Memorial University of Newfoundland

Residence Wired Connection Installation Manual



MAC OS 10.5

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Introduction

This document will take you through the process of configuring your personal computer to work with the wired ports in Residence.

Who should use this document?

This document should be used only by MUN students who wish to use wired ports in Residence and have the Mac OS 10.5 or better operating system.

Help

For assistance during the configuration process please contact:

Computing and Communications Help Centre Phone: 737-4595 E-mail: help@mun.ca Hours: 8:30am - 5:00pm (fall & winter); 8:30 - 4:30 (summer)

Requirements

- A computer running Mac OS 10.5.
- A network interface card that supports IEEE 802.1x authentication with the latest drivers installed.
- Your account credentials, which can be generated through the Device Authorization Tool (DAT) at <u>www.mun.ca/cc</u>. These credentials are used for both wired and wireless access on campus, so if you already have a wireless account then you know your user name and password. Remember, you must be a current MUN student to submit the DAT form.

Configuration

1. Click the System Preferences icon in your Dock.



2. Go to Internet & Network and click Network.



3. Select the **Ethernet** option in the **Network** window.

In the **Configure** drop down box select **Using DHCP**

4. Click the Advanced... button.

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	Location:	Automatic	•
ParallelGuest Connected Parallels NAT Connected	* «~»» «~»»	Status:	Cable Unplugged The cable for Ethernet is not plugged in.
Bluetooth Not Connected	8	Configure:	Using DHCP
Ethernet Not Connected	«··»	IP Address:	
FireWire Not Connected	Ý	Subnet Mask: Router:	
On	?	DNS Server:	
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		802.1X:	802.1x Connect
+ - \$.			Advanced
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- 5. In the Advanced view, click the Configure IPv4 drop down box and select Using DHCP.
- 6. Click the **802.1X** tab.
- 7. In the **Authentication:** window select only **PEAP**, and deselect all other options.
- 8. Click the **Domain:** drop down box and select **User.**

If the box is grayed out, click the **Disable 802.1X Login** button to enable it.

- 9. Under the **Configurations** window click the **Add an 802.1X configuration** button and name the configuration that appeared **MUN**.
- 10. Enter your User Name: and Password:
- 11. In the **Authentication:** window select only **PEAP**, and deselect all other options.
- 12. Click OK.

00	Network			
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🕪 Ethernet	(Location-027/88/68)	11-09 AND 0		
User	/INS AppleTalk 80	2.1X Proxies Ethernet		
System Domain ✓ Login Window				
State: 802.1X login is disabled Enable 802.1X Login	When the user logs supplied in the Log authenticate to the	s in, the user name and password gin Window will be used to e network.		
Certificate: Unknown Get Certificate)	Authentication:	On Protocol PEAP TTLS EAP-FAST LEAP MDS Configure		
0	r treps.	Cancel OK		

	3
S AppleTalk 80	2.1X Proxies Ethernet
User Name:	user name
Password:	
Authentication:	On Protocol TTLS
	PEAP TLS
	EAP-FAST
	MD5
	comgare
	Cancel OK
	S AppleTalk 80 User Name: Password: Authentication:

 Click the Connect button across from the 802.1X: MUN profile name to establish the connection.

The **Status** message near the top of the window should change to **Ethernet is connected** and the connection is **Authenticated via PEAP (Inner Protocol: MSCHAPv2)**

14. Click the **Apply** button.

00		Network			
► Show All)			Q	
	Location:	Automatic			
Ethernet Connected	«··»	Status:	Ethernet is connec	ted	
ParallelGuest Connected	~~ >		Authenticated via PEAP MSCHAPv2) Connect Time: 00:00:22	(Inner Protocol:	
Parallels NAT Connected	«••»	Configure:	Using DHCP		•
Bluetooth Not Connected	8	IP Address:	134.153.236.82		
FireWire	* <u>e</u> *	Subnet Mask: Router:	255.255.252.0		
On	-	DNS Server:	134.153.232.90, 13	4.153.232.23	
		Search Domains:	mun.ca		
		802.1X:	MUN	Disconnec	t
+ - *-				Advanced.	. ?
Click the lock to	prevent furthe	r changes.	Assist me	Revert	Apply

Please Note: It has been observed that the IEEE 802.1X network configuration in Mac OS 10 does not establish a permanent connection – when you log out of the computer, shut down, or disconnect the network cable the connection will be broken, and it will be necessary to manually establish the connection each time.

To reconnect go through Steps 1, 2, and 13 in this tutorial.