Manually Setup your Wired Network for Windows 7/8

Please contact the ResNet Office at anytime if you feel that you need help with any of this.

1. Press the "windows key", type "services.msc" in the text area and press "enter." (picture will look different for windows 7)



2. Scroll down until you see "Wired AutoConfig", RIGHT click on it and select "Properties"

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File Action View	Help						
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🌼 Services (Local)	Services (Local)						
	Wired AutoConfig	Name	Description	Status	Startup Type	Log On As	^
	Description: The Wired AutoConfig (DOT3SVC) service is responsible for performing IEEE 802.1X authentication on Ethernet interfaces. If your current wired network deployment enforces 802.1X authentication, the DOT3SVC service should be configured to run for establishing Layer 2 connectivity and/or providing access to network resources. Wired networks that do not enforce 802.1X authentication are unaffected by the DOT3SVC service.	Windows Driver Foundation Windows Error Reporting Se Windows Event Collector Windows Event Collector Windows Fort Cache Service Windows Image Acquisitio Windows Installer Windows Installer Windows Management Inst Windows Management Inst Windows Media Player Net Windows Store Service (WS Windows Store Service (WS Windows Time Windows Time Windows Update Windows Update Windows Update Windows Update	Creates and Allows error This service Windows Fi Optimizes p Provides im Adds, modi Provides a c Shares Win Enables inst Windows R Provides co Provides co Provides inf Maintains d Enables the WinHTTP i The WLANS	Running Running Running Running Running Running Running Running Running Running	Manual (Trig Manual (Trig Manual (Trig Manual Automatic Automatic Automatic Manual Manual Automatic (D Manual (Trig Manual (Trig Manual Disabled Automatic	Local Syste Local Syste Network S Local Service Local Service Local Service Local Syste Local Syste Network S Local Syste Local Syste	
		WMI Performance Adapter	Provides pe		Manual	Local Syste	
		Workstation	Creates and	Running	Automatic	Network S	
		See WWAN AutoConfig	This service		Manual	Local Service	~
	Extended Standard						

3. Set the "Startup Type" to "Automatic"

۷	Vired A	utoConfig Properties (Local Computer)		
General	Log On	Recovery Dependencies		
Service name:		dot3svc		
Display	name:	Wired AutoConfig		
Descrip	tion:	The Wired AutoConfig (DOT3SVC) service is responsible for performing IEEE 802.1X		
Path to C:\WIN	executabl DOWS\sj	le: ystem32\svchost.exe +k LocalSystemNetworkRestricted		
Startup	type.	Disabled		
Automatic (Delayed Start)				
	Manual Desided			
Service	status:	Stopped		
S	itart	Stop Pause Resume		
You car from he	n specify t re.	he start parameters that apply when you start the service		
Start pa	irameters:			
		OK Cancel Apply]	

4. Click on the "Start" and then "OK"

Wired A	utoConfig Properties (Local Computer)			
General Log On	Recovery Dependencies			
Service name:	dot3svc			
Display name:	Wired AutoConfig			
Description:	The Wired AutoConfig (DOT3SVC) service is responsible for performing IEEE 802.1X			
Path to executab C:\WINDOWS\s	le: ystem32\svchost.exe -k LocalSystemNetworkRestricted			
Startup type:	Automatic 🗸			
Help me configur	Help me configure service startup options.			
Service status:	Stopped			
Start	Stop Pause Resume			
You can specify t from here.	the start parameters that apply when you start the service			
Start parameters:				
	OK Cancel Apply			

5. Press the "windows key" and type in "View Network Connections" and press "Enter" (picture will look different for windows 7)

Settings Results for "view network connections"	Search Settings
View network connections	view hetwork connections X P
View devices and printers	Apps (
View system resource usage in Task Manaper	Settings
View network status and tasks	Files 2
View network computers and devices	ebay eBay
	Store

6. RIGHT click on "Ethernet" (for Windows 8) or "Local Area Connection" (for Windows 7)



7. Click on "Properties", then click the "Authentication" tab at the top of the resulting window.

8. Check "Enable IEEE 802.1x authentication" and select "Microsoft: Protected EAP (PEAP)" from the drop down box

Ethernet Properties	x
Networking Authentication Sharing	
Select this option to provide authenticated network access for this Ethemet adapter. Inable IEEE 802.1X authentication Choose a network authentication method:	
Microsoft: Protected EAP (PEAP) V	
Microsoft: Protected EAP (PEAP) Microsoft: EAP-SIM Microsoft: EAP-TTLS Microsoft: EAP-AKA Microsoft: EAP-AKA	
Additional Settings	
OK Cancel	

9. Click on "Settings"



10. **Un**check "Verify the server's identity" and select "Secured password (EAP-MSCHAP v2) from drop down



11. Click Configure

12. Uncheck "Automatically use my Windows logon name and password" and click "OK"

Protected EAP Properties
EAP MSCHAPv2 Properties
When connecting: Cancel When connecting: Cancel Cancel Cancel
authority.fredonia.edu Baltimore CyberTrust Root Gass 3Public Primary Certification Authority Entrust.net Secure Server Certification Authority Equifax Secure Certificate Authority C
Notifications before connecting:
Tell user if the server name or root certificate isn't specified
Select Authentication Method:
Secured password (EAP-MSCHAP v2) V Configure
Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy
OK Cancel

13. Click "OK" again

14. Click "Additional Settings"



15. Check "specify authentication mode" and Select "User authentication" from the drop down. Then click "OK"

Advanced settings
802.1X settings
Specify authentication mode
User authentication V Save credentials
Delete credentials for all users
Enable single sign on for this network
Perform immediately before user logon
Perform immediately after user logon
Maximum delay (seconds): 10 🗘
Allow additional dialogs to be displayed during single sign on
This network uses separate virtual LANs for machine and user authentication
OK Cancel

16. Click on "OK"



17. For Windows 7, you should see a bubble appear. Click on it. For windows 8, skip this step.

Additional information is needed to connect to this network Click to provide additional information.	vork 🄌 🗙	
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18. You should now be prompted with a "Network Authentication" window. Enter your Fredonia e-Services ID and password and click "OK"

2		Network Connections -	
• •	🕆 🏆 🕨 Control Panel 🕨 Netv	vork and Internet 🔸 Network Connections 🗸 🗸 Search Network Connecti	ons ,0
Organize	 Disable this network device 	Diagnose this connection $$R$$ Rename this connection $$s$$	
× 8	Bluetooth Network Connection Not connected Bluetooth Device (Personal Area	Ethernet Attempting to authenticate Intel(R) 82579LM Gigabit Network.	
S.	Wi-Fi w2k.fredonia.edu Intel(R) Centrino(R) Advanced-N	Windows Security	
		e-Services ID	
		Domain.	
		OK Cancel	
4 items	1 item selected		800

19. After a few seconds, your internet connection should work! CONGRATULATIONS!