



## Integrated Information Technology Services (IITS)

DIY Guide Connect to eduroam Wireless Network On Windows OS



## **<u>Configuring Notebooks to Access Internet via "eduroam"</u>**

1. On your lower right hand side of the screen right-click the Wi-Fi icon. Then choose "**Open Network** and Sharing Center".



2. On the Network and Sharing Center choose, "Setup a new connection or Network".

Change your networking settings			
۲	Set up a new connection or network Set up a wireless, broadband, dial-up, ad hoc, or VPN connection; or set up a router or access point.		
2	Connect to a network Connect or reconnect to a wireless, wired, dial-up, or VPN network connection.		
<b>R</b>	Choose homegroup and sharing options Access files and printers located on other network computers, or change sharing settings.		
	Troubleshoot problems Diagnose and repair network problems, or get troubleshooting information.		

3. Choose "Manually connect to wireless network" and click Next.





4. Follow the same settings as shown, and click Next.

S 😰 Manually connect to a wireless network						
Enter information for	Enter information for the wireless network you want to add					
N <u>e</u> twork name:	eduroam					
<u>S</u> ecurity type:	WPA2-Enterprise					
Enc <u>r</u> yption type:	AES 🔹					
Se <u>c</u> urity Key:	Hide characters					
<ul> <li>Start this connection automatically</li> <li>Connect even if the network is not broadcasting</li> <li>Warning: If you select this option, your computer's privacy might be at risk.</li> </ul>						
	<u>N</u> ext Cancel					

5. Upon successful addition of the eduroam profile click, "Change connection settings".

Successfully added eduroam

Change connection settings Open the connection properties so that I can change the settings.
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6. On the eduroam Wireless Properties make sure you have checked the "**Remember my credentials** for this connection each time I'm logged on".

eduroam Wireless Ne	twork Properties	×
Connection Security		
Security type: Encryption type:	WPA2-Enterprise   AES	
Choose a network au Microsoft: Protected W Remember my cre time I'm logged or	thentication method: IEAP (PEAP)	
Advanced settings	3	
	OK Ca	ncel



7. Click Settings. Uncheck, "Validate server certificate".

Protected EAP Properties
When connectina:
Validate server certificate
Connect to these servers:
Trusted Root Certification Authorities:
AddTrust External CA Root
Baltimore CyberTrust Root
Class 3 Public Primary Certification Authority
Class 3 Public Primary Certification Authority
DigiCert High Assurance EV Root CA
Entrust.net Certification Authority (2048)
Entrust.net Secure Server Certification Authority
4 III >>
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
OK Cancel

8. Click on Configure. Uncheck, "Automatically use my Windows logon name and password (and domain if any)". Click OK twice.

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



9. Click "Advance settings". At the "802.1x settings" tab, put a check on- "Specify authentication mode". Then choose, "User Authentication".

Advanced settings
802.1X settings 802.11 settings
Specify authentication mode:
User authentication     Save credentials
Delete credentials for all users
Enable single sign on for this network
Perform immediately before user logon
<ul> <li>Perform immediately after user logon</li> </ul>
Maximum delay (seconds):
✓ Allow additional dialogs to be displayed during single sign on
This network uses separate virtual LANs for machine and user authentication
OK Cancel

10. Click "**Save credentials**", key-in your SMU email address and password, then click **OK** all the way and you should be able to connect to the **eduroam** network.

Windows Security
Save credentials Saving your credentials allows your computer to connect to the network when you're not logged on (for example, to download updates).
@smu.edu.sg
OK Cancel