Cisco VPN Client 4.x for Macintosh Installation Instructions

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System Requirements

The VPN Client for Mac OS X runs on any Power Macintosh or compatible computer with the Macintosh operating system Versions 10.1.5 or later and 30 MB of hard disk space.

Implementation Notes

DoN Security Policy requires that Public Key Infrastructure (PKI) keys be used for accessing the NUWC Network. Due to an error in the Cisco VPN Client keys downloaded at NUWC will not work. In order for NUWC keys to work, Macintosh Users will have to import their keys into Netscape 4.79 for Windows with the Personal Security Module and then Export the keys in order for them to work with the Cisco VPN Client. Code 54 has a machine for this purpose in Building 112. If you would like to take advantage of this offering, please contact Ask54 at 832-7554 to setup an appointment. Cisco expects to correct this problem in a future release of their software, which as of January 2004 is slated for release in September of 2004

Code 54 is not able to provide support home networks including hardware routers and hardware/software firewalls. If you are having problems with the connection to NUWC, we may have to ask you to disable your firewall, or to directly connect your PC to your cable or DSL modem for trouble shooting purposes.

If you are behind a hardware firewall that supports IPSEC pass thru, please enable this option. If your router does not support IPSEC Pass thru you need to open UDP Port 500, protocols 50 and 51 outbound for the Cisco VPN Client to work

Domain Name resolution for NPRI54RAS04 will resolve to different IP Addresses depending on the network that your computer is on. Computers external to the NUWCnet will resolve to 164.223.72.8. Computers Internal to the NUWCnet will resolve to 129.190.2.11.

DoN Security Policy requires that, " no other Wireless or other LAN connection exits for the duration of the session". This means that all of your traffic will pass through the IPSec tunnel while activated and will use the NUWC gateway to reach the Internet. You will not be able to connect to any other home network computers or network printers while your VPN session is connected. Local Printers will function correctly.

DoN security policy doesn't allow saved passwords. You must not choose remember password if that option is provided.

It is normal to experience some additional latency when using this VPN due to the required security measures such as IPSec tunnel, 3DES encryption, and PKI certificate authentication.

Installation Options

There are 2 options for installation of the software.

1. Saving File Name from the download link and opening it.
   HTTP://www.npt.nuwc.navy.mil/vpn/index.htm

2. Opening File Name from the CD provided by Ask54

Determine your method of installation and download the file if appropriate.

Pre-Installation

Remove any existing IPSEC Clients. The Cisco Installation will remove existing Cisco Installations. If you have any other IPSEC Clients installed, Please remove them before continuing.

Insure that you have PKI Keys available, which have been downloaded using Netscape 4.79 for Windows with Personal Security Manager

Installation

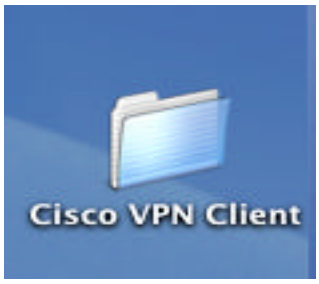
From the internet:

Download Installation File from: http://www.npt.nuwc.navy.mil/vpn/index.htm

This will unstuff the file and place a Cisco VPN Client folder on your desktop.

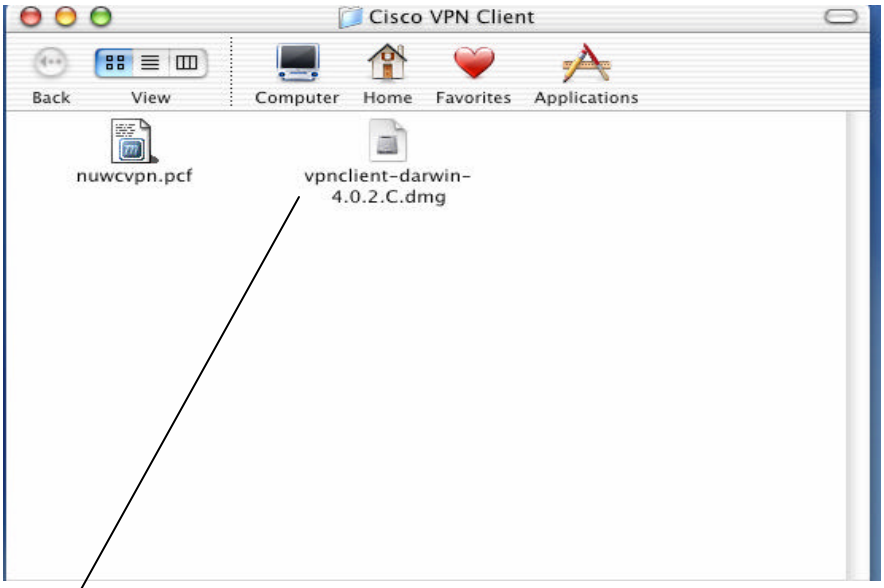
Note: If the file does not unstuff automatically it will place the VPN4xMacNUWC.sit file on the desktop. Double click this file to unstuff it to your desktop. Continue to: **Setup.**

From the CD:



Double Click the .sit file. A Cisco VPN Client Folder will be placed on your desktop. Double click the folder.

Setup:



Double click this file:

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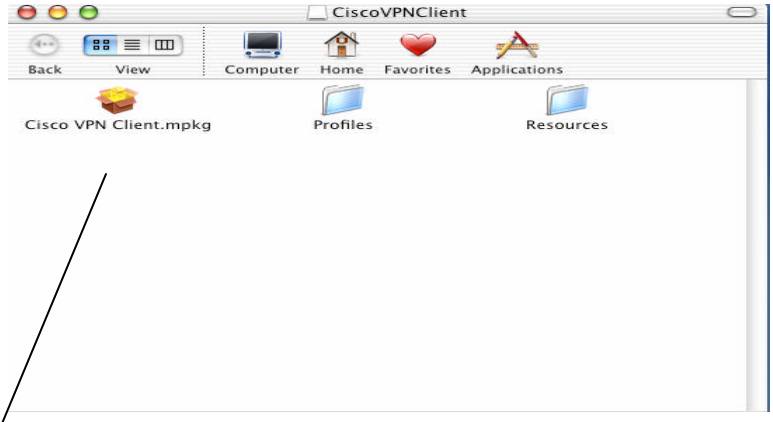
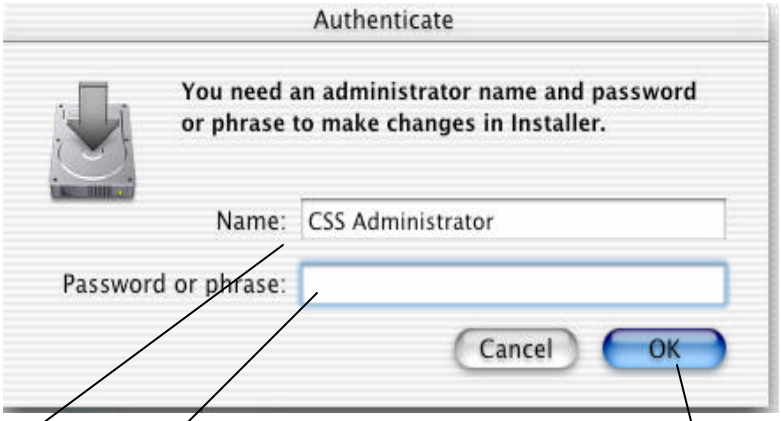


