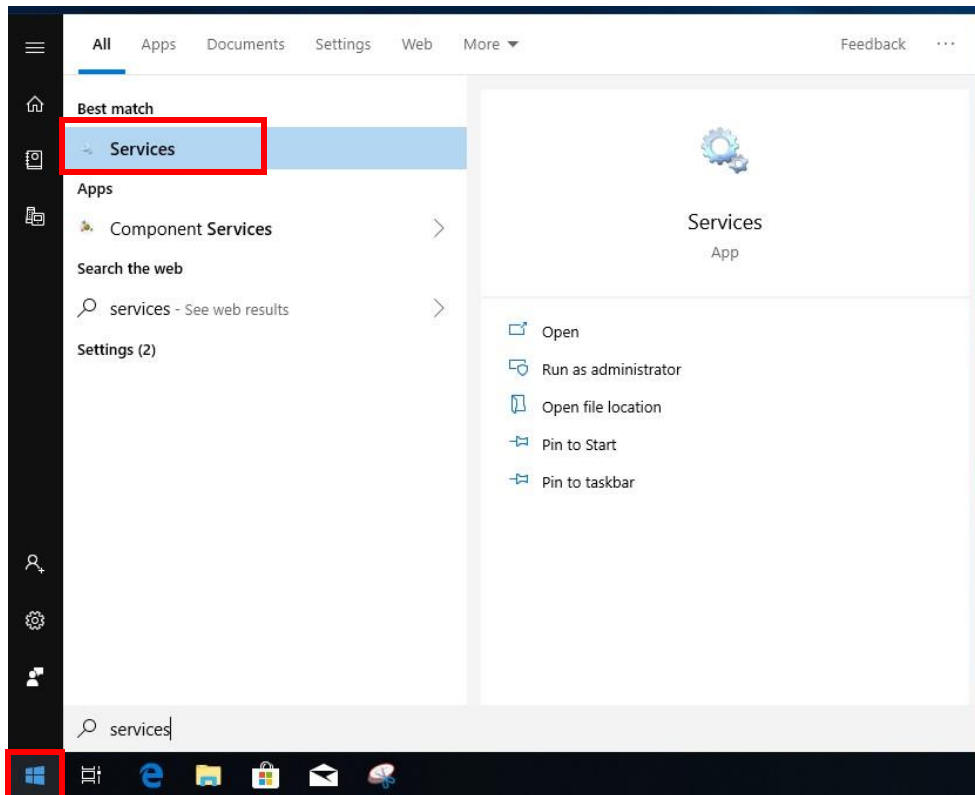
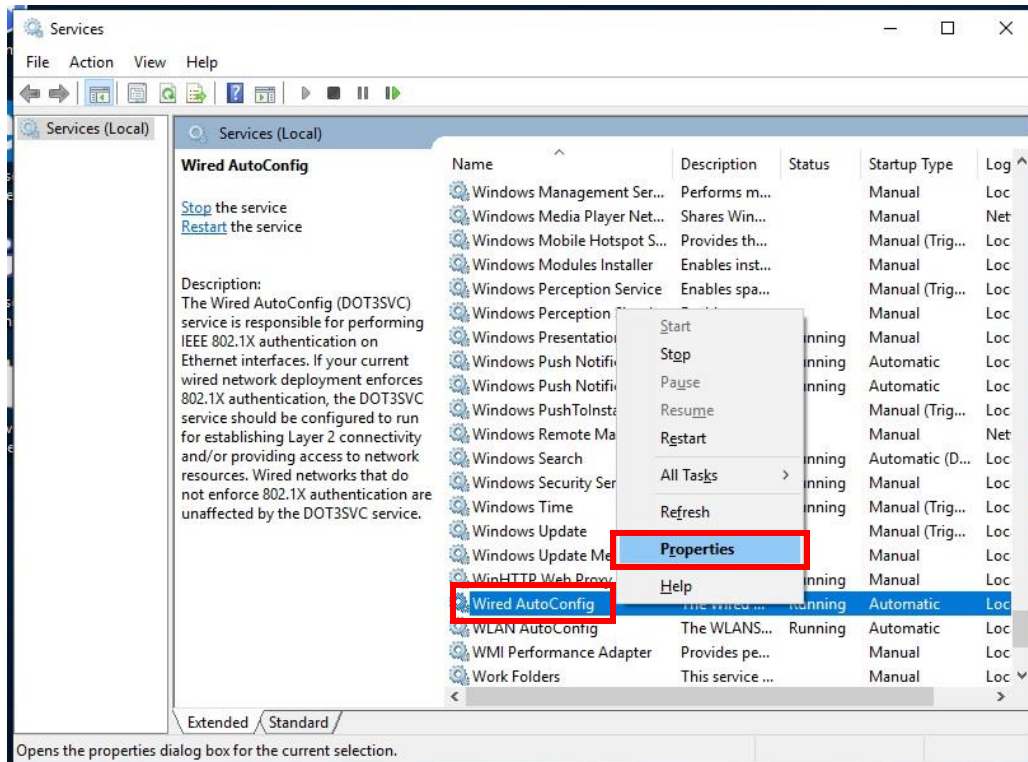


