

Download and Install the GUI Version of GlobalProtect for Linux

If your Linux device supports a graphical user interface, complete these steps to install the GUI version of GlobalProtect for Linux.

STEP 1 | Download the GlobalProtect app for Linux.

<https://webcse.cse.usf.edu/c4lab/PanGPLinux-5.1.1.tgz>

Extract the content of the package using the following command in the directory where the package was downloaded to

```
tar -xvf PanGPLinux-5.1.1.tgz
```

You will see multiple installation packages for supported operating system versions—DEB for Debian and Ubuntu and RPM for CentOS and Red Hat. The package for the GUI version is denoted by a GlobalProtect_UI prefix.

STEP 2 | Install the GUI version of the GlobalProtect app for Linux.

Install the app using root privileges and use an installation method that will automatically add any missing packages that are required by the GlobalProtect app.

For Debian and Ubuntu, use the `sudo apt-get install <gp-app-pkg>` command.

For CentOS and Red Hat, use the `sudo yum install <gp-app-pkg>` command.

STEP 4 | Use the GUI version of the GlobalProtect App for Linux.

After installation completes, the GlobalProtect app automatically launches. Specify your portal address and enter your credentials when prompted to begin the connection process.

Portal Address: **vpn.usf.edu**

Credentials: Your **USFID** and **password**

Download and Install the CLI Version of GlobalProtect for Linux

If your Linux device does not support a GUI, install the GlobalProtect app for Linux by completing these steps. The GlobalProtect app for Linux supports the DEB, RPM, and TAR installation packages.

If you already downloaded the PanGPLinux-5.1.1.tgz package skip step 1 below

STEP 1 | Download the GlobalProtect app for Linux.

1. Obtain the app package from your IT administrator and then copy the TGZ file to the Linux endpoint.

For example, if you downloaded the package to a Mac endpoint, you can open a terminal and then copy the file:

<https://webcse.cse.usf.edu/c4lab/PanGPLinux-5.1.1.tgz>

Extract the content of the package using the following command in the directory where the package was downloaded to

```
tar -xvf PanGPLinux-5.1.1.tgz
```

You will see multiple installation packages for supported operating system versions—DEB for Debian and Ubuntu and RPM for CentOS and Red Hat. The package for the GUI version is denoted by a GlobalProtect_UI prefix.

STEP 2 | Install the app package.

There are two app packages available for GlobalProtect:

- CLI version (for example GlobalProtect_deb-5.1.0.0-19.deb)—Use either the `sudo dpkg -i <gp-app-pkg>` or `sudo apt-get install <gp-app-pkg>`
- UI version (for example GlobalProtect_UI_deb-5.1.0.0-19.deb)—Install using the `sudo apt-get install <gp-app-pkg>` command.

where `<gp-app-pkg>` is the path of either the CLI or UI distribution package for your Linux version.

```
user@linuxhost:~$  
sudo dpkg -i GlobalProtect_deb-5.1.0.0-19.deb  
Selecting previously unselected package GlobalProtect.  
  
(Reading database ... 67776 files and directories currently  
installed.)  
Preparing to unpack GlobalProtect_deb-5.1.0.0-19.deb ...  
Start installing gp...  
Unpacking GlobalProtect (5.1.0-19) ...  
Setting up GlobalProtect (5.1.0-19) ...  
Enable gp service...  
Starting gp service...  
Create symlink for gp cli...
```

```

user@linuxhost:~$ sudo apt-get install GlobalProtect_deb-5.1.0.0-23.deb
[sudo] password for gpqa:
Reading package lists... Done
Building dependency tree
Reading state information... Done
Note, selecting 'globalprotect' instead of '/home/gpqa/Downloads/
GlobalProtect_deb-5.1.0.0-24.deb'
The following packages were automatically installed and are no longer
required:
  linux-headers-5.10.0-28 linux-headers-5.10.0-28-generic linux-
image-5.10.0-28-generic linux-image-extra-5.10.0-28-generic
Use 'sudo apt autoremove' to remove them.
The following NEW packages will be installed:
  globalprotect
0 upgraded, 1 newly installed, 0 to remove and 73 not upgraded.
After this operation, 0 B of additional disk space will be used.
Get:1 /home/gpqa/Downloads/GlobalProtect_deb-5.1.0.0-24.deb
globalprotect all 5.1.0-24 [1,334 kB]
E: read, still have 59 to read but none left
E: Error reading archive member header
E: Prior errors apply to /home/gpqa/Downloads/
GlobalProtect_deb-5.1.0.0-24.deb
debconf: apt-extracttemplates failed: No such file or directory
Selecting previously unselected package globalprotect.
(Reading database ... 247210 files and directories currently
installed.)
Preparing to unpack .../GlobalProtect_deb-5.1.0.0-24.deb ...
Start installing gp...
Unpacking globalprotect (5.1.0-24) ...
Setting up globalprotect (5.1.0-24) ...
Enable gp service...
Starting gp service...
Create symlink for gp cli...

```

You can run commands in either command-line or prompt mode. Command-line mode requires you to specify the full GlobalProtect command. Prompt mode requires you to specify only the command (without the app name) and displays more detailed output than command-line mode.

1. To switch to prompt mode, enter **globalprotect** without any arguments.

```

user@linuxhost:~$ globalprotect
>>

```

2. To exit prompt mode, enter **quit**.

```

>> quit
user@linuxhost:~$

```

STEP 4 | View the help for GlobalProtect app for Linux.

Prompt mode:

```
>>
help
Usage: only the following commands are supported:
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
```

Command-line mode:

```
user@linuxhost:~$
globalprotect help
Usage: only the following commands are supported:
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
```

STEP 5 | • Connect to a GlobalProtect portal:

Using the command-line interface (CLI) of the GlobalProtect™ app for Linux, you can perform tasks that are common to the GlobalProtect app. The following examples display the output in command-line mode. To run the same command in prompt-mode, enter it without the **globalprotect** prefix (for more information, see [Download and Install the GlobalProtect App for Linux](#)).

- Connect to a GlobalProtect portal:

Use the **globalprotect connect --portal <gp-portal>** command where **<gp-portal>** is the IP address or FQDN of your GlobalProtect portal.

For example:

```
user@linuxhost:~$ globalprotect connect --portal myportal.example.com
Retrieving configuration...
Disconnected
myportal.example.com - portal:local:Enter login credentials
username:user1
Password:
Retrieving configuration...
Discovering network...
Connecting...
Connected
```

Use Portal Address: **vpn.usf.edu**

Credentials: Your **USFID** and **password**