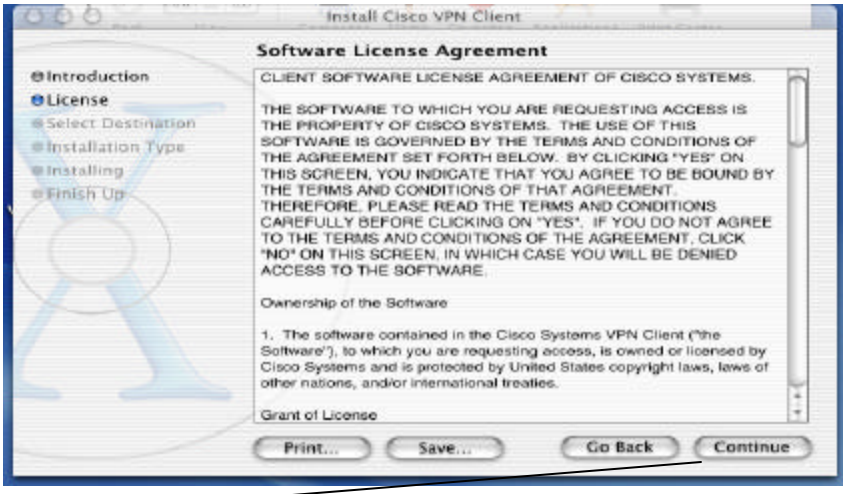
Double Click this file:

Click Lock to input Admin Password:



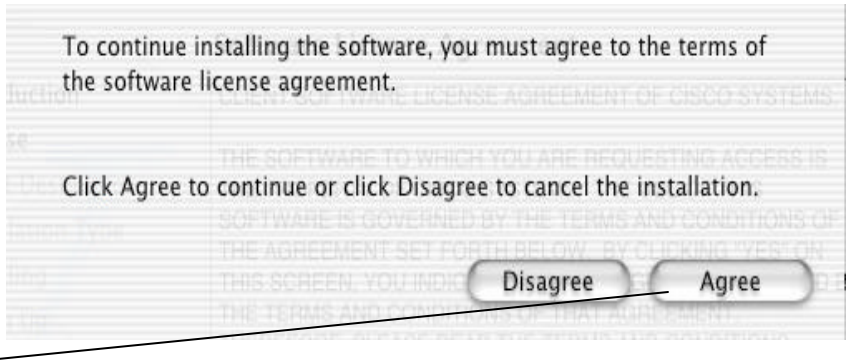
Type in the Admin name and password associated with your system. Select: OK

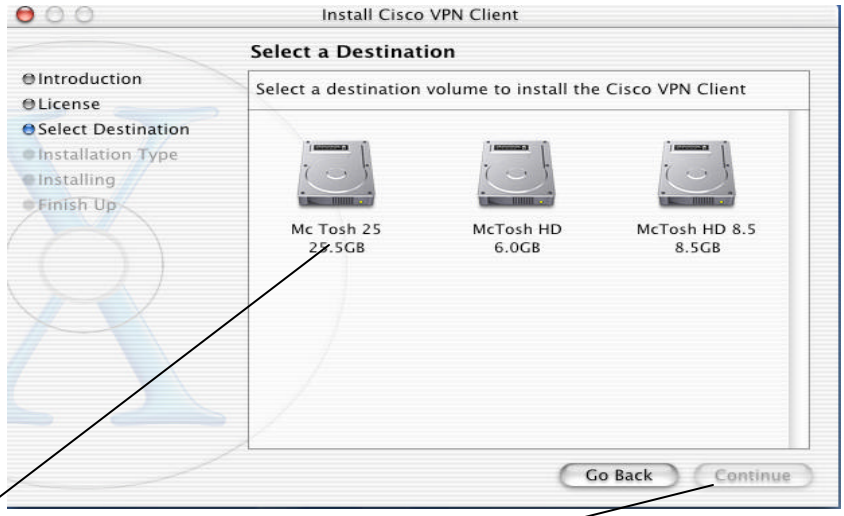
Select Continue:



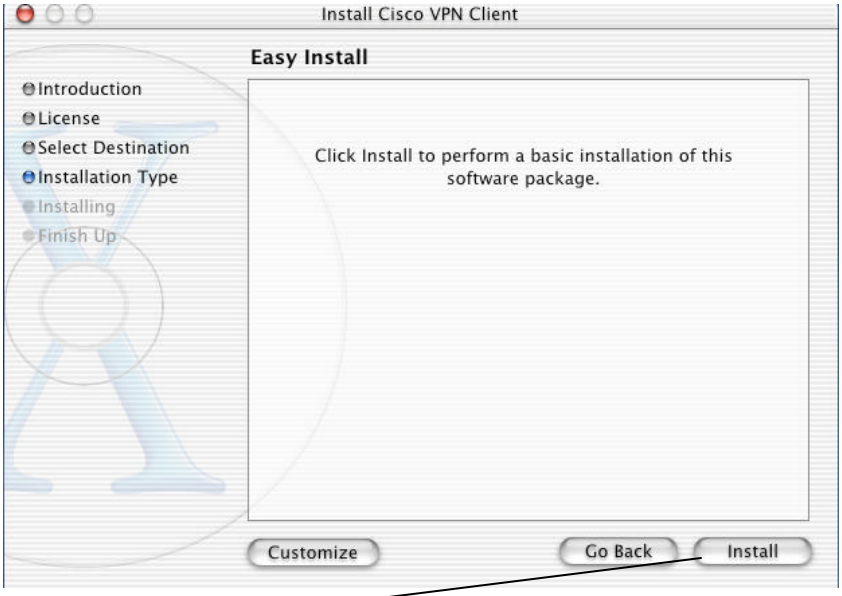
Select Continue:

