



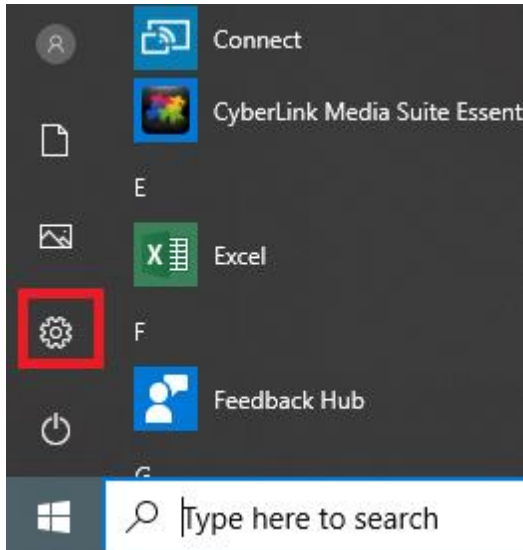
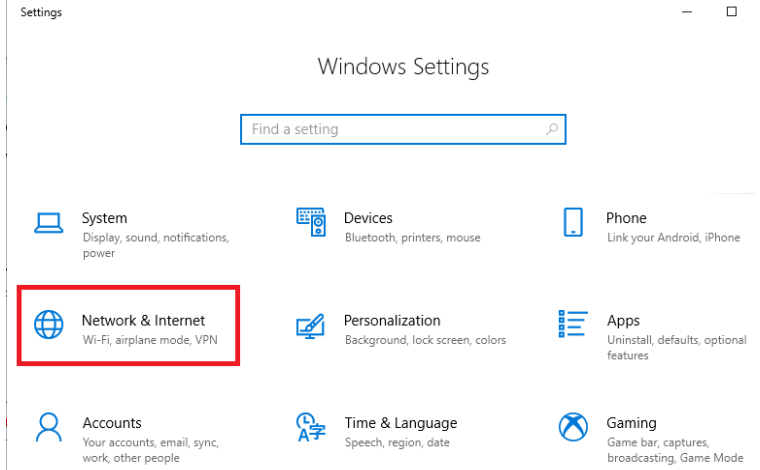
Connect to CUHK VPN on a Windows PC / Notebook

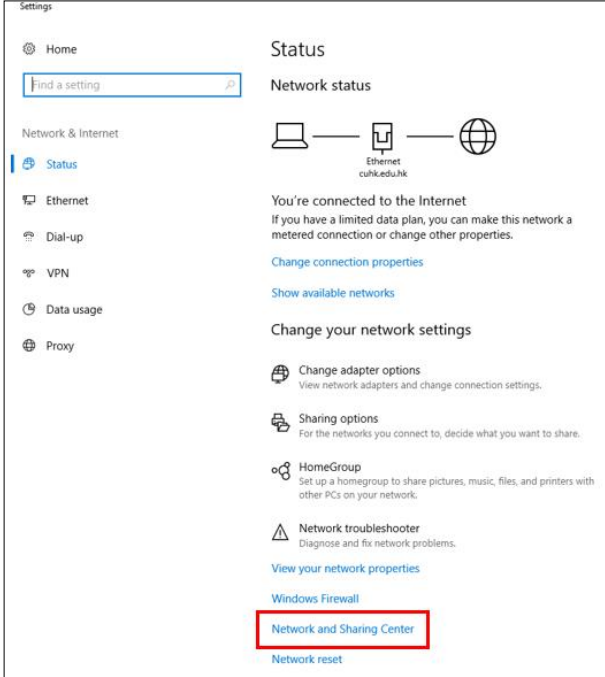
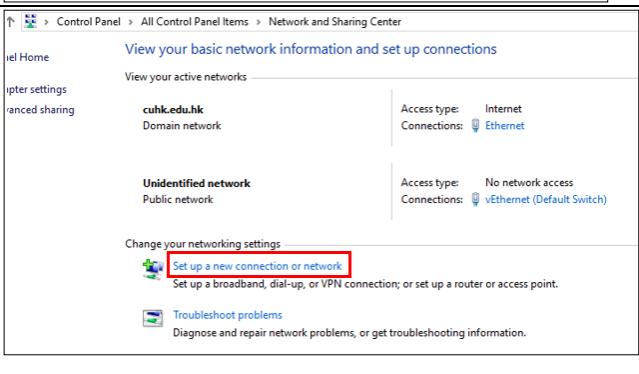
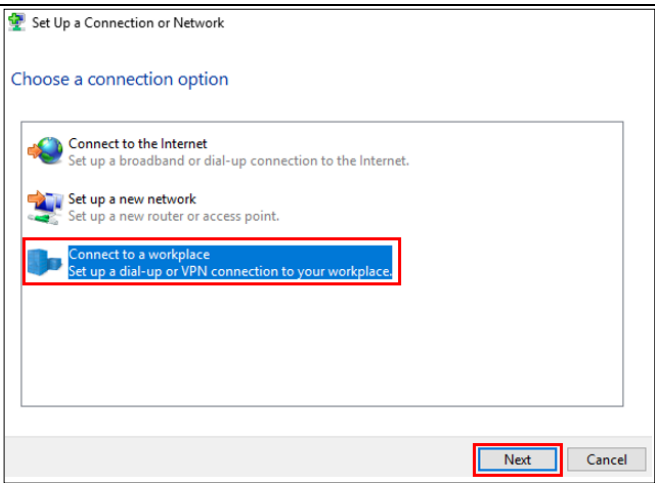
(This user guide suits Windows 10 the best and is applicable to Windows 8.1 with slight difference.)

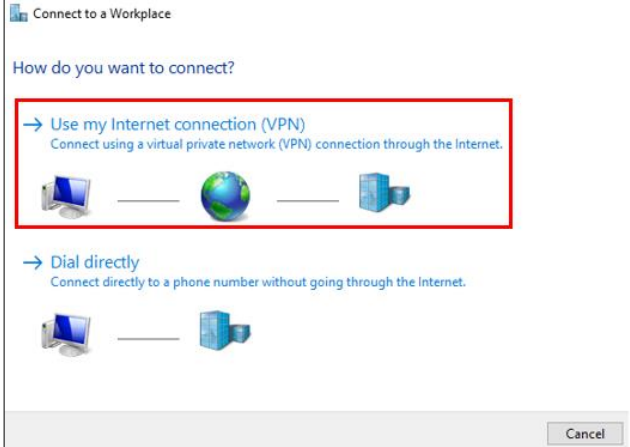
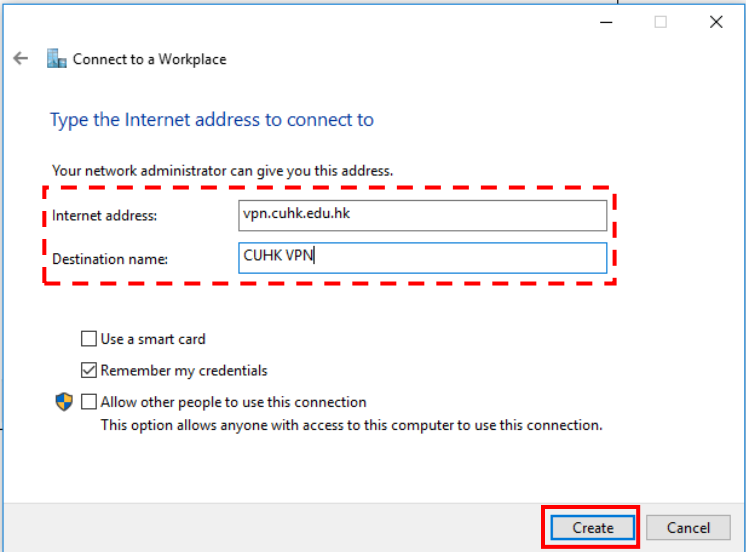
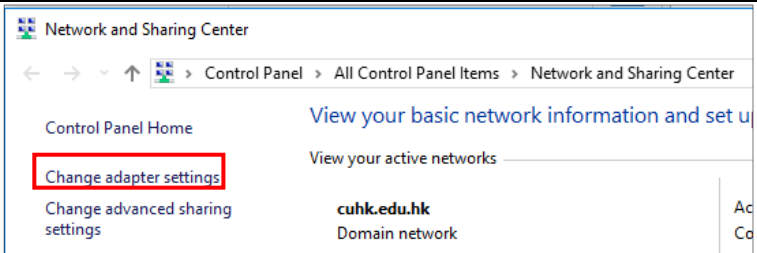
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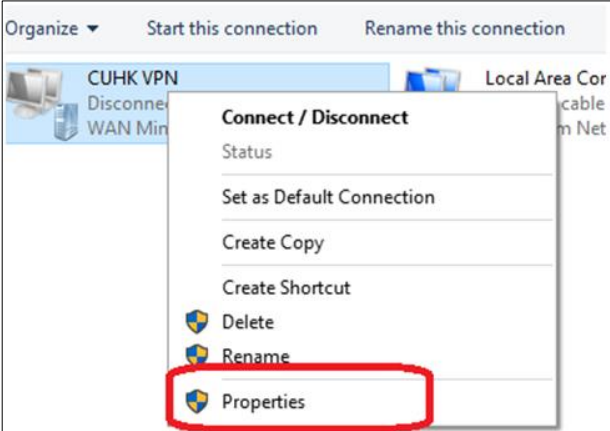
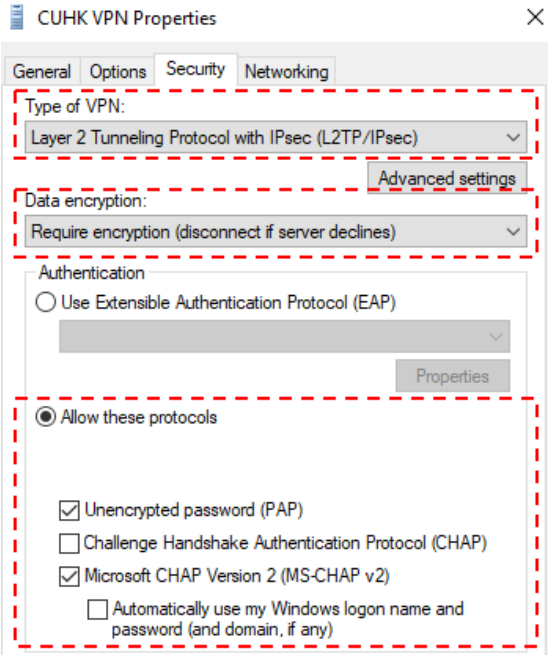
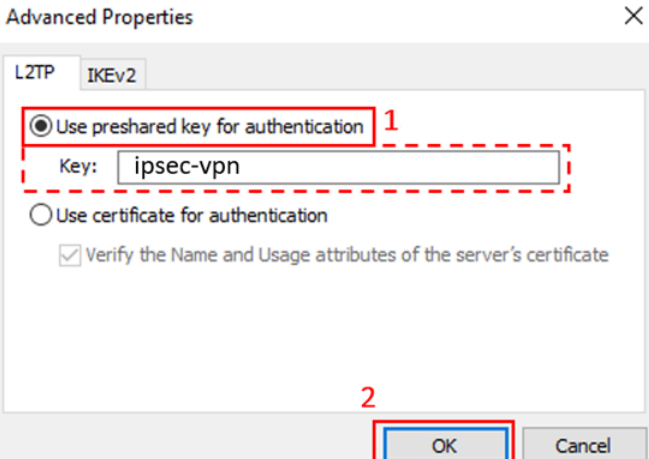
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A. Configure VPN connection

<p>1. Click Window Start  button, then click the Settings  icon.</p>	
<p>2. Click Network & Internet.</p>	

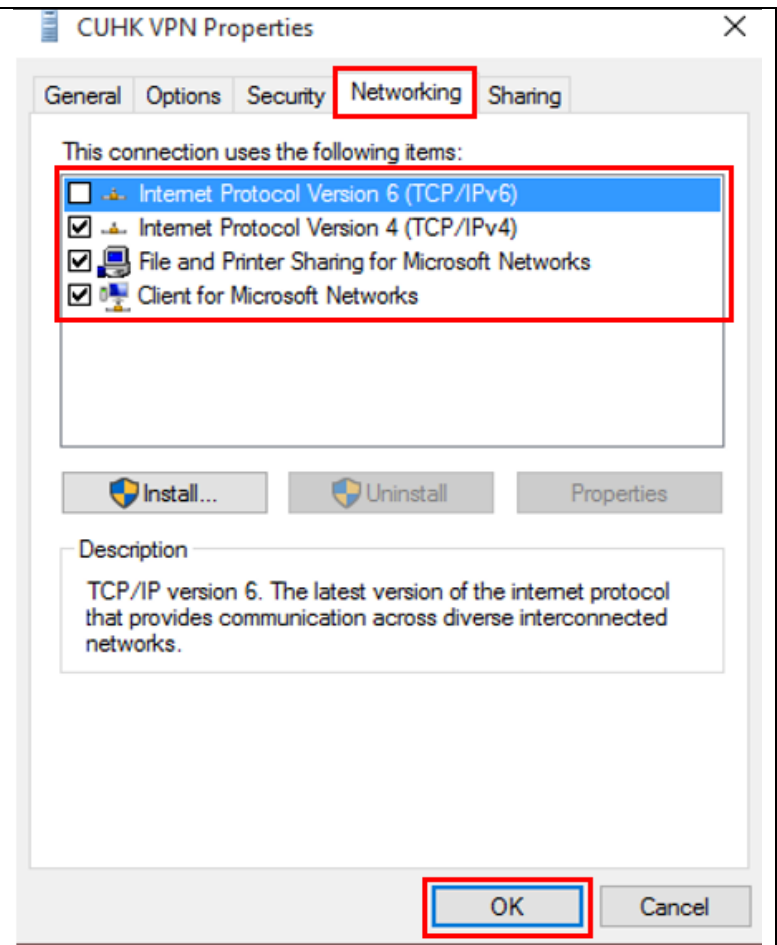
