

How To: Install LBL-VPN Client Software on Linux (32-bit, 64-bit biarch)

The latest VPN client software is available in the Cisco VPN section on <https://software.lbl.gov/> (LDAP username and password required to login and download software).

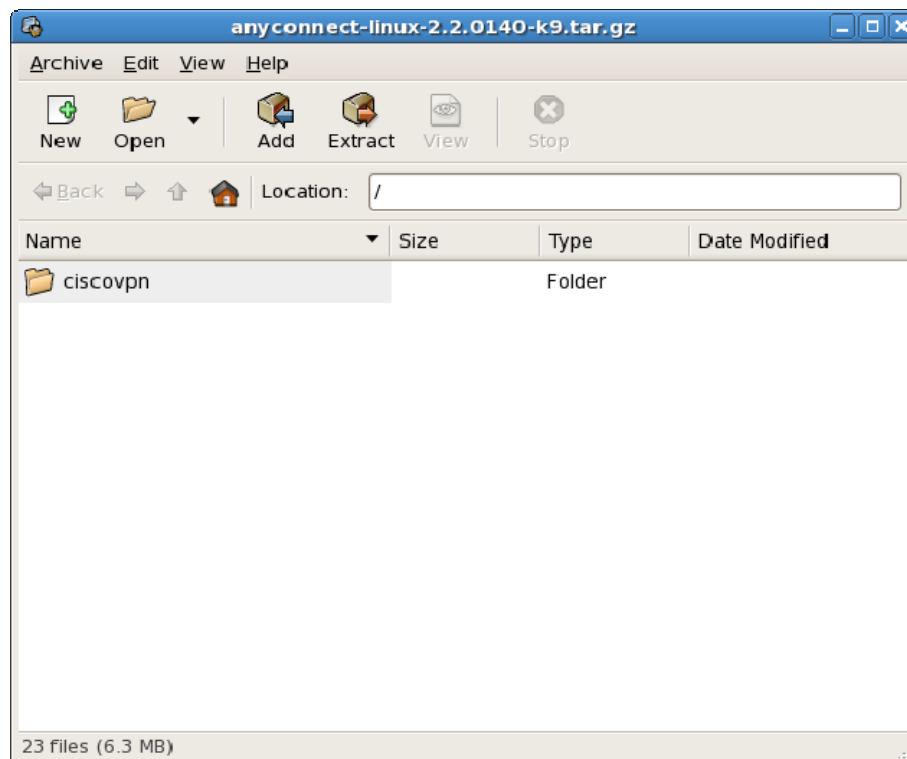
The following instructions are based on installing the Cisco AnyConnect VPN Client on CentOS 5.2 (kernel version 2.6.18) using Mozilla Firefox 5 to download the software. Logging in as root prior to installing the VPN Client software simplifies the procedure.

Install the Cisco VPN AnyConnect Client Software

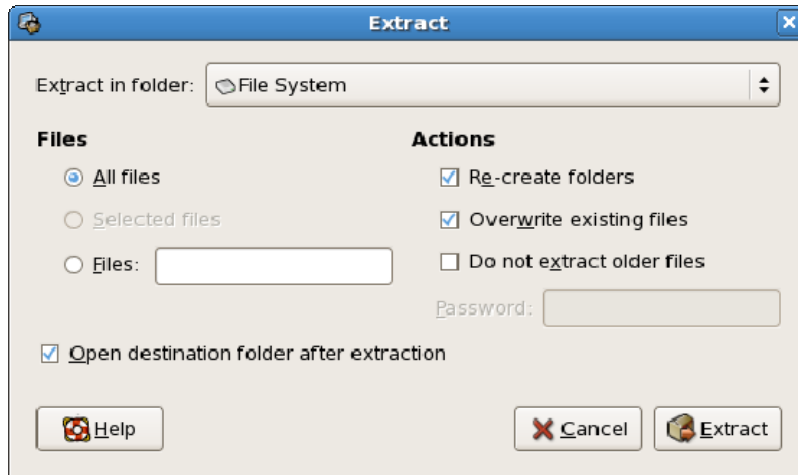
1. Browse to the VPN section of <https://software.lbl.gov/> and download the latest **Cisco VPN AnyConnect** client for Linux. The VPN client package is provided as a .tar.gz file.



2. Double-click on the downloaded file. Select the **ciscovpn** directory from the list, and click the Extract button.



3. An Extract window appears. Select 'File System' from the 'Extract in Folder:' drop down list. Now click this window's Extract button.