Select: Agree

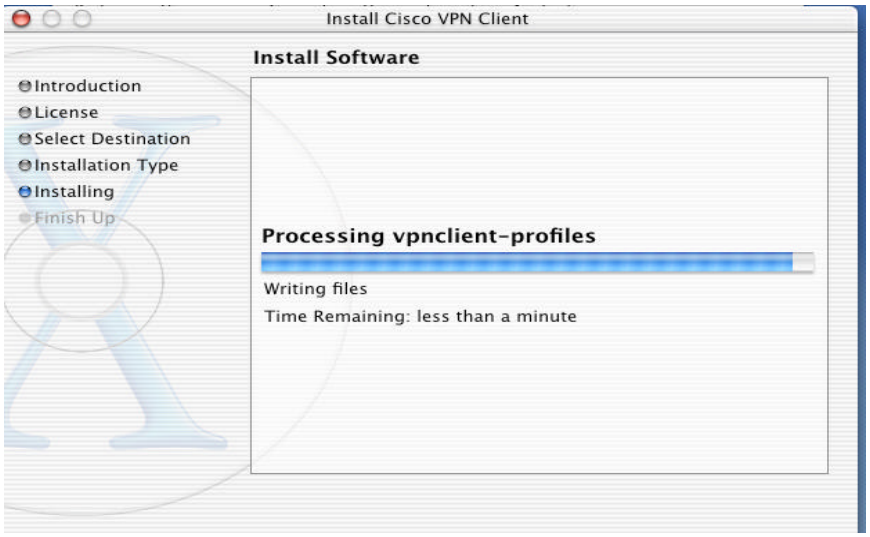


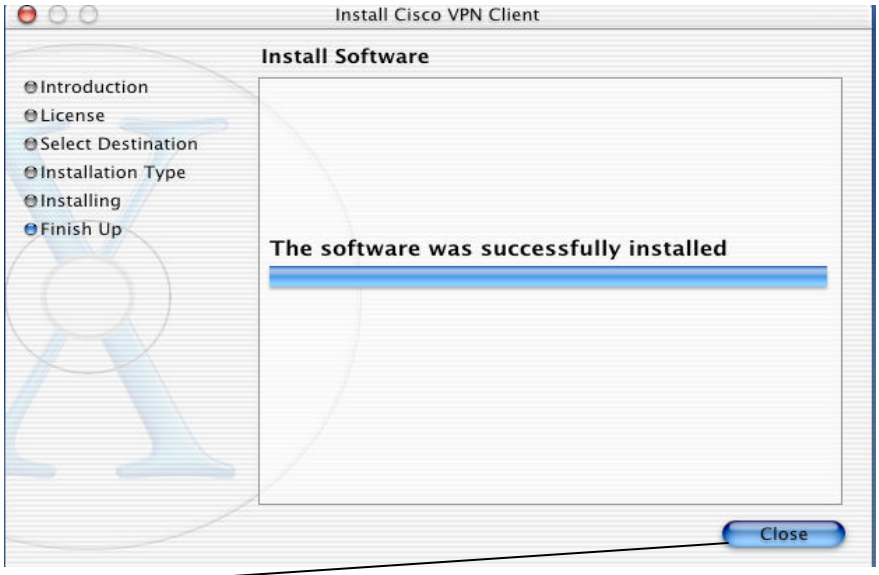


Select the drive you wish to install to, then select continue:
(the drive(s) you see will be specific to your configuration.)



