

Manually Configuring Windows 8 for Wireless PittNet

If you are not able to connect to Wireless PittNet using <u>our automated wizard</u>, you can manually configure your computer using the steps in this help sheet.

Note: You must have installed the InCommon certificates before completing the instructions below. Refer to the help sheet titled *Installing the InCommon and UserTrust Certificates (Windows)* for details.

Section 1 – Enable the Wireless Auto Config Service

1. From the Windows 8 **Start** screen, type **Control Panel** and then press the **Enter** key. This will search for and automatically open the Control Panel.



Note: In Control Panel, set View by: to Large Icons.

- 2. Select Administrative Tools.
- 3. Select Services.

All Cont	rol Panel Items + Administrative Tools +	- 4	Search Adminis	trative Tools		,
Organize • 📧 Oper	n Burn			10 ·	61	
🔆 Favorites	Name A	Date modified 7/14/2009 12-42 AM	Type Shortcut	Size	2 KB	
Desktop	Group Policy Management	9/22/2009 1:26 PM	Shortcut		2 KB	
Downloads	SCSI Initiator	7/14/2009 12:41 AM	Shortcut		2 KB	
22 Recent Places	🛃 Local Security Policy	9/18/2009 3:57 PM	Shortcut		2 KB	
The second se	Performance Monitor	7/14/2009 12:41 AM	Shortcut		2 KB	
Ubranes	Print Management	9/18/2009 3:57 PM	Shortcut		2 KB	
Documents	2 Remote Server Administration Tools	9/22/2009 1:16 PM	Shortcut		2 KB	
Music	(V) Services	7/14/2009 12:41 AM	Shortcut		2 KB	
Pictures		THE & CORD & T. 44 444	10		75.6470	

4. Right click on WLAN AutoConfig and select Properties.

File Action View	Help							
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Services (Local)	C. Services (Local)							
	WLAN AutoConfig	Name	Description	Status	Startup Type	Log On As		
	Stop the service Restart the service	Windows Event Collector Windows Event Log Windows Firewall	This service manages p This service manages e Windows Firewall helps	Started Started	Manual Automatic Automatic	Network Service Local Service Local Service		
	Description: The WLANSVC service provides the logic required to configure, discover,	Windows Font Cache Service Windows Image Acquisition (WIA) Windows Installer	Optimizes performance Provides image acquisit Adds, modifies, and re	-	Manual Manual Manual	Local Service Local Service Local System		
	connect to, and disconnect from a wireless local area network (WLAN) as defined by IEEE 802.11 standards. It	Windows Management Instrumentation Windows Media Center Receiver Service Windows Media Center Scheduler Service	Provides a common int Windows Media Center Starts and stops recordi	Started	Automatic Manual Manual	Local System Network Service Network Service		
	computer into a software access point so that other devices or computers can connect to your	Windows Media Player Network Sharing Service Windows Modules Installer Windows Presentation Exundation Foot Cache 2000	Shares Windows Media Enables installation, mo Ontimizer performance	Started	Automatic (D Manual	Network Service Local System		
	computer wirelessly using a WLAN adapter that can support this.	Windows Remote Management (WS-Management) Windows Remote Management)	Windows Remote Man Provider content indexi	Started	Manual Automatic (D	Network Service		
	Stopping or disabling the WLANSVC service will make all WLAN adapters	G Windows Time	Maintains date and tim	Statted	Manual	Local Service		
	the Windows networking UL It is strongly recommended that you have	Windows Update	Enables the detection, WinHTTP implements t	Started	Automatic (D Manual	Local System		
	the WLANSVC service running if your computer has a WLAN adapter.	Wired AutoConfig	The WIRE AutoConfig The WLANSVC service	Started	Manual Automatic	Local System		
	II 22 557		Barristan and Street Street					

5. Set **Startup type:** to **Automatic**, click **Apply**, then and click **OK**.

Log On	Recovery Dependencies			
Service name:	Wlansvc			
Display name:	WLAN AutoConfig			
Description:	The WLANSVC service provides the logic required to configure, discover, connect to, and disconnect			
Path to executab	ole:			
C:\Windows\sys	tem32\svchost.exe + LocalSystemNetworkRestricted			
Startup type:	Automatic			
Startup type: Help me configur	Automatic			
Startup type: Help me configur Service status:	Automatic			
Startup type: Help me configur Service status: Start	Automatic re service startup options. Stopped Stop Pause Resume			
Startup type: Help me configur Service status: Start You can specify from here. Start parameters:	Automatic re service startup options. Stopped Stop Pause Resume the start parameters that apply when you start the service			

6. Restart the computer.

Section 2 – Configure the Native 802.1x Client

1. From the Windows 8 **Start** screen, type **Control Panel** and then press the **Enter** key. This will search for and automatically open the Control Panel.