## **[BYOD] Windows 10 802.1x Network Adapter Settings**

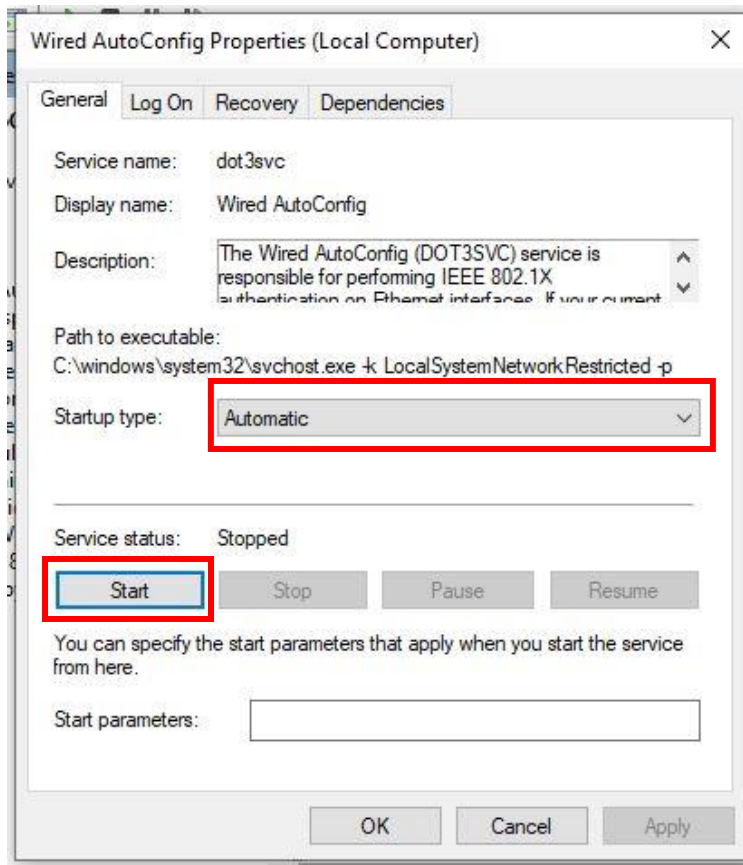
1. Go to **Windows 10 Start Menu**, type “**Services**” and open it.



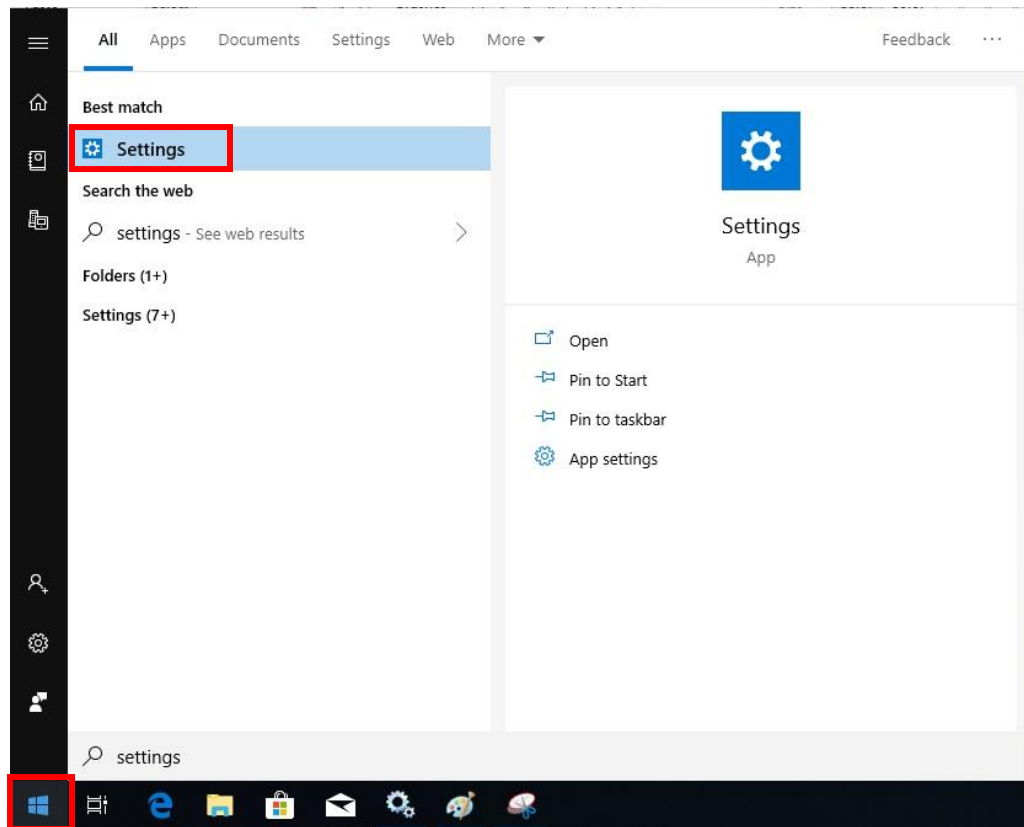
2. “Services” window will be displayed. Right click on “Wired AutoConfig” and click “Properties” from pop up menu.