Select: Install

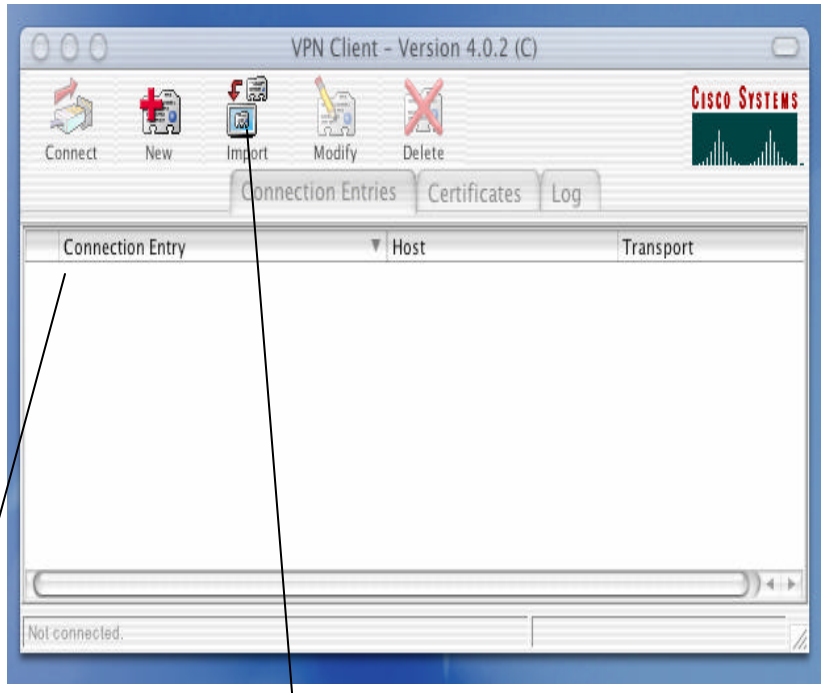




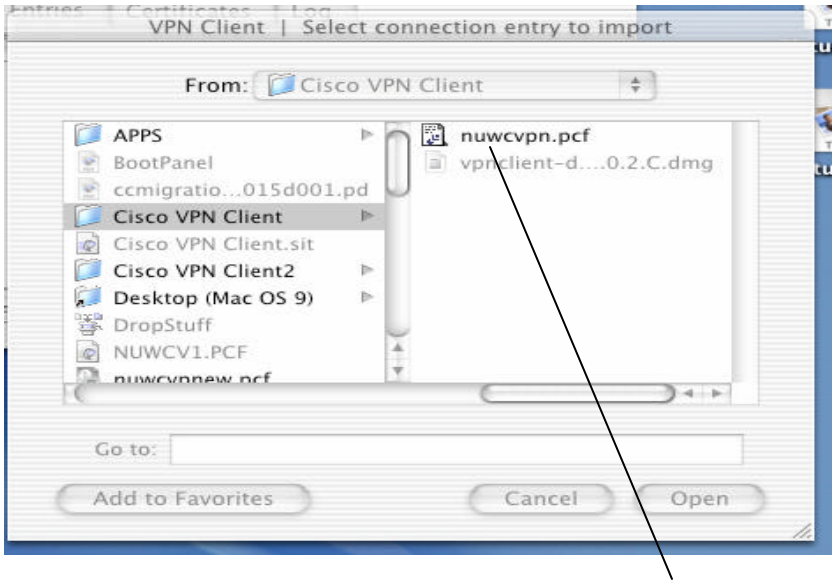
Select: Close

Client Configuration

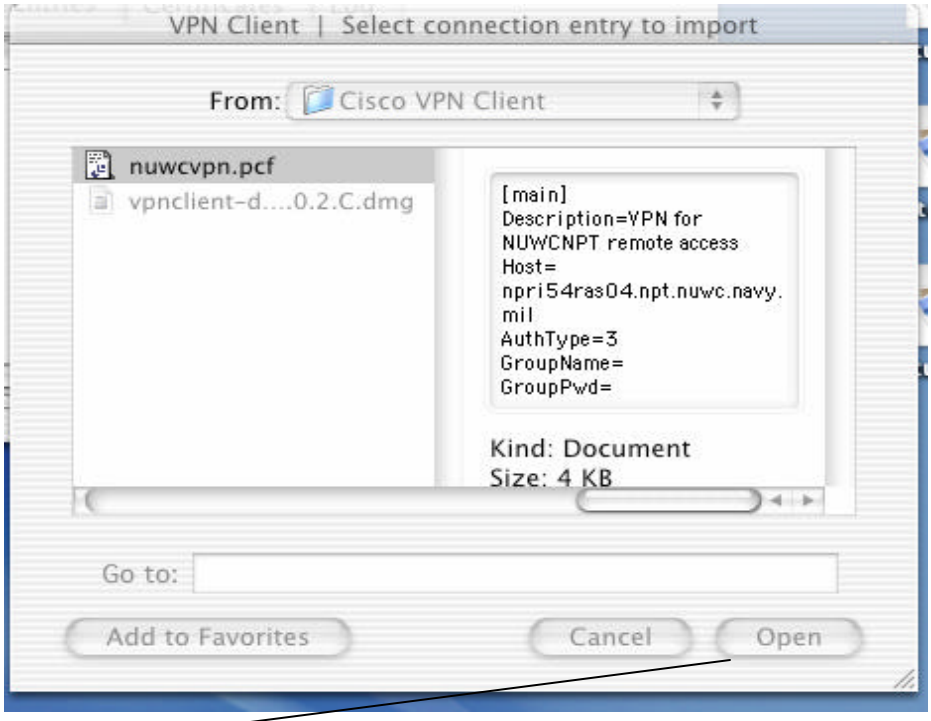
Go to the Application Folder of the drive you installed the VPN Client to and select VPN Client.



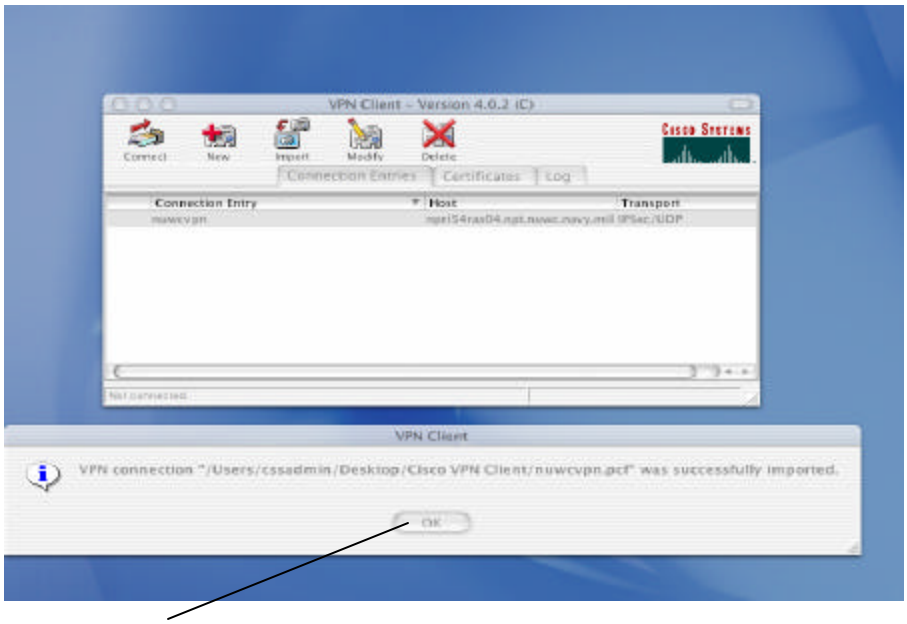
Select: Connection Entry, then select Import.



