Installing Pulse Secure client on Linux

This article covers how to install the Pulse Secure VPN client on various version of Linux.

Installing the Pulse Secure client on Linux:

1. Download the package installer to the Linux client:

   Please visit the Pulse Secure Client page on the software site to choose your download.

2. Then run the installer using the following command:

   For Debian-based Linux installation (such as Ubuntu):
   ```
   sudo dpkg -i <package name>
   ```
   For RPM-based Linux installation (such as CentOS):
   ```
   sudo rpm -ivh <package name>
   ```

   For example, if the Pulse Linux client is saved in /$HOME/downloads on Ubuntu, then the command would be:
   ```
   Sudo dpkg -i /$HOME/downloads/Pulse-linux-9.0r2.1-x64.rpm
   ```

3. The script will prompt the user to install any missing dependent packages if they are not already installed.

   For example:
   ```
   Please execute below commands to install missing dependent packages manually
   apt-get install lib32z1
   apt-get install libc6:i386
   apt-get install libwebkitgtk-1.0-0:i386
   apt-get install libproxy1:i386
   apt-get install libproxy1-plugin-gsettings:i386
   apt-get install libproxy1-plugin-webkit:i386
   apt-get install libdconf1:i386
   apt-get install dconf-gsettings-backend:i386
   OR
   You can install the missing dependency packages by running the below script
   /usr/local/pulse/PulseClient_x86_64.sh install_dependency_packages
   ```

Launching the Pulse Secure client

The GUI client can be launched from the list of Installed Applications.

1. Locate "Pulse Secure" in list of applications
2. Create a new connection to "vpn.uconn.edu"
3. Click "Connect" next to new entry
4. Enter UConn NetID and password to Authenticate

To launch the client via CLI, the following steps can be used:

1. Open a new terminal window
2. Enter the root shell
3. Use the following command to launch the VPN client, substituting NetID with your UConn NetID in lowercase:

```
root@:~#/usr/local/pulse/pulsesvc -h -u NetID -U https://vpn.uconn.edu
```

*Note: This command is case sensitive and will only work as entered here.

4. You will be prompted for a VPN Password. Enter your NetID password. It will not be displayed or saved.

5. After the VPN tunnel is created successfully, the terminal window will remain blank and must remain open. If the terminal window is closed, this will close the VPN connection.

6. You can check the status of the connection by opening a new terminal window and using the following method.

```
ifconfig
```

```
tun0 Link encap:UNSPEC  HWaddr 00-00-00-00-00-00-00-00-00-00-00-00-00-00-00-00 inet addr:137.99.170.78 P+P:137.99.170.78 Mask:255.255.254.0 UP POINTOPINPOINT RUNNING NOARP MULTICAST MTU:1400 Metric:1 RX packets:5 errors:0 dropped:0 overruns:0 frame:0 TX packets:5 errors:0 dropped:0 overruns:0 carrier:0 collisions:0 txqueuelen:500 RX bytes:560 (560.0 B) TX bytes:299 (299.0 B)
```

7. You can end your VPN session by closing the original terminal window or using ctrl+c to end the process.

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