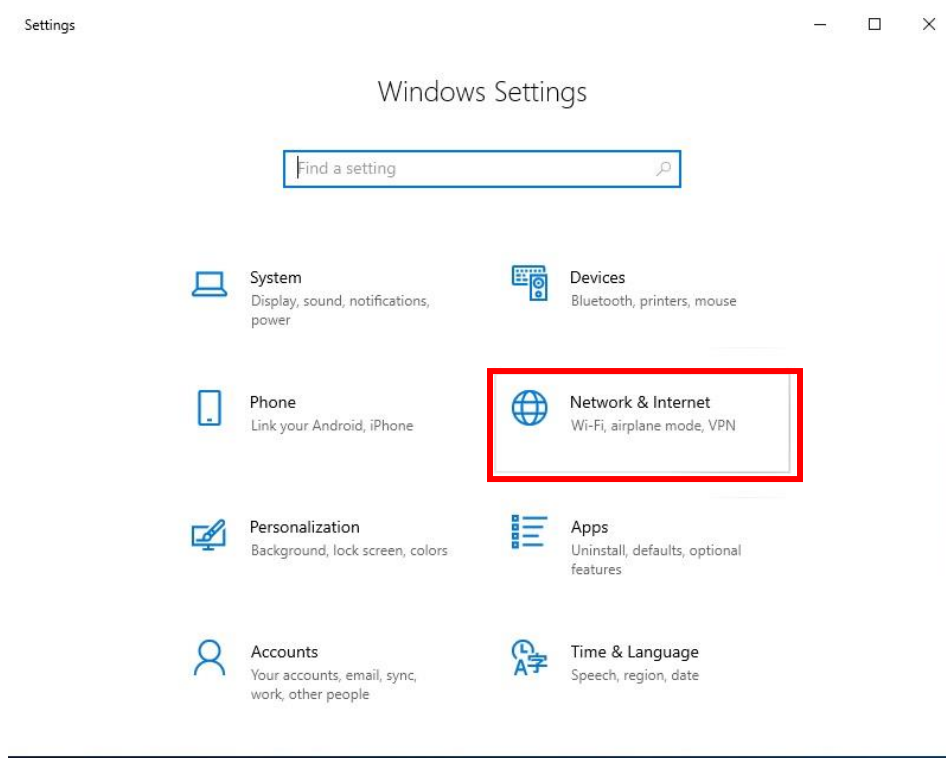
3. “Wired AutoConfig Properties” window will be displayed. Change “Startup type” to “Automatic” and click “Start” to enable 802.1x service. Then, click “OK”.