Browse to Cisco VPN Client Folder on the desktop and select nuwcvpn.pcf

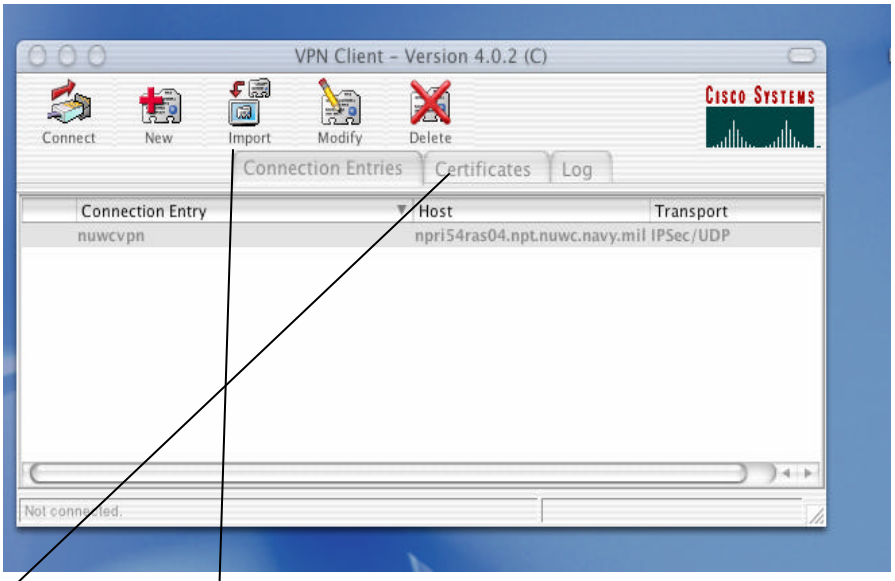


Select: Open

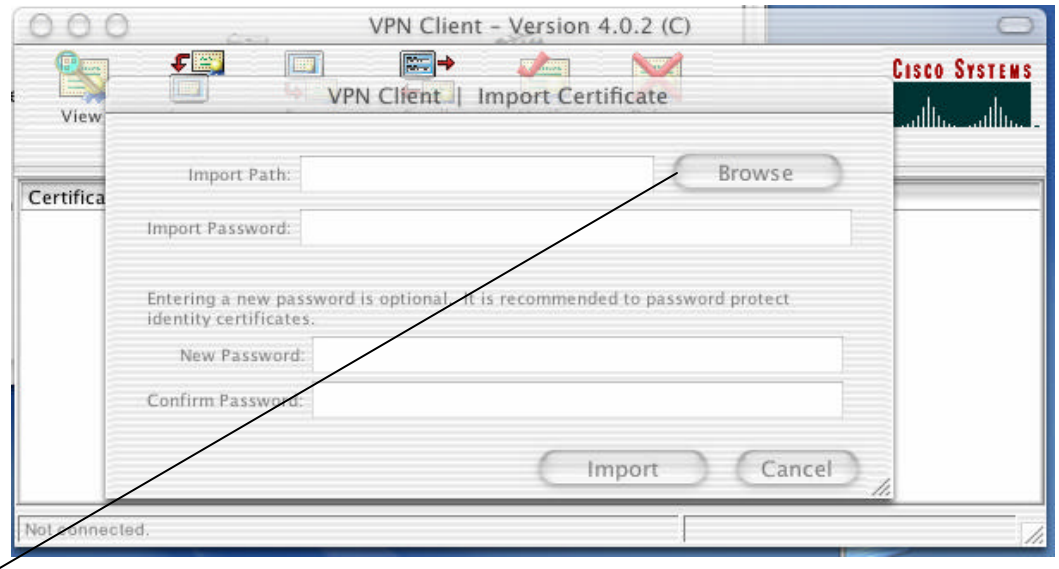


Successful Import Select: OK

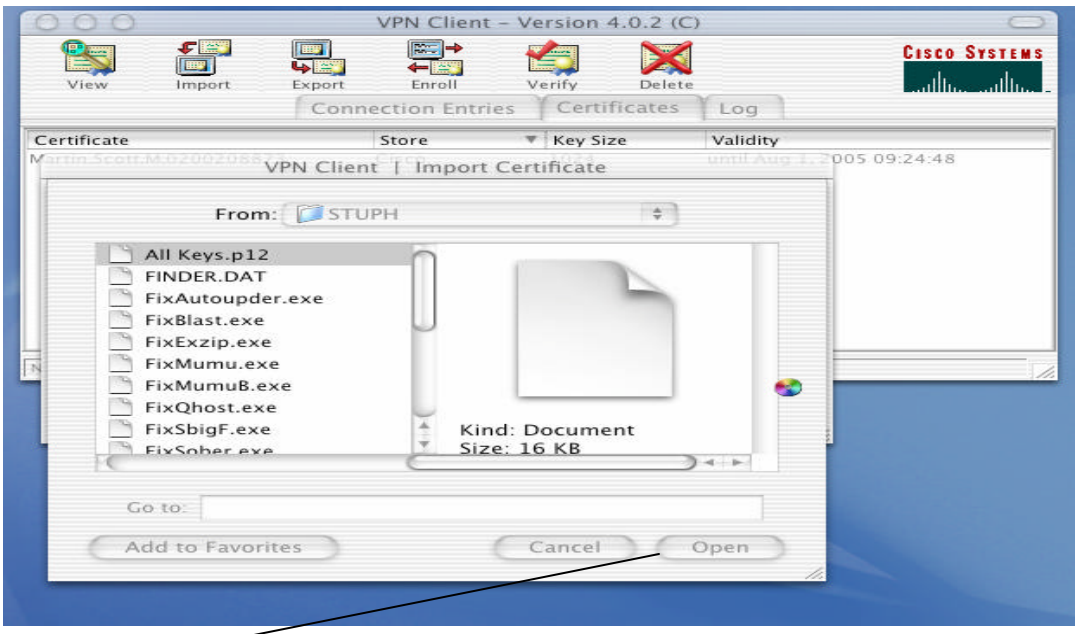
<u>Importing PKI Keys</u>:



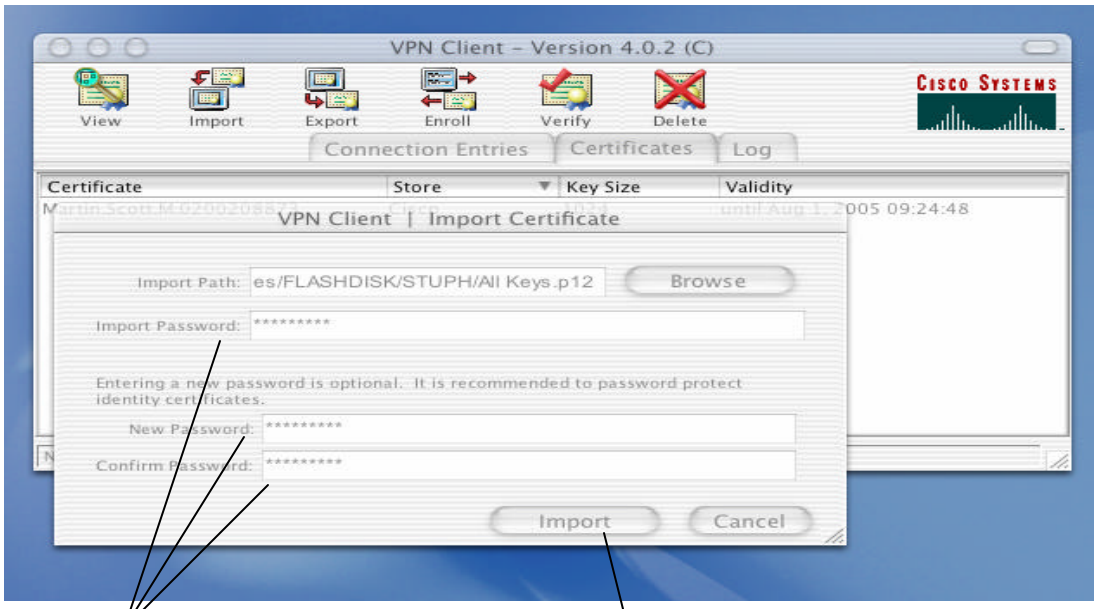
Select: Certificates then select Import



Browse to location of PKI keys file that has been exported from Netscape 4.79 for Windows with the Personal Security Module

