

# **ResNet Connection for Windows 8**

### GENERAL NOTE:

ResNet is provided as a resource for UNO students to access University and Internet based services. As such, the network must be secured to prevent unauthorized usage. The instructions located in this document will guide you in configuring your system to use industry-standard authentication services to access the network.

After your computer system is set up to use the authentication services, Windows 7 will retain your UNO Account credentials and your system will automatically reconnect to the network every time you plug into the network and power up your computer.

This will remain in effect as long as your UNO account is active or until your password changes, at which time you will have to login with the new password.

### IMPORTANT CONSIDERATION:

Since your computer will connect using your UNO account credentials, on campus only, anyone borrowing your system will be identified as you.

Please note that you are responsible for following all University policies regarding the use of:

- Your personal UNO accounts,
- The UNO network,
- Internet usage, and
- Any other University computer systems that your UNO account may have access to on the campus network.

Please consider carefully as you are responsible for all actions taken by your personal login account.

The following instructions are for Windows 8 users. If your computer uses any other operating system, please refer to the other documentation on the UCC page. If you need help call the UCC Help Desk at (504) 280-4357.

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- 1. At the Windows App Home screen, type **Services**. Windows will automatically start searching for anything named **Services** on the computer.
- 2. Under the search bar, make sure to select **Settings**.
- 3. Then on the left hand side of the screen, click on **View Local Services**.

View local services	services
Allow remote access to your computer	Apps
Allow Remote Assistance invitations to be	Settings
invite someone to connect to your PC and help you, or offer to help someone else	Files
Select users who can use remote desktop	b Bing
	Finance
	Games
	e Internet Explorer

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4. Now the **Services** window will open. Scroll down to the bottom of the list of services provided and locate **Wired Autoconfig.** Then, right click on it and select **Properties.** 

6		Services			- 5	×
File Action View	Help					
** 1	3 (20 ) D (10 ) D (10 ) D (10 ) D (10 )					
Services (Local)      Wired AutoConfig      Mined AutoConfig      Mined AutoConfig      Mined AutoConfig      Mined AutoConfig      Mined AutoConfig      Mined AutoConfig      Description      The Wired AutoConfig (DOT3SVC)      service is reportible for performing      Ette 802.1X authentication on      Ethemate interfaces. If your current      wired network deployment enforces      N02.1X authentication, the DOT3SVC      service should be configured to run      for entablishing Lawr 2 connectivity	Name Windows Event Collector Windows Event Log Windows Frewall Windows Frent Cache Serv Windows Installer Windows Installer Windows Management In Windows Modules Installe Windows Modules Installe Windows Modules Installe Windows Remote Manage Windows Search Windows Sarch Windows Search	Description This service This service this service Start Stop Prime Essume Restart All Tasks Refuest	Status Running Running 9 9 9	Startup Type Manual Automatic Automatic Manual Manual Automatic Contentic Manual Manual Manual Automatic D	Log * Net Loc Loc Loc Loc Loc Net Loc Net Loc	
	resources. Wired networks that do not enforce III2.1X authentication are unaffected by the DOT25VC service.	Windows Time Windows Update WinHTTP Web Proxy Auto	Properties	9	Manual (Trig Manual (Trig Manual	Loc Loc Loc
		WLAN AutoConfig WMI Performance Adapter Workstation WWAN AutoConfig K	The WLANS Provides pe Creates and This service	Running Running	Automatic Manual Automatic Manual	Lec Lec Net Lec v
Opens the properties d	Extended (Standard) falog box for the current selection.					



5. A Wired AutoConfig Properties window will appear. For **Startup type** select **Automatic**. Click the **Start** button. A new box with a progress bar will appear. It will automatically go away when the task is finished. Once it is finished, click **OK** to close out the window.

	8 UP   14 1	Wired AutoConfig Properties (Local Computer)	3		_
anones (coral)	Serv	General Log On Recovery Dependencies			_
Wired Auto Start the bas Description The Wird J bervice is re REE 802.1X Etherset int wired netwo 802.1X extth	Wired Auto Start the sat Description The Wired a service is re Wired active Wired netwo 802.13 with service shar	Service name dot2exic Deploy name Weed AutoConfig Description The Weed AutoConfig (DOT35VC) envice is n The Weed AutoConfig (DOT35VC) envice is n The Weed AutoConfig (DOT35VC) envice is n m Path to executable C. Windows legitiest 32 evictoriat axes & LocalSystemNetworkResticted Status type Automatic v	Katus Running Running Running Running Running	Startop Type Manual Automatic Automatic Automatic Manual Automatic Automatic (D., Manual Manual Manual Manual	Log * Net Loc Loc Loc Loc Loc Loc Loc Net Loc
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	Extended (	OK Carcel Aydy	Running	Automatic Manual	Net Los 3

If a Network Security Alert appears like the one below, skip to step 17.