Note: In Control Panel, set View by: to Large Icons.

- 2. Click Network and Sharing Center.
- 3. Click Set up a new connection or network.
- 4. Select Manually connect to a wireless network, then click Next.
- 5. Enter the following settings, then click **Next**.
 - a. Network Name: WIRELESS-PITTNET
 - b. Security Type: WPA2-Enterprise
 - c. Encryption Type: AES

Note: If you are prompted that the network already exists, select Use the existing network.

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e 🖻	Nanually connect to a wireless network		
A n	etwork called WIRELESS-PITTNET already exists		
	Use the existing network Open the "Connect to a network" dialog so I can connect.		
	 Choose a different name Return to the setup page and choose a different name. 		

6. Select Change connection settings.



- 7. Click the **Security** tab and enter the following settings:
 - a. Choose a network authentication method should be set to PEAP
 - b. Remember my credentials should be unchecked
 - c. Click the Settings button next to Choose a network authentication method

WIRELESS-PITTNET Wir	eless Network Propert	ies	×			
Connection Security	2					
Security type:	WPA2-Enterprise	•				
Encryption type:	AES	•				
Choose a network au	thentication method:					
Microsoft: Protected	EAP (PEAP)	Settings				
Remember my credentials for this connection each time I'm logged on						
Advanced settings						
		OK Can	cel			

- 8. Enter the following settings:
 - a. Verify the server's identity by validating the certificate is checked
 - b. Connect to these servers is checked and set to ias.cssd.pitt.edu
 - c. AddTrust External CA Root is checked under Trusted Root Certification Authorities
 - d. The Notifications before connecting: option is set to Don't ask user to authorize new servers or trusted CAs
 - e. Select Authentication Method is set to Secured password (EAP-MSCHAP v2)
 - f. Enable fast reconnect is checked
 - g. Click Configure next to Select Authentication Method

Protected EAP Properties	
When connecting:	
Verify the server's identity by validating the certificat	e
✓ Connect to these servers (examples:srv1;srv2;.*\.s	rv3\.com):
ias.cssd.pitt.edu	
Trusted Root Certification Authorities:	
✓ AddTrust External CA Root	^
Baltimore CyberTrust Root	
Class 3 Public Primary Certification Authority	
DigiCert High Assurance EV Root CA	
Entrust.net Certification Authority (2048)	
Entrust.net Secure Server Certification Authority	
Equifax Secure Certificate Authority	~
<	>
Notifications before connecting:	
Don't ask user to authorize new servers or trusted CAs	~
Select Authentication Method:	terre and the second
Secured password (EAP-MSCHAP v2) V	Configure
Enable Fast Reconnect Enforce Network Access Protection Disconnect if server does not present cryptobinding TL Enable Identity Privacy	v
ОК	Cancel

- 9. Enter the following settings:
 - a. Uncheck Automatically use my Windows logon name and password (and domain if any)
 - b. Click OK

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

- 10. Click OK
- 11. Click OK



13. Click the network status indicator icon in the system tray, select WIRELESS-PITTNET, and click Connect.



14. Enter your University Computing Account username and password.

Troubleshooting: Additional Configuration Instructions for Dell and IBM Computers

If you attempt to connect to Wireless PittNet but receive an error message stating that there is other software managing the connection, you may need to disable existing wireless networking software that was pre-installed on your computer by the manufacturer. Following are specific steps explaining how to disable pre-existing wireless software on a Dell computer. We will add instructions for other computer manufacturers as needed.

Disable Dell Wireless Networking Software

- 1. Right click on the Dell Wireless Utility, located in the System tray. It is represented by several green bars.
- 2. Click **Open**.
- 3. Click the Wireless Networks tab. Uncheck the Let this tool manage your wireless settings checkbox.
- 4. Click **Apply** then click **OK**.

Return to page 1 of this document and complete the instructions to connect to Wireless PittNet.

Get Help

The Technology Help Desk at 412 624-HELP [4357] is available 24 hours a day, seven days a week to answer your technology-related questions. Questions can also be submitted via the Web at **technology.pitt.edu**.