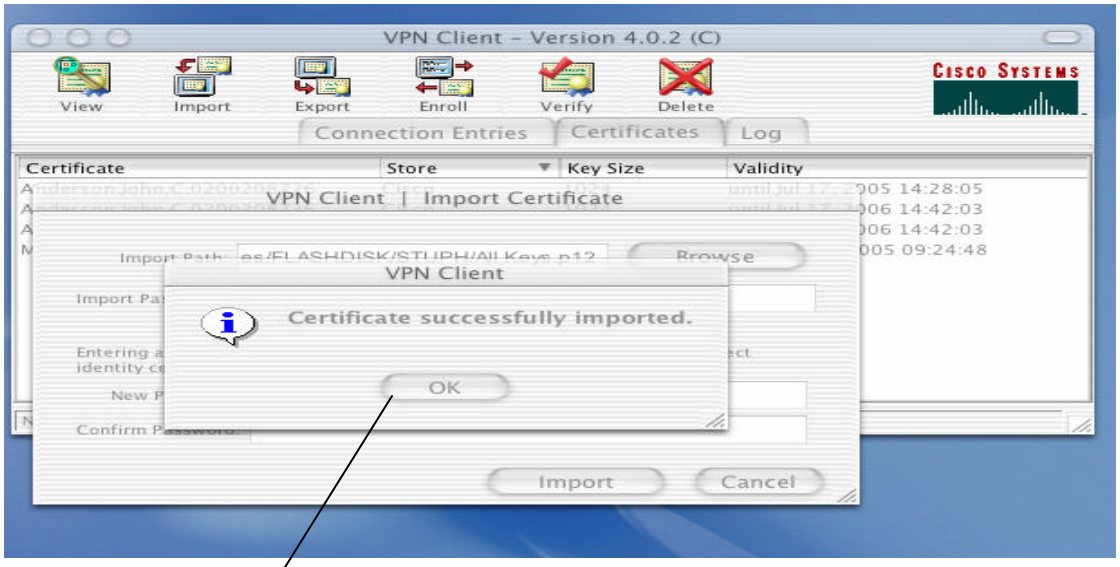


Select: Open

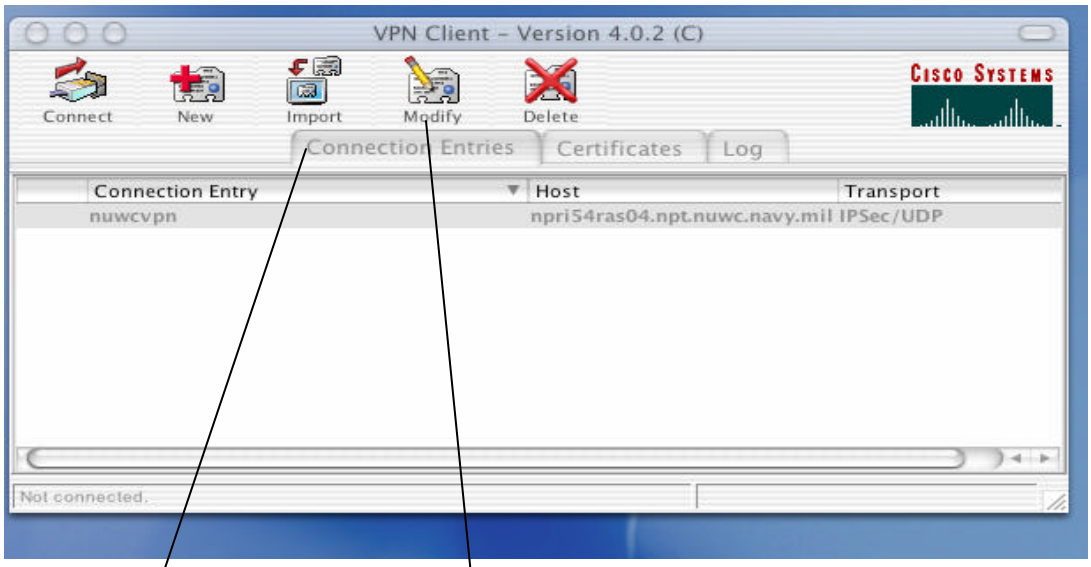


Type your PKI password in all three fields. Select: Import

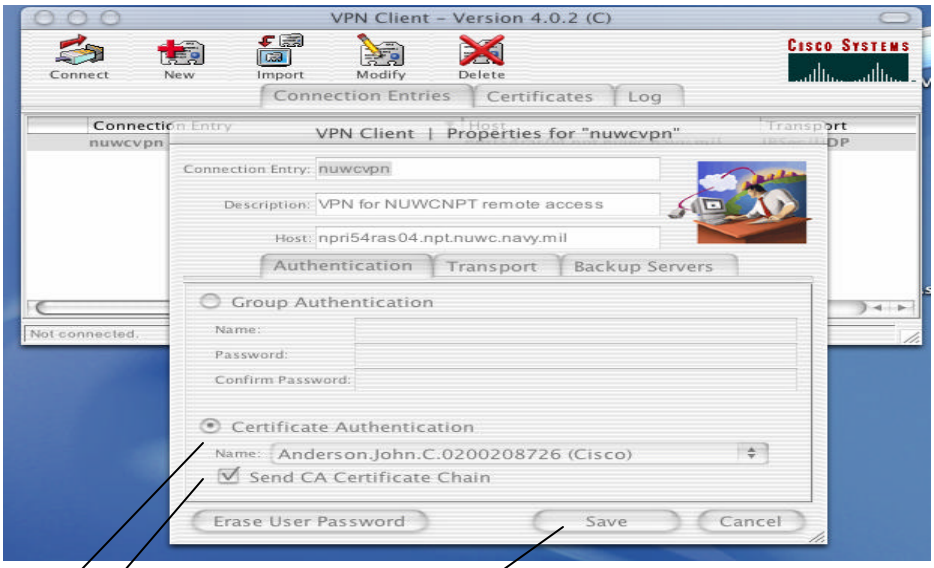
VERY IMPORTANT: The text in this window is misleading. It appears the two bottom fields are for a new password. This is not the case. If you do not put a password in the bottom fields your PKI password will become blank.



