NTUSECURE for Windows 10 Clients

1

When near a wireless access area, click on the network icon highlighted in red circle below.



Click on "Network & Internet Settings", under "Status", go to "Network and Sharing Center".





Proceed with "Setup a new connection or network".

🛧 👱 > Control F	anel > All Control Panel Items > Network	and Sharing Center	~ č
Control Panel Home	View your basic network inform	nation and set up connections	
	View your active networks		
Change adapter settings			
Change advanced sharing	main.ntu.edu.sg	Access type: Internet	
settings	Domain network	Connections: 🏺 Ethernet	
	Change your networking settings		
	🛬 Set up a new connection or ne	twork	
	🥣 Set up a broadband, dial-up, o	r VPN connection; or set up a router or access point.	
	Troubleshoot problems		
	Diagnose and repair network	roblems, or get troubleshooting information.	

Click on "Manually connect to a wireless network".

<u>a</u>	Connect to the Internet	
	set up a broadband or dial-up connection to the Internet.	
1	et up a new network	
	et up a new router or access point.	
	Manually connect to a wireless network	
	Connect to a hidden network or create a new wireless profile.	
	Connect to a workplace	
	et up a dial-up or VPN connection to your workplace.	



Populate the fields for Network Name as "NTUSECURE" and Security Type as "WPA2-Enterprise". Check the box for "Start this connection automatically". Proceed to click on "Next".

Enter information	for the wireless networ	rk you want to add	
Network name:	NTUSECURE		
Security type:	WPA2-Enterprise	~	
Encryption type:	AES		
Security Key:		Hide characters	
Start this connec	tion automatically		
Connect even if	the network is not broadcastin	ng	
Warning: If you	select this option, your compu	uter's privacy might be at risk.	

Click on "Change connection settings".

Manually connect to a wireless network		
Successfully added NTUSECURE		
→ Change connection settings Open the connection properties so that I can change the settings.		



Under Connection tab for NTUSECURE, check the box for "Connect automatically when this network is in range".

NTUSECURE	Wireless I	Vetwork Properties		×
Connection	Security			
Name:		NTUSECURE		
SSID:		NTUSECURE		
Network t	ype:	Access point		
Network a	vailability:	All users		
⊡ Conne	ct automati	cally when this network is	in range	
(SSID)				

Under the Security tab, ensure "Microsoft PEAP" is selected for the authentication method and check the box "Remember my credentials for this connection each time I'm logged on".

Connection Security		
Security type:	WPA2-Enterprise	\sim
Encryption type:	AES	~
Choose a network a	uthentication method:	
	1	
Remember my cr	edentials for this connect	Settings on each
Remember my a time I'm logged a	d EAP (PEAP) redentials for this connect m	Settings on each
Microsoft: Protecte Remember my cr time I'm logged c	d EAP (PEAP) edentials for this connect in	Settings on each

Click on "Settings", make sure uncheck the box "Verify the server identity by validating the certificate".

	dentity by validating the cer	tificate
Connect to these s	ervers (examples:srv1;srv2	;,*\.srv3\.com):
Trusted Root Certifica	tion Authorities;	
DigiCert Assured I	D Root CA	^
DigiCert Global Ro	ot CA	
DigiCert Global Ro	ot G2	
DigiCert High Assu	irance EV Root CA	
DigiCert High Assu	irance EV Root CA	
Entrust Poot Certi	fication Authority	
<	incodori Addiority	>
Notifications before cor	nnecting:	
Tell user if the server i	name or root certificate isn'i	specified \sim
lect Authentication Me	thod:	
ecured password (EAP	-MSCHAP v2)	 Configure.
Enable Fast Reconne	ct	240
]Disconnect if server d	loes not present cryptobind	ing TLV
In-LI-TI-RE DO	-v	



Under "Select Authentication Method", click on "Configure". For machines joined to the domain, check the "Automatically use my Windows logon name & password (and domain if any)", otherwise uncheck this option for non-domain devices and click "OK".



Proceed to click on "NTUSECURE" under the wireless SSID connection screen.



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For machine not join to domain, supply the domain, username & password when prompt for login credentials.

Windows Security	
Sign in	
STAFF\XXXXX	
Password	
Domain: STAFF	
OK	Cancol
UK	Cancer

When successfully connected to "NTUSECURE", the below display should be seen.

(la	NTUSE Conne <u>Prope</u>	CURE cted, sec r <u>ties</u>	cured					
					8	Discon	nect	
(h.	eduroa Secure	im d						
°a	NTUW Open	L						
~	ADDI F							
<u>Netv</u> Chang	vork & l ge setting	nternet s, such as	settin making	g <u>s</u> i a coi	nnectio	on met	ered.	
II. NTUSE	CURE	ා Airplane	mode	((j) Mob hotsj	ile oot			
			~ 🍋	4 0)	ENG	10:08	AM	Ş



To remove the NTUSECURE profile, from step 1, click on "Network & Internet Settings", under "Wi-Fi", click on "Manage known networks".

Settings	
命 Home	Wi-Fi
Find a setting	۶ Wi-Fi
Network & Internet	0n
A Status	Show available networks
⊊⊭ Status	Hardware properties
// Wi-Fi	Manage known networks
문 Ethernet	Hotspot 2.0 networks
🗟 Dial-up	Hotspot 2.0 networks might be available in certain public places,
% VPN	ince an ports, noters, and cares.
Aimlane mode	Let me use Online Sign-Up to get connected
	On On
(မှ) Mobile hotspot	When this is turned on, you can see a list of network providers for Online Sign-Up after you choose a Hotspot 2.0 network.
🕑 Data usage	

Click on "NTUSECURE" and "Forget", repeat step 1 to 7 to re-enter any changes to the profile settings.

-	Settings		
	Wi-Fi		
Mai	nage known networks		
+	Add a new network		
Se	earch this list	Q	
Sort	t by: Preference \checkmark Filter by:	All \sim	
(7.	NTUSECURE		
		40 57	



An alternative express setup is available for advance user. A profile can be imported into the host machine by copying the <u>attached file</u> and executing the below from command prompt:

netsh wlan add profile filename="Wi-Fi-NTUSECURE.xml"

C:\Windows\system32>netsh wlan add profile filename="Wi-Fi-NTUSECURE.xml" Profile NTUSECURE is added on interface Wi-Fi.

For machine joined to domain, use this <u>attached profile</u> and command to issue is:

netsh wlan add profile filename="Wi-Fi-NTUSECURE-domain.xml"

C:\Windows\System32>netsh wlan add profile filename="Wi-Fi-NTUSECURE-domain.xml" Profile NTUSECURE is added on interface Wi-Fi.

With the authentication & encryption settings imported from the xml file, one only need to supply the login credentials when prompt in step 7 to complete the setup.

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