

Configuring Windows 10 wireless profile to use certificate

Create a new wireless SSID for this secure connection, in this case EAP-TLS.

1. On Windows 10, got to Control Panel > Network and Sharing Center > Set up a new connection or network > Manually connect to a wireless network. Enter a Network name and set Security type to WPA2-Enterprise. The Encryption type is set to AES.

← 📴 Manually connect to	a wireless network				×
Enter information	for the wireless network	c you want to add			
Network name:	EAP-TLS				
Security type:	WPA2-Enterprise	\sim			
Encryption type:	AES	\sim			
Security Key:		Hide charac	ters		
🗹 Start this connect	ion automatically				
Connect even if t Warning: If you s	he network is not broadcasting elect this option, your comput	er's privacy might be at risl	ς.		
			Next	Can	cel

2. Once created, you have the option to modify the wireless connection. Select **Change connection settings**.





 Manually connect to a wireless network 	_		×
Successfully added EAP-TLS			
→ Change connection settings Open the connection properties so that I can change the settings.			
		Clo	ose

3. In the Security tab, set Choose a network authentication method to Microsoft: Smart card or other certificates, and select Settings.





EAP-TLS Wireless Network Properties 🛛 🗙			
Connection Security			
Security type:	WPA2-Enterprise	~	
Encryption type:	AES	\sim	
Choose a network aut	hentication method:		
Microsoft: Smart Card or other certificat $ \sim $ Settings			
Remember my credentials for this connection each			
une in logged on			
Odvanced settings			
Advanced seconds			
		OK Cancel	

4. Enable both Use a certificate on this computer and Use simple certificate selection.

Note that, for simplification purposes, **Verify the server's identity by validating the certificate** has been disabled. However EAP--TLS allows the client to validate the server as well as the server validate the client. To enable this, you will need to import the CA from to the Windows 10 computer and make sure that it is enabled as a Trusted Root Certification Authority.

Select **OK** for all dialog windows to confirm all settings. The configuration for the Windows 10 computer has been completed and the user should be able to authenticate to WiFi via the certificate without using their username and password.



Smart Card or other Certificate Properties	×			
When connecting: O Use my smart card Advanced Image: Structure on this computer Advanced Use simple certificate selection (Recommended) Image: Structure on the selection (Recommended)				
Verify the server's identity by validating the certificate				
Connect to these servers (examples:srv1;srv2;:*\.srv3\.com):				
Trusted Root Certification Authorities:				
AddTrust External CA Root Baltimore CyberTrust Root Certum CA	^			
Certum Trusted Network CA				
Class 3 Public Primary Certification Authority				
DigiCert Assured ID Root CA				
C DigiLett Global Root LA	> ×			
	View Certificate			
 Don't prompt user to authorize new server authorities. 	s or trusted certification			
Use a different user name for the connection				
	OK Cancel			

