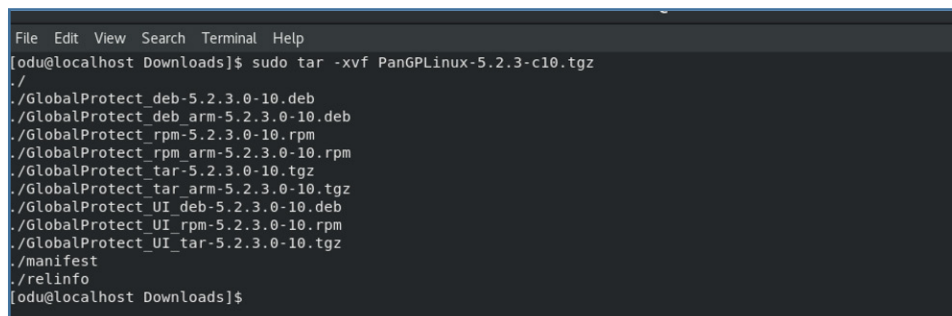
2. Download the client and go to your **Downloads** folder.

3. Run the following command:

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


4. Run the **ls** command to ensure that the "GlobalProtect_UI_<deb,rpm,tar>-5.2.5.0-10" files were put into a directory.

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

```
sudo yum install GlobalProtect_UI_rpm-5.2.5.0-10.rpm
```


When you are prompted to continue, press **Y** and **Enter**.

6. Once the installation completes, the GlobalProtect GUI will appear asking for a portal address.
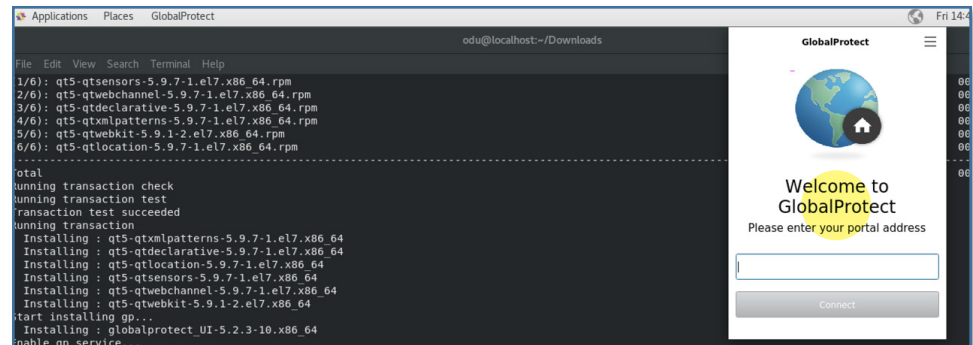
Connecting to the ODU VPN (GUI)