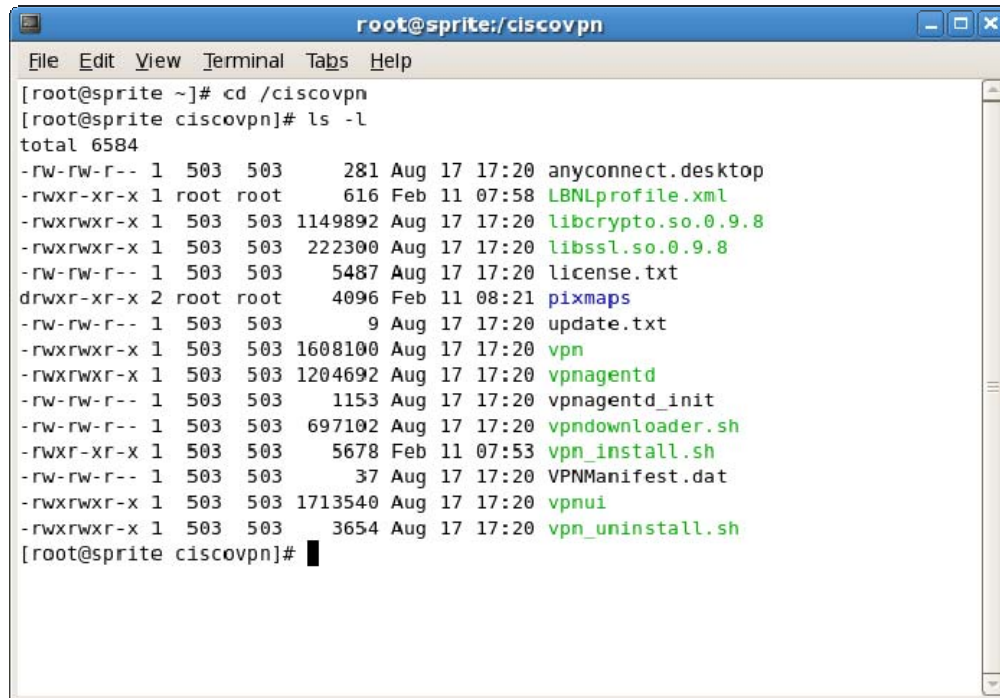
4. Open a terminal window. The Cisco AnyConnect software installation will be completed from the command line interface.

- Move to the newly created directory.

```
[root@linuxhost]# cd /ciscovpn
```

- View the newly installed files.

```
[root@linuxhost]# ls -l
```



```
root@sprite:/ciscovpn
File Edit View Terminal Tabs Help
[root@sprite ~]# cd /ciscovpn
[root@sprite ciscovpn]# ls -l
total 6584
-rw-rw-r-- 1 503 503 281 Aug 17 17:20 anyconnect.desktop
-rwxr-xr-x 1 root root 616 Feb 11 07:58 LBNLprofile.xml
-rwxrwxr-x 1 503 503 1149892 Aug 17 17:20 libcrypto.so.0.9.8
-rwxrwxr-x 1 503 503 222300 Aug 17 17:20 libssl.so.0.9.8
-rw-rw-r-- 1 503 503 5487 Aug 17 17:20 license.txt
drwxr-xr-x 2 root root 4096 Feb 11 08:21 pixmaps
-rw-rw-r-- 1 503 503 9 Aug 17 17:20 update.txt
-rwxrwxr-x 1 503 503 1608100 Aug 17 17:20 vpn
-rwxrwxr-x 1 503 503 1204692 Aug 17 17:20 vpnagentd
-rw-rw-r-- 1 503 503 1153 Aug 17 17:20 vpnagentd_init
-rw-rw-r-- 1 503 503 697102 Aug 17 17:20 vpndownloader.sh
-rwxr-xr-x 1 503 503 5678 Feb 11 07:53 vpn_install.sh
-rw-rw-r-- 1 503 503 37 Aug 17 17:20 VPNManifest.dat
-rwxrwxr-x 1 503 503 1713540 Aug 17 17:20 vpnui
-rwxrwxr-x 1 503 503 3654 Aug 17 17:20 vpn_uninstall.sh
[root@sprite ciscovpn]#
```

- Execute the installation script.

```
[root@linuxhost]# ./vpn_install.sh
```

5. Read the output carefully. Minor errors may occur, but you will know whether the installation was successful.

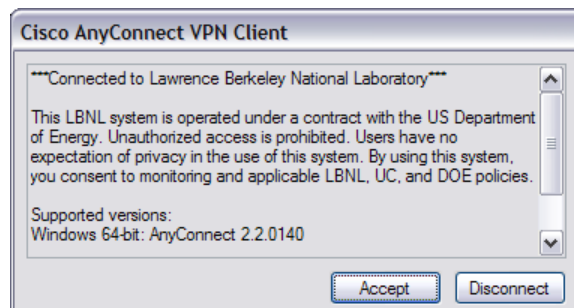
Test the Newly Installed VPN Client Software

6. After the AnyConnect client is installed, start the client from your desktop environment. Linux operating environments vary, but the AnyConnect software should be available to you through whatever desktop environment you are running. For CentOS 5.2, navigate to: Applications menu -> Internet -> Cisco AnyConnect VPN Client.
 - Alternatively, you can start the AnyConnect GUI manually using the following command.
 - [root@linuxhost]# /opt/cisco/vpn/bin/vpnui
 - The console from which you started VPN will not return to a prompt, so you can minimize it. Please do not `ctl-c` to quit the software as this does not close VPN connections gracefully. Use the AnyConnect GUI instead.

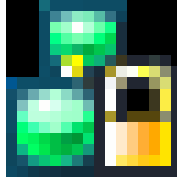
7. The main application screen will appear and prompt you for your LDAP username and password.
 - Enter your LDAP username and password, and click Connect.



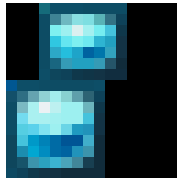
8. Click 'Accept' if you agree to the Terms of Use policy presented. If you disagree, click 'Disconnect'.



9. The main application window will disappear. But as long as the Cisco AnyConnect VPN Client is running, one of two icons will appear in your system tray. An icon with two green disks and a padlock indicates a VPN tunnel is established (connected). An icon with two blue disks indicates the VPN Client software is running, but no active VPN tunnels exist.



Cisco AnyConnect system tray icon - VPN tunnel established



Cisco AnyConnect system tray icon - application is running, but no VPN tunnels exist

Note: Right-clicking the system tray icon provides various menu options. Left clicking the system tray icon displays the main application window.

10. To terminate the VPN tunnel from the system tray, right-click on the system tray icon and select "Disconnect", or "Quit" to disconnect *and* quit the AnyConnect application.