# **Configure Wireless for Windows 7**

There are two main procedures for configuring Windows 7 to access McGill's wireless network. You can also add the steps at the bottom if you don't want your username and password stored on the computer.

- Method 1: <u>Simple configuration of wireless for Windows 7</u> (steps can be used for McGill wireless on campus, REZ wireless and eduroam)
- Method 2: <u>Configure wireless to access McGill network drives</u> (can only be used when you are on a McGill campus, i.e., not for eduroam users at other universities, intercampus shuttle buses or MUHC.)
- Additional steps: Adjust wireless configuration to NOT save your username and password (for shared computers)

## **Simple configuration of wireless for Windows 7**

1. Click on the **Network** icon in the System tray.



Alternatively, you can click on **Start > Control Panel > Network and Sharing Center > Connect to a Network**.

- 2. Select one of the following campus networks (SSID), then click on **Connect**:
  - wpa.mcgill.ca
  - wpa.rez.mcgill.ca (wireless connectivity in McGill residences)
  - **eduroam** (reserved for members of the <u>eduroam service</u> non-McGill users visiting McGill and McGill users visiting another institution)
  - wpa.bus.mcgill.ca (<u>wireless on inter-campus shuttle buses</u>)
  - CUSM-MUHC.MCGILL.CA (wireless network of MUHC (McGill University Health Centre) found in certain areas) Note to MUHC staff: If you do not see this option, and wish to request the installation of a new MUHC wireless access point, please contact MUHC Information Services at 514-934-8484.

Not connected	<del>*,</del>	
Connections are available		=
Dial-up and VPN	*	1
Wireless Network Connection	^	
wpa.mcgill.ca	.ul	
Conr	ect	
eduroam	.all	
mcgill.ca	311	
OCG	at	Ŧ
Open Network and Sharing Cer	nter	

3. The first time you connect to a network, you must choose a network location. Select **Public network** to ensure that your computer is set to an appropriate security level.



Enter your <u>McGill Username and your McGill Password</u>\*; then click OK.
 \*For non-McGill users, using eduroam at McGill, you would enter your own university credentials.

Windows Security	/	×	
Network Au Please enter us	uthentication er credentials		
	james.mcgill@mcgill.ca		
		OK Cancel	

5. Click **Connect** to continue with authentication.

**Note:** You will see a **Windows Security Alert** message saying the "The Credentials provided by the server could not be validated..." Don't worry about this; just click **Connect.** 



6. You are now successfully connected to McGill's wireless network.

### **Configure wireless to access your network drives**

Follow these steps if you want to see your McGill network drives as soon as you log into the McGill wireless network. Note that you must be on the McGill downtown or Macdonald campus.

1. Click on the **Network** icon in the System tray to open the connections window. Next, open the the **Network and Sharing Center**.



Alternatively, click on **Start > Control Panel > Network and Sharing Center**.

2. From the Network and Sharing Center, select Manage Wireless Networks and choose Add.

Select the option to Manually create a network profile.



3. Enter the following information:

Network name: **wpa.mcgill.ca** Security type: **WPA2-Enterprise** Encryption type: **AES** Select the checkbox to **Start this connection automatically**. Click **Next**.

$\bigcirc$	Manually connect to a wi	ireless network	
	Enter information for t	he wireless network you want to add	
	Network name:	wpa.mcgill.ca	
	Security type:	WPA2-Enterprise	
	Encryption type:	AES -	
	Security Key:	Hide characters	
	Start this connection automatically Connect even if the network is not broadcasting Warning: If you select this option, your computer's privacy might be at risk.		
		Next Cancel	

4. Click on **Change connection settings**.



5. The **wpa.mcgill.ca Wireless Network Properties** box will open. Go to the **Security** tab and click on **Advanced settings**.

wpa.mcgill.ca Wireless	Network Properties	23
Connection Security		
Security type:	WPA2-Enterprise	
Encryption type:	AES 🗸	
Choose a network au	thentication method:	
Microsoft: Protected	EAP (PEAP)   Settings	
Remember my cre	edentials for this connection each	
time I'm logged on	1	
Advanced settings	s	

6. From the **Advanced settings** window, select the checkbox: **Specify authentication mode**. From the drop menu, select **User or computer authentication**. Click **OK**.