1. Within the GlobalProtect GUI, type in **vpn.odu.edu**. Then hit **Connect.**
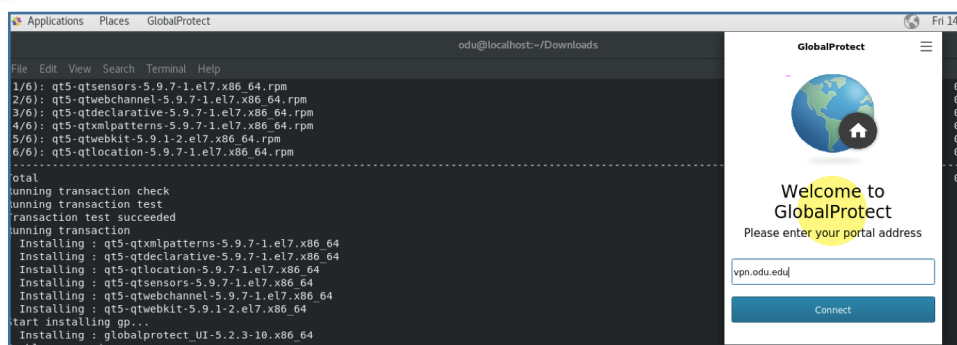
2. Once the connection is initiated, you will see a Monarch-Key login page. Enter your MIDAS ID and password, and authenticate with your second factor:
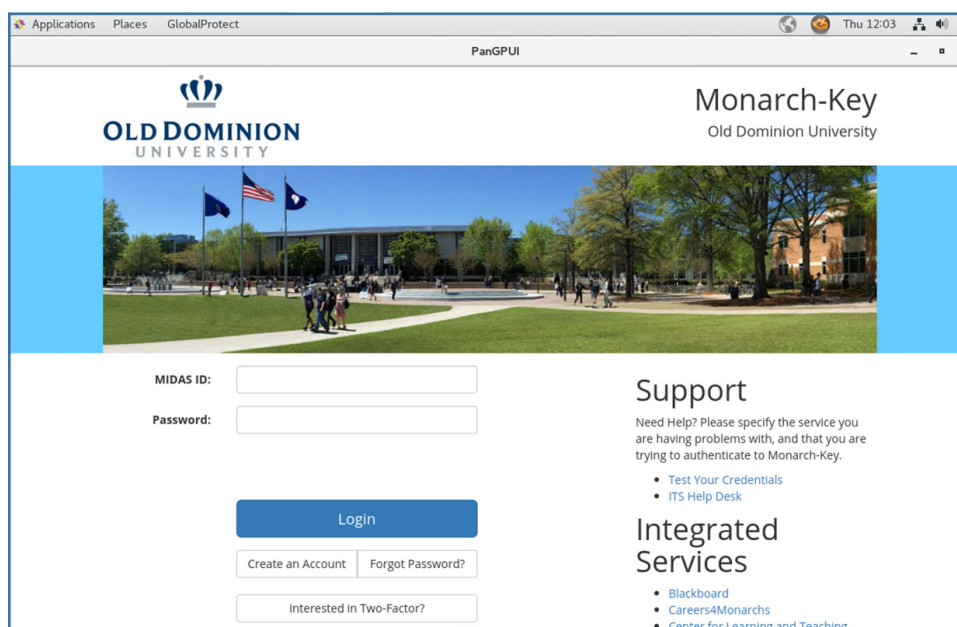
3. The GlobalProtect GUI will show that you have successfully connected to the ODU VPN.
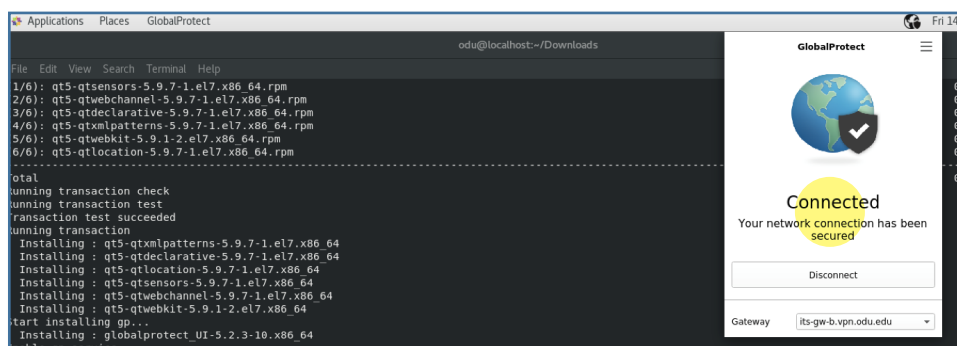
Disconnecting from the ODU VPN (GUI)