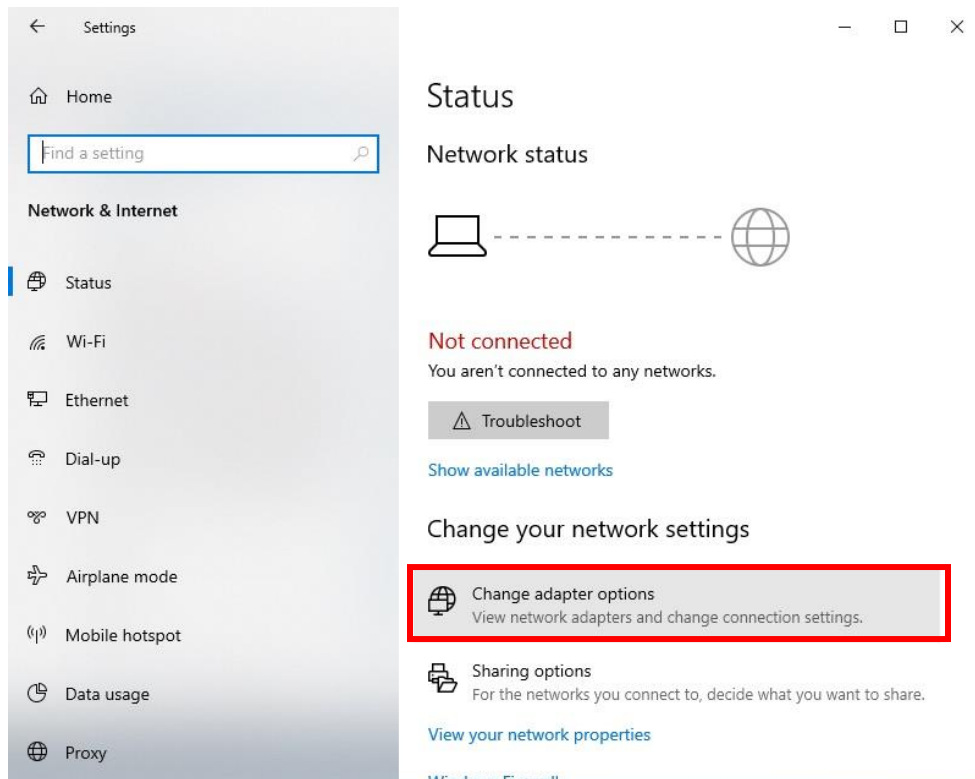
4. Go to **Windows 10 Start Menu**, type “**Settings**” and open it.



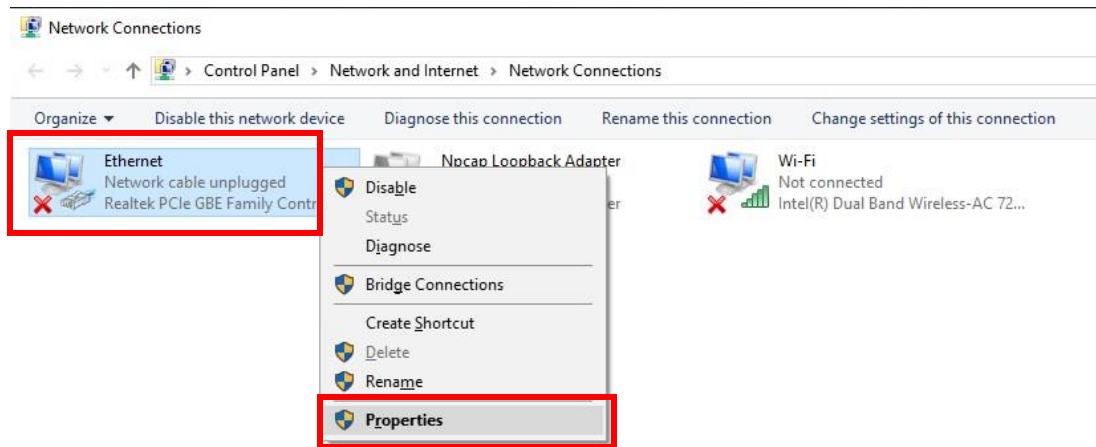
5. “**Windows Settings**” window will be displayed and click “**Network & Internet**”.



