How to set up a secure wireless connection using Windows 7

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In order to protect sensitive information while using UD's wireless network, the Office of Technology recommends that all **Windows 7** users follow these instructions. You must follow these instructions in order to connect to UD's wireless network.

Open Manage Wireless Networks by clicking the Start button ^(G), clicking Control Panel, clicking Network and Internet, clicking Network and Sharing Center, and then, in the left pane, clicking Manage wireless networks. Click Add, Manually create a network profile.



Enter information	for the wireless network you want to add	
Network name:	UD_WiFi	
Security type:	WPA2-Enterprise	
Encryption type:	AES	
Security Key:	Hide characters	
V Start this connec	ction automatically	
Connect even if	the network is not broadcasting	
Warning: If you	select this option, your computer's privacy might be at risk.	

Add a connection called UD_WiFi with settings as below.

Click Next.

Click "Change connection settings".

Manually connect to a wireless network	
Successfully added UD_WiFi	
Change connection settings Open the connection properties so that I can change the settings.	
	1.2. 2.1
	Close

Highlight the newly created UD_WiFi and right-click, choose	e Properties. Make
sure that "Connect automatically when network is in range	" is de-selected.

JD_WiFi Wire	less Network Proper	ties		×	
Connection	Security				
Name:	UD_WiFi				
SSID:	UD_WiFi				
Network t	pe: Access po	int			
Network a	ailability: All users				
Conne	t automatically when	this network is in ra	ange		
Conne	t to a more preferred	network if availabl	e		
Conne	t even if the network	is not broadcasting	its name (SSID)		
		OK	Cancel		
			-28		

Select the Security tab of the UD_WiFi properties window. Choose the settings as below.

Make sure that "Remember my credentials for this connection each time I'm logged on" is NOT checked.

onnection Security			
Security type:	WPA2-Enterprise		·
E <u>n</u> cryption type:	AES	-	-
Microsoft: Protecte	d EAP (PEAP)	<u>S</u> ettings	
Microsoft: Protecte	d EAP (PEAP)	Settings	
Microsoft: Protecte	d EAP (PEAP)	Settings	
Microsoft: Protecte Remember my ci time I'm logged o	d EAP (PEAP) edentials for this conne	Settings	
Microsoft: Protecte	d EAP (PEAP) redentials for this conne	Settings	

Click on Settings.

Uncheck "Validate server certificate" and "Enable Fast Reconnect".

Connecting: Validate server certificate	/
Validate server certificate	
Connect to these servers:	/
	/
usted Root Certification Authorities:	
AddTrust External CA Root	
Class 3 Public Primary Certification Authority	1
DigiCert High Assurance EV Root CA	
Entrust.net Certification Authority (2048)	
Entrust.net Secure Server Certification Authority	/
Equifax Secure Certificate Authority	
GlobalSign Root CA	
	•
t Authentication Method:	Configure
andle East Deserves at	*
Table Past Reconnect	
nforce Network Access Protection	
sconnect if server does not present cryptobinding	TLV
hable Identity Privacy	
	-
ОК	Cance

Click on the Configure button and uncheck the setting below. Click OK twice.



On the UD_WiFi connection Properties of this window, click on Advanced settings (Vista users will not see a button for Advanced settings and can skip this step).

onnection Security	
Security type:	WPA2-Enterprise
Encryption type:	AES
Microsoft: Protecte	d EAP (PEAP)
Microsoft: Protecte	d EAP (PEAP) Settings redentials for this connection each
Microsoft: Protecte	d EAP (PEAP) Settings redentials for this connection each on gs
Microsoft: Protecte	d EAP (PEAP) Settings redentials for this connection each on gs

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 netw	ork
Perform immediately before us	er logon
Perform immediately after use	r logon
Maximum delay (seconds):	10 *
Allow additional dialogs to be o sign on	displayed during single.
This network uses separate vir and user authentication	tual LANs for machine
	APR

Choose the settings as you see below.

Click OK and close all open dialogue boxes.

View wireless network connections (Start > Control Panel > Connect to the Internet > Wireless OR click on the wireless icon in the system tray). Click on UD_WiFi and click on "Connect".

Currently connected to:	+7
UD_WiFi Internet access	
Wireless Network Connection	*
UD_WiFi	
UD_Guest	Itee
Apperson-Ed	Iter.
UDWREG	3 M
Open Network and Sharing Co	enter

Enter your network username and password and click OK.

Network /	Authentication
Please enter	user credentials
	User name
	Password
	Animalian State