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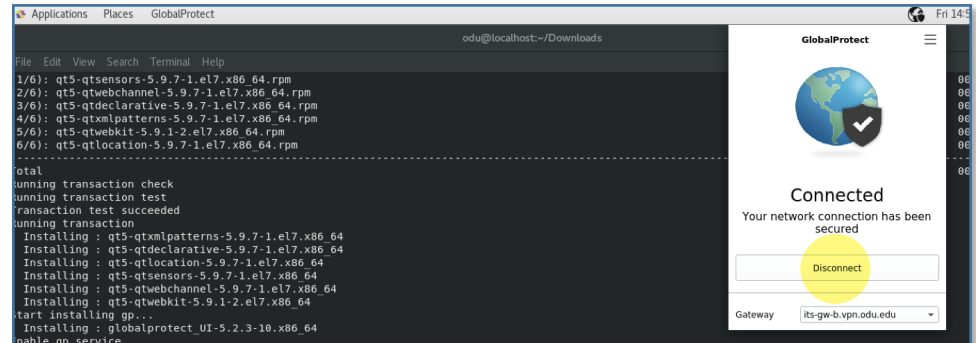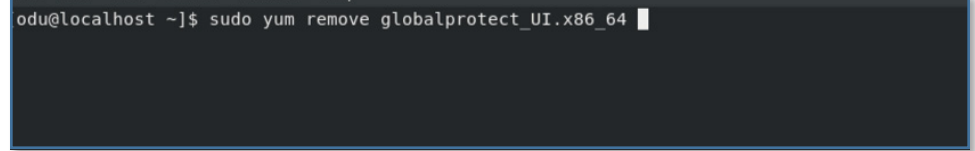
Removing the GlobalProtect agent

1. To uninstall the GlobalProtect client, open a terminal and type:
   ```
   sudo yum remove globalprotect_UI.x86_64
   ```
   Then hit **Enter**.

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@localhost Downloads]$ ls
PanGPLinux-5.2.3-c10.tgz
[odu@localhost Downloads]$
```

2. Run the following command:

    Sudo tar -xvf PanGPLinux-5.2.5-c10.tgz

```
[odu@localhost 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@localhost Downloads]$ 
```

3. Run the following command to install GlobalProtect:

```
sudo yum install GlobalProtect_rpm-5.2.5.0-10.rpm
```

```
[odu@localhost Downloads]$ sudo yum install GlobalProtect_rpm-5.2.3.0-10.rpm

We trust you have received the usual lecture from the local System
Administrator. It usually boils down to these three things:

    #1) Respect the privacy of others.
    #2) Think before you type.
    #3) With great power comes great responsibility.

[sudo] password for odu:
Sorry, try again.
[sudo] password for odu:
Loaded plugins: fastestmirror, langpacks
Examining GlobalProtect_rpm-5.2.3.0-10.rpm: globalprotect-5.2.3-10.x86_64
Marking GlobalProtect_rpm-5.2.3.0-10.rpm to be installed
Resolving Dependencies
--> Running transaction check
---> Package globalprotect.x86_64 0:5.2.3-10 will be installed
--> Finished Dependency Resolution
base/7/x86_64
base/7/x86_64/group_gz
base/7/x86_64/primary_db
extras/7/x86_64
extras/7/x86_64/primary_db
updates/7/x86_64
updates/7/x86_64/primary_db

Dependencies Resolved

================================================================================
 Package                          Arch              Version
================================================================================
Installing:
 globalprotect                    x86_64            5.2.3-10

Transaction Summary
================================================================================
Install  1 Package

Total size: 26 M
Installed size: 26 M
Is this ok [y/d/N]: y
```

4. Once installed, you can view the available commands via **globalprotect help**.

```
[odu@localhost 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

[odu@localhost Downloads]$
```

Connecting to the ODU VPN (CLI)

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

```
[odu@localhost Downloads]$ 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
ext code starts with: 2)  Passcode or option (1-2): :
Discovering network...
Connecting...
Connected
[odu@localhost Downloads]$ ▋
```

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

```
[odu@localhost Downloads]$ globalprotect show --status
GlobalProtect status: Connected
[odu@localhost Downloads]$ globalprotect show --details
Gateway Name: its-gw-b.vpn.odu.edu
Gateway Description: its-gw-b.vpn.odu.edu
Assigned IP Address: 10.250.0.221
Gateway IP Address: 128.82.254.56
Gateway Location:
Protocol: SSL
Uptime(sec): 223
[odu@localhost Downloads]$ ▋
```

Disconnecting from the ODU VPN (CLI)

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

```
[odu@localhost Downloads]$ globalprotect disconnect
Disconnecting...
Disconnected
GlobalProtect status: Disconnected
[odu@localhost Downloads]$ ▋
```