	Windows Security	×
Save crede Saving your cr when you're r	entials redentials allows your computer to connect to the network not logged on (for example, to download updates).	:
P	username	
	OK Cancel	

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6. Click the **Windows Key** to return to the app home screen. From there, type **Control Panel** and click the option on the left of the page.



7. Inside the Control Panel, change the **View by:** setting to **Small icons.** Then, click on **Network and Sharing Center.** 

8	All Control Panel Items		- *
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Adjust your computer's settings		View by: Small icone =	
Action Center	2 Administrative Tools	Ha AutoPiay	•
Biometric Devices	By BitLocker Drive Encryption	Color Management	
Credential Manager	201 Date and Time	To Default Programs	
Device Manager	Devices and Printers	🜉 Display	
Same of Access Center	the History	Flack Player (32-bit)	
Folder Options	A Fonta	📸 HomeGroup	
Se HP Quick Launch Buttons	A Indexing Options	I infrared	
Conternet Options	Ecyboard	😒 Language	
I Location Settings	C Mail (32-bit)	@ Mouse	
P Network and Sharing Center	Reversion Area loons	/ Pen and Touch	
Performance information and Tools	Personalization	Phone and Modern	
Power Options	Programs and Features	Recovery	
@ Region	RemoteApp and Desktop Connections	Sound .	
- Speech Recognition	B Storage Spaces	(B) Syrie Center	
19 System	Z Tablet PC Settings	[7] Taxkitar	
Troubleshooting	R User Accounts	Windows 7 File Recovery	
Mill Windows Defender	P Windows Firewall	Windows Misbility Center	
L Windows To Go	Windows Upitale		Q.

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8. The Network and Sharing Center window will now appear. Click the **Change adapter settings** option located in the left column of the window.

Ŭ.		Network and Sharing Cente	e F			
🛞 🐵 - 🕈 🕎 = Ail Cont	ol Panel Items + N	letwork and Sharing Center		el p		
Control Panel Home	View your	basic network information	and set up connections			
Change adapter settings	View your acti	ve networks				
Change advanced sharing settings	uno.edu Domain na	đwork	Access type: internet Connections: 💡 Ethernet			
	Change your r	setworking settings				
	🦉 Ser Ser	Set up a new connection or network Set up a broadband, dial-up, or VPN connection; or set up a router or access point.				
	Troi Dies	ubleshoot problems grose and repair network problem	, or get troubleshooting information.			
See also:						
HameGroup						
Infrared						
Internet Options						
Windows Finewall						

9. Right click the **Ethernet** icon and click **Properties**.



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- 10. In the **Ethernet** window:
  - Be sure that Internet Protocol
     Version 6 (TCP/IPv6) is NOT selected.
     If it is, then uncheck this selection
     box.
  - b. Click Internet Protocol Version 4 (TCP/IPv6) and then click the Properties button.

11. Verify the following are selected:

automatically

b. Obtain DNS server address

c. Click **OK** to close this window.

a. Obtain an IP address automatically

Ethernet Properties	×			
Networking Authentication Sharing	_			
Connect using:				
Broadcom NetXtreme Gigabit Ethemet				
Configure				
This connection uses the following items:				
Image: Starting for Microsoft Networks     Microsoft Network Adapter Multiplexor Protocol				
A Microsoft Hervoir Adapta Malaplead Horocol      A Microsoft LLDP Protocol Driver      A Link-Layer Topology Discovery Mapper I/O Driver      A Link-Layer Topology Discovery Responder      A Internet Protocol Version 6 (TCP/IPv6)				
□ -▲ Internet Protocol Version 6 (TCP/IPv6)				
Internet Protocol Version 6 (TCP/IPv6)     Internet Protocol Version 4 (TCP/IPv4)				
Internet Protocol Version 6 (TCP/IPv6)  Internet Protocol Version 4 (TCP/IPv4)  Install Uninstall Properties				
Internet Protocol Version 6 (TCP/IPv6) Internet Protocol Version 4 (TCP/IPv4) Install Uninstall Properties Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.				

Internet Protocol Version 4 (TC	P/IPv4) Properties ? ×
General Alternate Configuration	
You can get IP settings assigned auton this capability. Otherwise, you need to for the appropriate IP settings.	natically if your network supports o ask your network administrator
Obtain an IP address automatical	ly
O Use the following IP address:	
IP address:	· · · · ·
Subnet mask:	· · · ·
Default gateway:	
Obtain DNS server address autor	natically
OUse the following DNS server add	resses:
Preferred DNS server:	· · · ·
Alternate DNS server:	
Validate settings upon exit	Advanced
L	OK Cancel

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- 12. You will return to the Ethernet Properties window:
  - a. Click the Authentication tab.
  - b. Make sure the Enable IEEE 802.1X authentication box is checked.
  - c. <u>Select</u> Remember my credentials for this connection each time I'm logged on.
  - d. <u>Select</u> Fallback to unauthorized network access.
  - e. Choose Microsoft: Protected EAP (PEAP) from the authentication methods pull down menu.
  - f. Next, click the Settings button for Microsoft:
     Protected EAP (PEAP) network authentication.



