# Mac OS X L2TP VPN Client Setup.

Here is an instruction how to connect to Amrita VPN by using L2TP/IPsec VPN Client which is built-in to Mac OS X.

On this instruction, every screen-shots are taken on Mac OS X Mountain Lion. Other versions of Mac OS X are similar, however there might be minor different on UIs.

### **1.** Initial configurations (to be done only once in the first time)

1. Click the network icon on the top-right side on the Mac screen. Click "Open Network Preferences..." in the menu.

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	Wi-Fi: On Turn Wi-Fi Off	-	. [.
- 1 Mig 191	✓ SE_ILC201_AirMacExpress		and i
	Global-Leader	A 🛜 👦	sh HD
a81	SE_ILC201_DLink	9	
1000	SE_NAT_for_Debug	₽ 🔶	
	SE_VPNTEST_BUFFALO	ê 🔶 🛔	
10	SE_VPNTEST_Pci		
10 10 10 10	SE_VPNTEST_Pci2		
1.1.1	SE_WEP_Academic_A		
and the	SE_WEP_Academic_G	9	
	WARPSTAR-97CA75-W		2 22.03
-	Join Other Network	140	
	Create Network		
-	Open Network Preferences		- 194
1000		N 9-19	

2. Click the "+" button on the network configuration screen.

	Location: Automatic		•
Wi-Fi	Status	Connected	Turn Wi-Fi Off
Not Connected		Wi-Fi is connected to SE_ILC201_AirMacExp address 192.168.2.4	press and has the IP 7.
Bluetooth PAN	Network Name	SE_ILC201_AirMa	cExpress ‡
		🗹 Ask to join new	networks
		Known networks wil If no known network be asked before join	I be joined automatically. cs are available, you will ing a new network.
	Show Wi-Fi statu	s in menu bar	Advanced ] (7

3. Select "VPN" as "Interface", "L2TP over IPsec" as "VPN Type" and click the "Create" button.

WILFE	Interface: VPN	•
Connected	VPN Type: L2TP over IPSec	÷ /i–Fi Off
Thundtherr Not Connected	Service Name: VPN (L2TP)	is the IP
Bluetooth PAI No IP Address	)	Cancel Create \$
	<b>~</b> 7	Ask to join new networks
	K H b	(nown networks will be joined automatically. f no known networks are available, you will are asked before joining a new network.

4. A new L2TP VPN configuration will be created, and the configuration screen will appear.

Automatic Status: Configuration: Server Address: Account Name	Not Configured Default
Status: Configuration: Server Address: Account Name	Not Configured
Configuration: Server Address: Account Name	Default ÷
Server Address:	gatea2t.openge.net
The second second second second	vpn
	Authentication Settings
Show VPN status i	n menu bar Advanced ?
	Show VPN status i

5. On this screen, you have to specify the following :

#### Server Address : vpn2.cb.amrita.edu

#### Account Name : <Your Amrita Wifi/CMS/Domain user name>

Select the check box for "Show VPN status in menu bar". small icon ( ) on the top Mac menu bar will be added. Next, click the "Authentication Settings..." button.

	User Authentication:	
	Password: •••	
Wi-Fi	RSA SecurID	Construction of the local data
Thund thernet	Certificate Select	
Not Connected	C Kerberos	
Bluetooth PAN	CryptoCard	•
O VPN (L2TP) Not Connected	Machine Authentication:	
	Shared Secret: •••	
	Certificate	Select
	Group Name:	onaD
	Cancel	ОК
- I - I I	Show VPN status in men	u bar Advanced ?

6. The authentication screen will appear. Input your password in the "Password" field (**Your Amrita Wifi/CMS/Domain password**). Specify the pre-shared key **"AmrKey"** in the "Shared Secret" field. After you input these, click the "OK" button.

7. After you return to the previous screen, click on the VPN icon on the menu bar and Connect to the VPN. Check the "Show VPN status in menu bar" and click the "Advanced..." button.

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Show All		a
(L2TP)		
	TCP/IP DNS P	roxies
	And a second	
	Disconnect when switch	hing user accounts
	Disconnect when user I	logs out
	Send all traffic over VP	N connection
	Advanced	and the second se
	Use verbose logging	
(7)		Cancel OK

8. In the advanced settings, select the "Send all traffic over VPN connection" and click the "OK" button.

9. On the VPN connection settings screen, click the "Connect" button to start the VPN connection.

## 2. Start a VPN connection

You can start a new VPN connection by clicking the "Connect" button at any time. You can also initiate a VPN connection by clicking the VPN icon ( ) on the menu bar.

After the VPN connection will be established, the VPN connection setting screen will be shown on the Network Settings window along with the details. Your private IP address on the VPN, and connected duration time will also be displayed on the screen.

Loca	tion: Automatic	•
Wi-Fi Connected	Status: Connect Time: IP Address:	Connected       00:01:15     Sent.       10.211.1.1     Received:
Thundthernet   <->     Not Connected   <->     Bluetooth PAN   Image: Second Se	Configuration: Server Address: Account Name:	Default :   partial agenges and   vpn   Authentication Settings   Disconnect
- A-	Show VPN status i	n menu bar Advanced

## 3. Your device is ready for VPN communication

While VPN is established, all communications will be relayed via the VPN Server. You can access to any local servers and workstation on the campus network. Your internet connection will also be routed through the campus network. All restrictions similar to the restrictions in the campus apply.

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