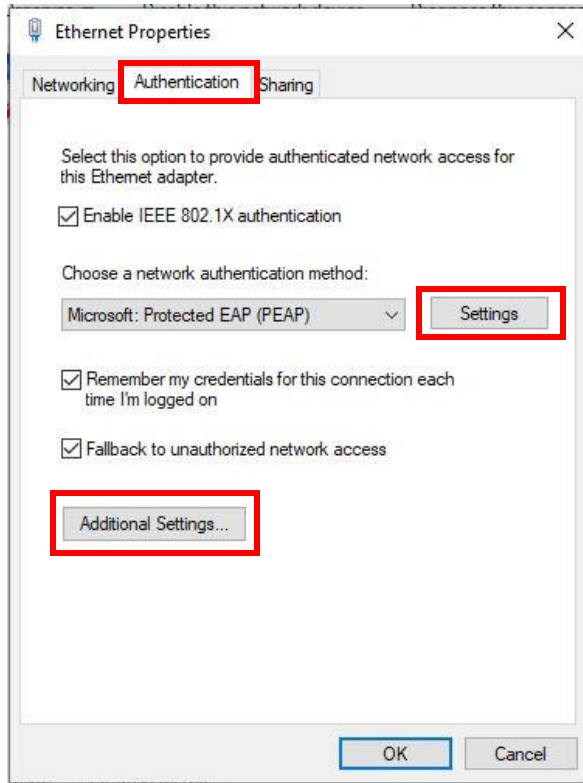
6. Next, click **“Change adapter options”**.



7. “Network and Connections” window will be displayed. Right click on correct wired network adapter and click “**Properties**” from pop up menu.

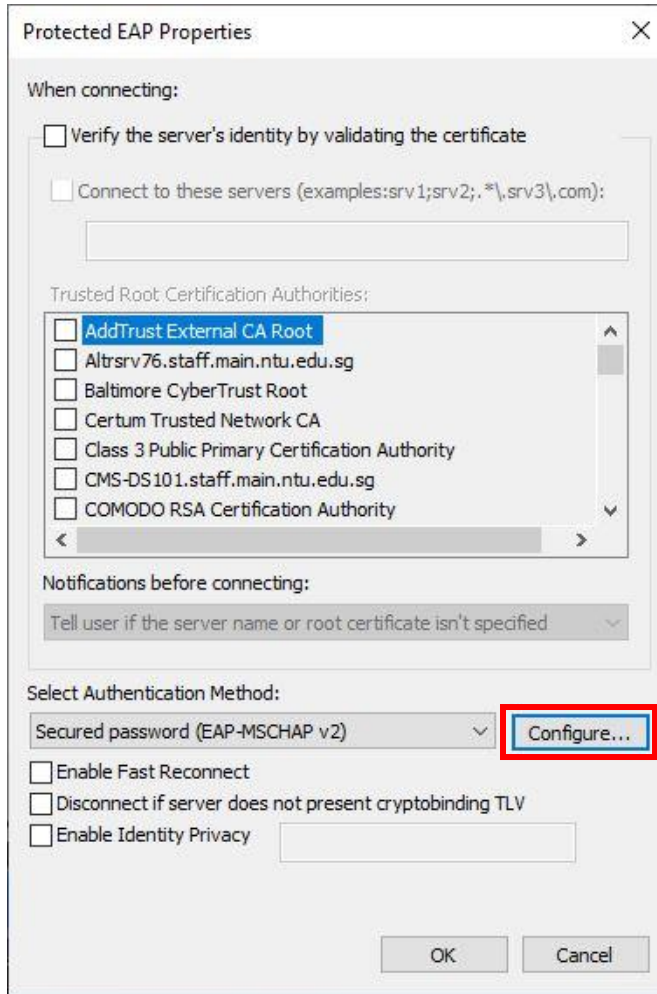


8. “Ethernet Properties” window will be displayed and click “Authentication” tab.  
Tick “Enable IEEE 802.1x authentication”, “Remember my credentials for this connection each time I’m logged on”, and “Fallback to unauthorized network access”.  
Change network authentication method to “Microsoft: Protected EAP (PEAP)”.  
Next, click “Settings”.





9. “Protected EAP Properties” window will be displayed.  
Uncheck “Verify the server’s identity by validating the certificate”, “Enable Fast Reconnect”, “Disconnect if server does not present cryptobinding TLV”, and “Enable Identity Privacy”.  
Select “Secure password (EAP-MSCHAP v2)” as authentication method.  
Next, click “Configure”.