Advanced settings
802.1X settings 802.11 settings
Specify authentication mode:
User or computer authentication  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

7. You will return to the **wpa.mcgill.ca Wireless Network Properties** box. Under **Choose a network authentication method,** click on **Settings**.

wpa.mcgill.ca Wireless Network Properties	83
Connection Security	_
Security type: WPA2-Enterprise   Encryption type: AES	
Choose a network authentication method:	-
Remember my credentials for this connection each time I'm logged on	

- 8. Select the following checkboxes:
  - Connect to these servers
  - Under Trusted Root Certification Authorities: thawte Primary Root CA

#### • Enable Fast Reconnect

#### Next, click Configure.

Protected EAP Properties
When connecting:
Validate server certificate
Connect to these servers:
wireless-login.mcgill.ca
Trusted Root Certification Authorities:
Starfield Class 2 Certification Authority
StartCom Certification Authority
Thawte Premium Server CA
Thawte Premium Server CA
Thawte Primary Root CA
Thawte Timestamping CA
UTN - DATACorp SGC
Do not prompt user to authorize new servers or trusted certification authorities.
Do not prompt user to authorize new servers or trusted certification authorities.
Do not prompt user to authorize new servers or trusted certification authorities.  Select Authentication Method:  Secured password (EAP-MSCHAP v2)  Configure
Do not prompt user to authorize new servers or trusted certification authorities.  Select Authentication Method:  Secured password (EAP-MSCHAP v2)  Configure  Enable Fast Reconnect
Do not prompt user to authorize new servers or trusted certification authorities.  Select Authentication Method:  Secured password (EAP-MSCHAP v2)  Enable Fast Reconnect Enforce Network Access Protection
Do not prompt user to authorize new servers or trusted certification authorities.  Select Authentication Method:  Secured password (EAP-MSCHAP v2)  Configure  Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV
Do not prompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2) Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy
Do not prompt user to authorize new servers or trusted certification authorities.  Select Authentication Method:  Secured password (EAP-MSCHAP v2)  Configure  Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy
Do not prompt user to authorize new servers or trusted certification authorities. Select Authentication Method: Secured password (EAP-MSCHAP v2) Enable Fast Reconnect Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TLV Enable Identity Privacy OK Cancel

9. Uncheck Automatically use my Windows logon name and password. Click OK.

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

10. Click **OK** to close the remaining open boxes and apply the changes.

**Note:** If this is your first time using this wireless connection, you will be prompted to enter your McGill Username and McGill Password.

To apply the changes, log off then log on again. Your network drives will now appear upon login.

# Adjust wireless configuration to NOT save your username and password

Follow the steps in one of the procedures above to create your network connection. Then proceed with the steps below if you do not want to save your username and password on the computer (e.g. when using a shared laptop):

1. Click on the **Network** icon in the System tray. Right-click on the wireless connection and select **Properties**.

Not connected	÷3	
Connections are available		
Dial-up and VPN	L 🔨	
Wireless Networ	k Connection	
wpa.mcgill.ca	Connect	
eduroam	Properties	
mcgill.ca	<b>3</b> 40	
Tidan22		Ŧ
Open Network and Sharing Center		
4	3:50 PM	)

2. On the **Security** tab, remove the check mark next to **Remember my credentials...**; then press **OK**.

wpa.mcgill.ca Wireless I	Network Properties	×
Connection Security		
Security type:	WPA2-Enterprise	
Encryption type:	AES	
Choose a network aut	hentication method:	
Microsoft: Protected	EAP (PEAP) 🔹 Settings	
Remember my crea time I'm logged on	dentials for this connection each	
Advanced settings		
	OK	ncel