Successful Import. Select: OK

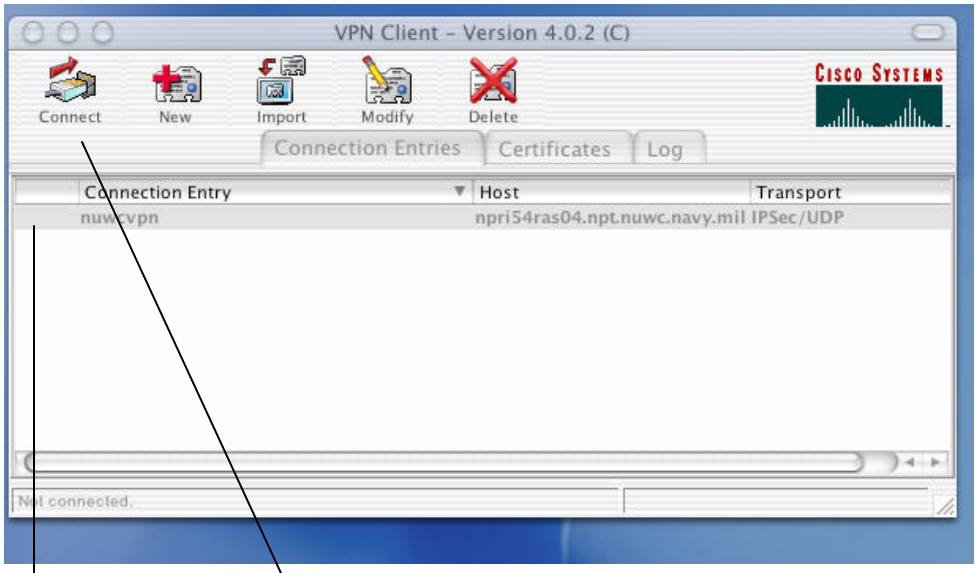


Click on the Connection Entries Tab and Select Modify.

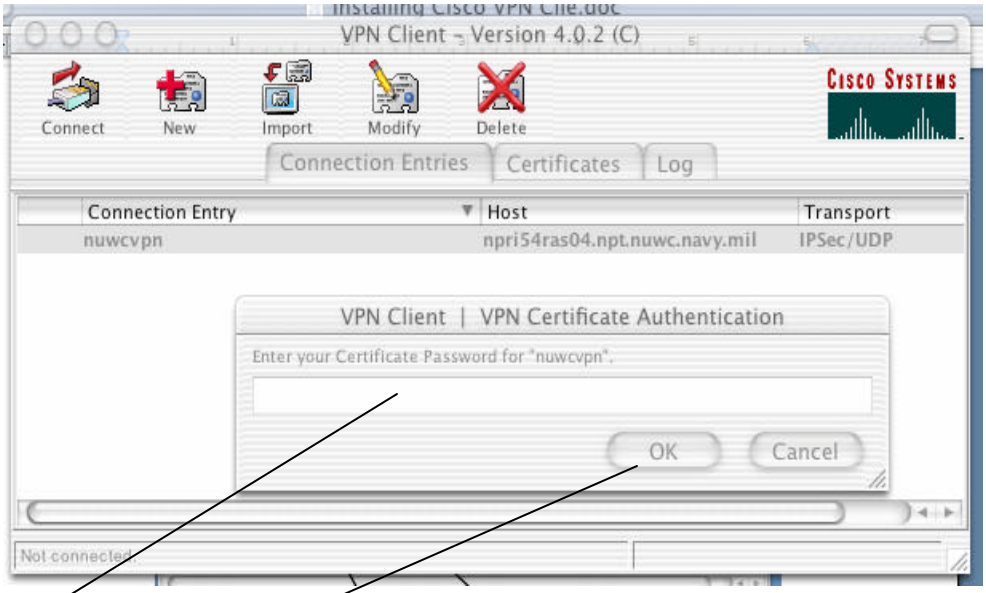


Make sure your Certificate is selected in Certificate Authorization Window and that the Send CA Certificate Chain is checked. Select: Save

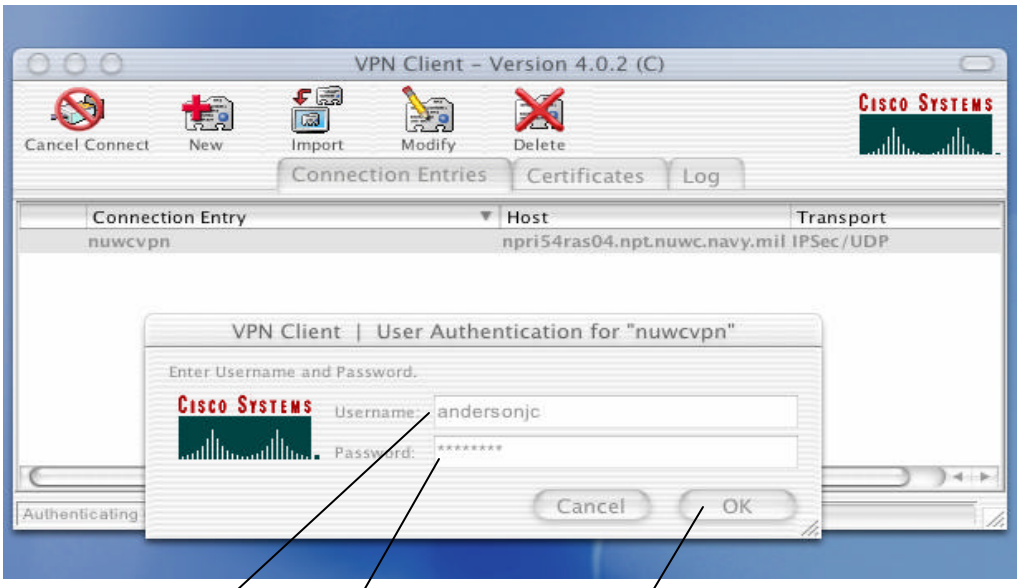
Testing The Connection:



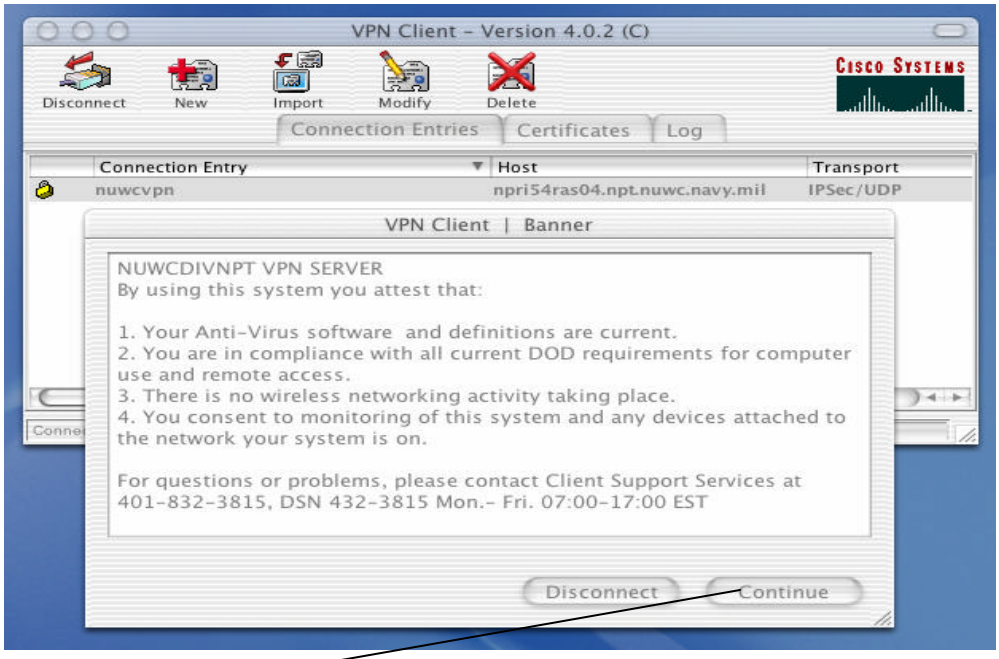
Select: nuwcvpn, then select: Connect



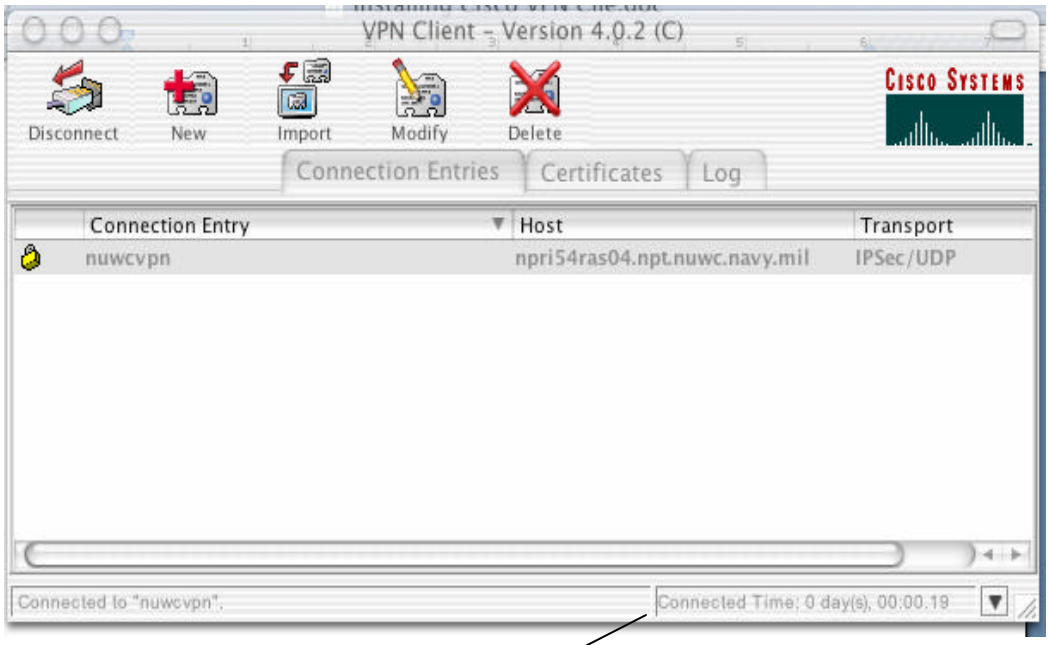
Type PKI Password Select: OK



Type in your **NUWC** user name and password then click OK

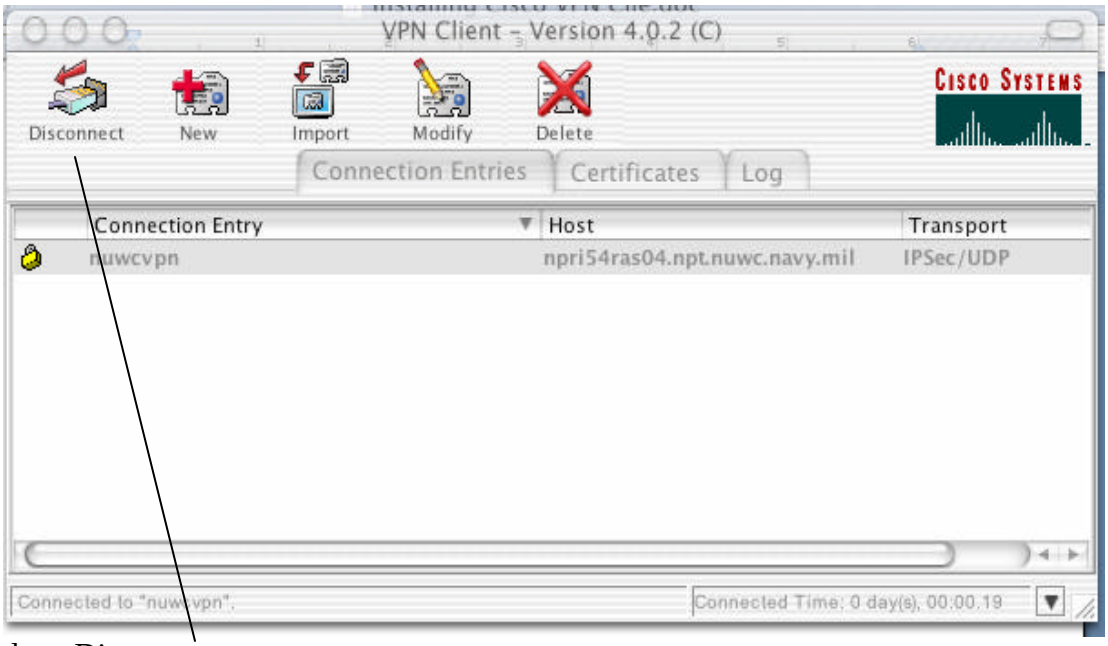


Select: Continue



You are now connected to the NUWC Network.

Disconnecting:



Select: Disconnect

Technical Support

You may obtain technical support by calling Ask54 at (401) 832-7554, DSN 432-7554 or e-mail us at: Ask54@npt.nuwc.navy.mil

Additional Documentation

The Cisco VPN Client 4.0 User Guide for Macintosh can be found at: http://www.npt.nuwc.navy.mil/vpn/index.htm