Protected EAP Properties

When connecting:

☐ 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
- ☐ Altrsrv76.staff.main.ntu.edu.sg
- ☐ Baltimore CyberTrust Root
- ☐ Certum Trusted Network CA
- ☐ Class 3 Public Primary Certification Authority
- ☐ CMS-DS101.staff.main.ntu.edu.sg
- ☐ COMODO RSA Certification Authority

Notifications before connecting:

Tell user if the server name or root certificate isn't specified

Select Authentication Method:

Secured password (EAP-MSCHAP v2) **Configure...**

☐ Enable Fast Reconnect

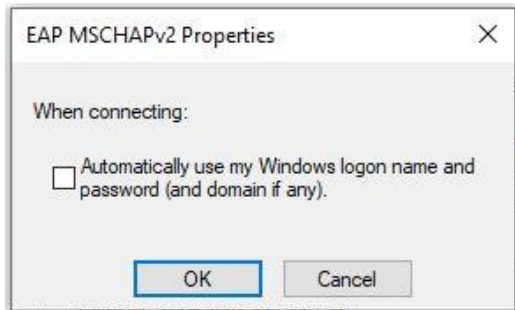
☐ Disconnect if server does not present cryptobinding TLV

☐ Enable Identity Privacy

OK Cancel

10. “EAP MSCHAPv2 Properties” window will be displayed.

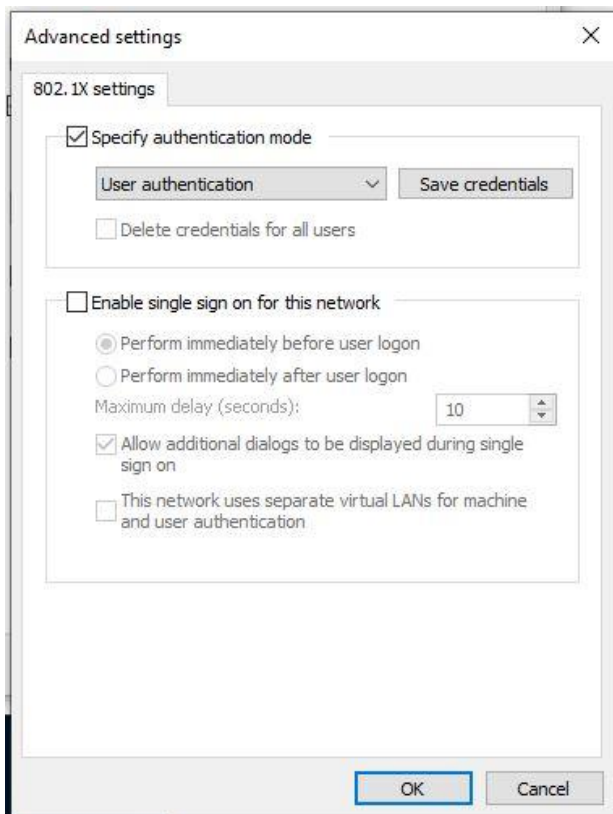
Uncheck “Automatically use my Windows logon name and password (and domain if any)” and click “OK”.



11. Go back to “Ethernet Properties” window and click “Advanced Settings”.

“Advanced Settings” window will be displayed.

Check “Specify authentication mode” and select “User authentication” from drop down menu. Next, click “OK”.

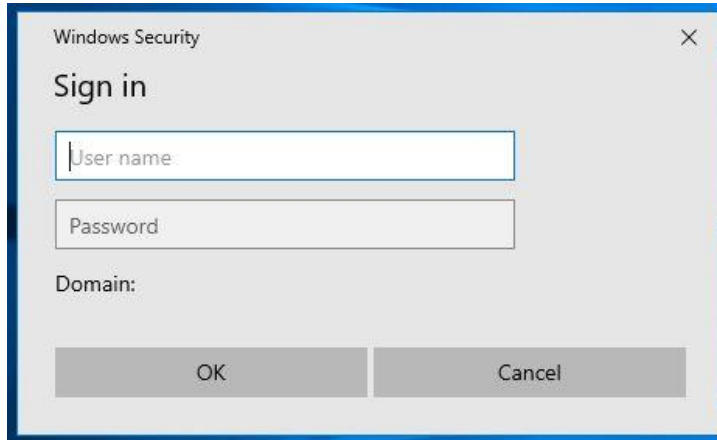


12. Connect endpoint device to network point. 802.1x login window will be prompted and ask for login credentials.

For staff user group, enter “**STAFF\**” following by username and password. Then, click “**OK**”.

For student user group, enter “**STUDENT\**” following by correct username and password. Then, click “**OK**”.

For assoc user group, enter “**ASSOC\**” following by correct username and password. Then, click “**OK**”.



A screenshot of a Windows Security 'Sign in' dialog box. The window has a title bar with 'Windows Security' and a close button. The main text is 'Sign in'. Below it are two input fields: 'User name' and 'Password'. Below the password field is a 'Domain:' label. At the bottom are two buttons: 'OK' and 'Cancel'.