## Setting Up a VPN Connection to the Lab Using a Macintosh

(This needs to be done once on every system you use)

1. Click the Create a new service icon (+) button found in the lower left hand corner of the Network dialog box

••• • • •	Network	QSearch
Locati	on: Automatic	0
WI-FI Connected      Bluetooth PAN Not Connected      Linksys3GIGV1	Status: Connected Wi-Fi is conner address 172.16 Network Name: NSCC	Turn Wi-Fi Off cted to NSCC and has the IP \$17.162.
Dell USB3.0 Dock      Not Connected     ThundeIt Bridge	<ul> <li>Automatic</li> <li>Ask to joir</li> <li>Ask to joir</li> <li>Ask to joir</li> <li>Known netw no known ne to manually</li> </ul>	cally join this network n Personal Hotspots n new networks orks will be joined automatically. If etworks are available, you will have select a network.
+ - &-	☑ Show Wi-Fi status in menu bar	Advanced ?
Create a new service		Revert Apply

2. Select VPN from the Interface: pull down menu, select L2TP over IPSec from the VPN Type: pull down menu then click the Create button

Select the interface	and enter a name for the new service	э.
Interface:	VPN	\$
VPN Type:	L2TP over IPSec	\$
Service Name:	VPN (L2TP)	
	Cancel	ate

3. Type 205.133.116.62 in the Server Address: field, type yourusername into the Account Name: field then click the Authentication Settings... button

••• • • •	Network		Q Search
Location	n: Automatic	0	
• Wi-Fi Connected	Status: 1	Not Configured	
Bluetooth PAN     Not Connected			
Linksys3GIGV1     Not Connected	Configuration:	Default	<b>\$</b>
Dell USB3.0 Dock     Linksys US     Not Connected	B3GIGV1 ver Address: Account Name:	205.133.116.62 student	
ThundeIt Bridge     Not Connected			
VPN (L2TP)     Not Configured		Authentication Settin Connect	gs
+ - *	Show VPN status in	menu bar	Advanced ?
			Revert Apply

4. Enter your password in the Password: field, type Password01 into the Shared Secret: field then click the OK button

Password:	*******	
RSA Securi	D	
Certificate	Select	
Kerberos		
CryptoCard	l .	
CryptoCard achine Authent	tication: ret:	
CryptoCard achine Authent Shared Sec Certificate	tication: ret:	Select
CryptoCard achine Authent Shared Sec Certificate Group Na	itication: ret: ••••••	Select

5. Click the Apply button

## Connecting to the Lab Using a VPN in Macintosh

After the VPN connection has been configured you must establish the connection prior to using a Network lab system remotely. This connection needs to be established every time you wish to connect. Instructions to do this on an Apple Macintosh system follow:

1. Open the network preferences option by clicking on the Network icon located in the upper right hand corner of the screen and then selecting the Open Network Preferences... option



- 2. Select the VPN (LT2P) option then click the Connect button
  - (If you do not see the VPN (LT2P) connection listed you need to setup the VPN using the instructions in the <u>Setting Up a VPN Connection to the Lab Using a Macintosh</u> part of this document)

••• • • •	Network	Q Search
Location	n: Automatic	0
Wi-Fi Connected     Connected     Not Connected	Status: Not Connecto	ed
<ul> <li>Linksys3GIGV1 Not Connected</li> <li>Dell USB3.0 Dock Not Connected</li> <li>ThundeIt Bridge Not Connected</li> <li>VPN (L2TP) Not Connected</li> </ul>	Configuration: Default Server Address: 205.133.116 Account Name: student Authenticat Connect	3.62
+ - *	Show VPN status in menu bar	Advanced ?
		Revert Apply

3. Open a terminal window on the system and type in the command **sudo route add** 205.133.116.0/26 10.105.255.1



- 4. When you have finished doing your lab work disconnect the VPN by returning to Network Preferences, selecting VPN (L2TP) then clicking the Disconnect button
  - (If you do not do this your Internet speed may be affected if your outgoing traffic is routed through the lab at the college)

	Network	Q Search
Low Wi-Fi Connected VPN (L2TP) Connected Bluetooth PAN Not Connected Linksys3GIGV1 Not Connected Dell USB3.0 Dock Not Connected	Network ation: Automatic Status: Conne Connect Time: 00:00:1 IP Address: 10.105 Configuration: Defau Server Address: 205.1 Account Name: studer	Q Search
ThundeIt Bridge	Auth Disc Show VPN status in menu	bar Advanced ? Revert Apply