- 13. The Protected EAP Properties window will appear:
  - a. Check Validate server certificate
  - b. In the Select Authentication Method section, use the pull down menu to choose Secured password (EAP-MSCHAP v2). Then, click the Configure button.



- 14. The EAP MSCHAPv2 Properties window will appear:
  - a. Make sure the Automatically use my Windows logon name and password (and domain if any) box is NOT checked. Then click OK.

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![](_page_8_Picture_0.jpeg)

b. You will return to the **Protected EAP Properties** window. Click **OK** to return to the **Ethernet Properties** dialogue box.

EAP MSCHAPv2 Properties	×
When connecting:	
when connecting.	
Automatically use my Windows logon name ar password (and domain if any).	nd
OK Cancel	

15. Next, click the **Additional Settings** button to get to the Advance Settings.

9	Ethernet	Propert	ies		×
Networking A	uthentication Shar	ng)			_
Select the c this Etheme I Enable I Choose a n	ption to provide aut t adapter EEE 802 1X authent etwork authenticatio	herticated Ication	netwolk a	iccess for	
Microsoft i	Protected EAP (PEA	P)	*	Settings	
i Fernend Inne fini Inne fini Inne fini	er ny credentials fo ogged on to unauthorced net I Settings	i this com	ection eac	h	
1		1	Ocar	- On	id.

![](_page_9_Picture_0.jpeg)

- 16. Next, select the following Advanced Settings settings:
  - a. Select Specify authentication mode
  - b. Under this setting, choose **User authentication** from the drop down menu.
  - c. To complete this setup, select **Save <u>c</u>redentials**.

A window will now open (**Windows Security**) that will allow you to put in your UNO account login information.

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

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![](_page_10_Picture_0.jpeg)

17. Enter your UNO username and password here – click OK.

Your credentials will be saved here, allowing you to directly connect in the future without having to retype this information every time you connect to the UNO network.

The only exception will be when your password expires or if you mistyped your password. If this occurs, you will get a login window asking you to input the correct or update credentials when connecting to the network.

- a. At this point, you can close the Advanced Settings window by selecting OK.
- b. Close the Ethernet Properties by selecting OK.

	Windows Security	×
Save crede Saving your cre when you're ne	ntials edentials allows your computer to connect to the network ot logged on (for example, to download updates).	:
Р	username	
	OK Cancel	

18. Then a **Network Security Alert** window will appear. Click **Connect** and you should now be connected and ready to use the network.

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![](_page_11_Picture_0.jpeg)

ResNet Copyright Infringement Policy:

In accordance with federal legislation, specifically the Digital Millennium Copyright Act of 1998, ResNet Internet Service will undertake very specific action when formal notifications of copyright infringement by ResNet users have been received from copyright holders or their representatives. The ResNet Support Group will certify that positive contact with the user has taken place and that the user has either ceased the infringing activity or that ResNet Support has taken action on its own with the result of ceasing the infringing activity when the activity originates from within the ResNet network.

In response to this legislation, the ResNet Support Group has developed the following procedures. Compliance with applicable law is the ultimate goal. Much of the activity occurring in violation of copyright laws is the result of peer-to-peer file sharing software usage by users who are, as often as not, unaware that certain uses of this software violates copyright laws. Consequently, user education is a necessary component of required compliance efforts. ResNet staff will maintain sufficiently detailed records reflecting infringement notices received and responses thereto. The following are the procedural steps to be taken in response to formal notifications of copyright infringement:

University Computing & Communications receives notice that a user may be violating copyright laws.
 Upon determination that the user is connected to ResNet based on the IP address given in the complaint, the complaint is routed to the ResNet Support Group.
 ResNet staff will search records and determine the identity of the user.
 ResNet staff will search records to determine whether the user is a repeat offender. If it is clear that the user is a repeat offender, the complaint will be handled as described under "Repeat Offenders" below. If this complaint is a first offense, the "First Offense" procedure will be followed.

## First Offense

 ResNet Support will immediately suspend network service.
 ResNet Support issues an e-mail notice to the user explaining the reason for suspension. The infringement notice will be included as an enclosure to the e-mail notice.
 ResNet Support will reactivate service after contacting the ResNet user.

## **Repeat Offenders**

1. ResNet Support will immediately terminate network service. 2. ResNet Support will send an e-mail notice to the user explaining that a second or subsequent complaint of infringing activity has been received and that the user's network service has been terminated. 3. ResNet Support will notify the University Office of Judicial & Student Assistance that a second offence has occurred and will forward all pertinent information for review.

Failure to adhere to UNO Acceptable Use Policies may result in loss of privileges as well as disciplinary or legal action.

If you encounter any trouble, feel free to contact the Help Desk at (504) 280-4357 or by email at <u>helpdesk@uno.edu</u>. You may also stop by the Help Desk, located in the UCC Room 101.

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