Windows 7 Wireless (WPA) Setup - Detailed

Wireless 802.1x Authentication - Windows 7

Accessing and Configuring 802.1x Authentication for Windows 7

1. Open the Start Menu and select Control Panel.



2. Select Network and Internet.



G <	Control Panel > Network and Internet > Manage Wireless Networks - 47 Search Manage Wireless	ss Networks
Manage wi	reless networks that use (Wireless Network Connection)	
Windows tries f	to connect to these networks in the order listed below.	
Add Adapter pr	roperties Profile types Network and Sharing Center	
0 item	15	
200		
anually create	a network profile.	
🙆 .ul Ma	anually connect to a wireless network	
How	do you want to add a network?	
	-	
	Manually create a network profile	
	This creates a new network profile or locates an existing network and saves a profile for the network on your computer. You need to know the network name (SSID) and	
	security key (if applicable).	
4	Create an ad hoc network	
4	Create an ad hoc network This creates a temporary network for sharing files or an Internet connection	
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- 6. Enter UA_WPA (case sensitive) for Network Name, WPA2-Enterprise for Security type, and AES for Encryption type. Both boxes should
 - Enter OA_WPA (case sensitive) for network name, if the Enterprise is returning to the enterprise is not available in the Security type field, your wireless card is not supported or your card might require a firmware/driver update. Check with your card/PC manufacturer.

Q		ess network		
	Enter information for the	wireless network you wa	ant to add	
	N <u>e</u> twork name: L	IA_WPA		
	Security type:	/PA2-Enterprise		
	Encryption type:	ES ▼		
	Se <u>c</u> urity Key:		<u> </u>	acters
	✓ Start this connection auto Connect even if the netw Warning: If you select this	omatically ork is not broadcasting s option, your computer's privacy	y might be at ri	sk.
7 Select the Change	connection settings option			Next Cancel
. color the onalige	Manually connect to a wireless r	network		
Su	ccessfully added UA_WP/	Ą		
	Change connection : Open the connection prop	settings erties so that I can change the set	ttings.	
				Close

8. Make sure the boxes are checked accordingly and then select the Security tab.

UA_WPA Wireless Network Properties				
Connection Security				
Name:	UA_WPA			
SSID:	UA_WPA			
Network type:	Access point			
Network availability:	All users			
Connect automati	cally when this network is in range			
Connect to a more	e preferred network if available			
Connect even if t	he network is not broadcasting its name (SSID)			
OK Cancel				

9. Make sure Microsoft: Protected EAP (PEAP) is selected in the drop down, then select Settings.

UA_WPA Wireless Net	work Properties	×
Connection Security]	
S <u>e</u> curity type: E <u>n</u> cryption type:	WPA2-Enterprise AES	•
Ch <u>o</u> ose a network a Microsoft: Protecte	uthentication method: d EAP (PEAP) Settir	nas
<u> </u>	edentials for this connection each n	
A <u>d</u> vanced setting	IS	
	ОК	Cancel

10. Ensure the Validate server certificate box is checked. Place a check in the box for ALL VeriSign Trust Network instances in the Trusted Root Certificate Authorities list. Make sure Enable Fast Reconnect is checked, then select Configure...

		_
Vhen	connecting:	
V	Validate server certificate	
	Connect to these servers:	
Tru	usted Root Certification Authorities:	
V	VeriSign Trust Network	~
V	VeriSign Trust Network	
1	VeriSign Trust Network	E
	VeriSign Trust Network	
	VeriSign Trust Network	
	VeriSign Trust Network	-
4	m	
	certification authorities.	
elect Secu	t Authentication Method:	figure
elect Secu	certification authorities. t Authentication Method: red password (EAP-MSCHAP v2) Con	figure.
elect Secu 7 En	certification authorities. t Authentication Method: ired password (EAP-MSCHAP v2) Topology Content of the second secon	figure.
elect Secu 7 En 9 Die	certification authorities. t Authentication Method: red password (EAP-MSCHAP v2) Topology Con mable Fast Reconnect nforce Network Access Protection sconnect if server does not present cryptobinding TLV	figure.
elect Secu En Dis	certification authorities. t Authentication Method: ired password (EAP-MSCHAP v2) Con hable Fast Reconnect force Network Access Protection sconnect if server does not present cryptobinding TLV hable Identity Privacy	figure.
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elect Secu En Dis En	certification authorities. t Authentication Method: red password (EAP-MSCHAP v2) Con hable Fast Reconnect nforce Network Access Protection sconnect if server does not present cryptobinding TLV hable Identity Privacy OK	figure.
elect Secu C En Di: En	certification authorities. t Authentication Method: ired password (EAP-MSCHAP v2) Con hable Fast Reconnect force Network Access Protection sconnect if server does not present cryptobinding TLV hable Identity Privacy OK OK See my Windows, then, click OK three times to close all three	figure. Cancel

11. Uncheck the box for Auto

		When connecting: Automatically use my password (and doma	/ Windows logon name ain if any).	and	
12. The following dialog	gue bubble should	OK appear. Click on the bubble to	Cancel		
	Additional Click to provid	information is needec e additional information.	l to connect UA_	WPA. 🌂 🗙	Windows 7 n copy. Build 7100
			-		2:29 PM 5/12/2009

13. Enter your NetID and UNIX password and then Select OK.

Windows Security	×
Network Authentication Please enter user credentials	
User name Password	
	OK Cancel
Windows Security	—
Windows Security Network Authentication Please enter user credentials	—
Windows Security Network Authentication Please enter user credentials	
Windows Security Network Authentication Please enter user credentials dv365186	
Windows Security Network Authentication Please enter user credentials uv365186	

14. Lastly, click on the wireless icon located in the task bar (Looks like climbing stairs). If you successfully connected to the network you will see **Connected** next to the UA_WPA network.

Currently connected to:	**		
Internet access			
Wireless Network Connection			
UA_WPA Con	nected 🚚		
UA_Classroom	llee.		
UAlbanyWiFi	511		
AmericaEast	51		
Other Network	llee.		
Other Network	3 al		
Open Network and Sharing Center			
- 😼 🛱 🖬 🌘	2:40 PM 5/12/2009		

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