Datapipe Two Factor Cert Based VPN

For Windows:

Please use either one of the enrollment procedures below to request a certificate. We will approve it when it arrives.

http://toolkit.Datapipe.net/security/VPN/cisco.pdf **(Recommended)**

http://toolkit.Datapipe.net/security/vpn/ie.pdf

The following links are for the VPN client download:

- Windows 2000/XP/Vista 32-bit/7 32-bit http://customers.datapipe.net/downloads/vpnclient-win-msi-5.0.07.0290-k9.exe
- Windows Vista 64-bit/Windows 7 64-bit http://customers.datapipe.net/downloads/vpnclient-winx64-msi-5.0.07.0290-k9.exe

For Mac OSX 10.4 and 10.5 - 32 bit:

Please refer to the below procedure to enroll for a certificate.

- http://toolkit.Datapipe.net/security/VPN/cisco.pdf

Here is the link for the VPN client download:

- http://customers.datapipe.net/downloads/vpnclient-darwin-4.9.01.0180-universal-k9.dmg

Please note that Cisco VPN Client release for Mac OS X supports only OS X 10.4 and 10.5 on both PPC and Intel processors. It does not support earlier and later releases. For details please refer to the release Notes for VPN Client for Mac OS X, Release 4.9:

- http://www.cisco.com/web/software/282364316/43859/4.9.1.0280-rel-notes.txt

For Mac OSX 10.6 & above - 64 bit:

Please refer to the below procedure to enroll for a certificate.

- http://toolkit.Datapipe.net/security/vpn/Mac-OSX-Cert-Enrollment-Procedure.pdf

For Linux:

Here are the steps to setup the Cisco client on Linux:

1. Download the cisco VPN client for Linux from the below link:
    - http://customers.datapipe.net/downloads/vpnclient-linux-x86_64-4.8.02.0030-k9.tar.gz
2. Download the cisco VPN client guide from cisco for reference:
    - http://www.cisco.com/en/US/products/sw/secursw/ps2308/products_user_guide_book09186a00801728a1.html
3. Refer to the cisco VPN client guide from step 2 to install the VPN client to your Linux box
4. Run the following commands (double click on the below code object to copy/paste) :

```
cd /etc/opt/cisco-VPNclient/Certificates
cisco_cert_mgr -U -op enroll -caurl
http://VPNca.datapipe.net/certsrv/mscep/mscep.dll -cn ANY_CERT_NAME -ou
TUNNEL_GROUP -o COMPANY -e YOUR_EMAIL
```

    - Note: The O and OU entries need to match your company's two factor access-list. The field YOUR_EMAIL designates your current email address and ANY_CERT_NAME designates the name of the cert.

5. Create your VPN profile using the following command:

```
vi /etc/opt/cisco-VPNclient/Profiles/myVPN.pcf
```

    - Note: Replace the **FIREWALL_IP** with the real firewall IP, and put in your **Cert Name**. Keep all the other fields unchanged.

    [main]
    Host=**FIREWALL_IP**
    AuthType=3
    CertStore=1
    CertName=**(Common Name of your certificate; to check, run: *cisco_cert_mgr -U -op view*)**
    CertPath=/etc/opt/cisco-VPNclient/Certificates
    CertSubjectName=
    CertSerialHash=
    UserPassword=
    enc_UserPassword=
    UseLegacyIKEPort=0

6. Initialize the VPN by running the following command:

```
/etc/init.d/VPNclient_init start
```

7. Establish the VPN connection with the following command:

    - Note: Replace "myVPN" below with the name of the profile you created in step 5

VPNclient connect myVPN

**** END****