<p>3. Choose Network and Sharing Center</p>	 <p>The screenshot shows the Windows Settings application, specifically the 'Network & Internet' section under 'Status'. The left sidebar lists various network-related settings. The main content area shows the current network status, which is 'Ethernet' with the address 'cuhk.edu.hk'. Below this, there are several options to change network settings, including 'Change adapter options', 'Sharing options', 'HomeGroup', 'Network troubleshooter', 'Windows Firewall', and 'Network and Sharing Center'. The 'Network and Sharing Center' link is highlighted with a red rectangular box.</p>
<p>4. In Network and Sharing Centre, choose Set up a new connection or network.</p>	 <p>The screenshot shows the Windows Network and Sharing Center. The breadcrumb path at the top is 'Control Panel > All Control Panel Items > Network and Sharing Center'. The main heading is 'View your basic network information and set up connections'. Below this, there are sections for 'View your active networks' (showing 'cuhk.edu.hk' and 'Unidentified network') and 'Change your networking settings'. The 'Set up a new connection or network' link is highlighted with a red rectangular box.</p>
<p>5. Choose Connect to a workplace and click Next.</p>	 <p>The screenshot shows the 'Set Up a Connection or Network' wizard. The main heading is 'Choose a connection option'. There are three options listed: 'Connect to the Internet', 'Set up a new network', and 'Connect to a workplace'. The 'Connect to a workplace' option is highlighted with a blue selection bar and a red rectangular box. At the bottom right of the wizard, the 'Next' button is also highlighted with a red rectangular box.</p>

<p>6. Choose Use my Internet connection (VPN).</p>	 <p>Connect to a Workplace</p> <p>How do you want to connect?</p> <p>→ Use my Internet connection (VPN) Connect using a virtual private network (VPN) connection through the Internet.</p> <p>→ Dial directly Connect directly to a phone number without going through the Internet.</p> <p>Cancel</p>
<p>7. Enter the following information: Internet address: "vpn.cuhk.edu.hk" Destination name: "CUHK VPN"</p> <p>Then click Create.</p>	 <p>Connect to a Workplace</p> <p>Type the Internet address to connect to</p> <p>Your network administrator can give you this address.</p> <p>Internet address: vpn.cuhk.edu.hk</p> <p>Destination name: CUHK VPN</p> <p><input type="checkbox"/> Use a smart card</p> <p><input checked="" type="checkbox"/> Remember my credentials</p> <p><input type="checkbox"/> Allow other people to use this connection This option allows anyone with access to this computer to use this connection.</p> <p>Create Cancel</p>
<p>8. In Network and Sharing Centre, click Change adapter settings.</p>	 <p>Network and Sharing Center</p> <p>Control Panel > All Control Panel Items > Network and Sharing Center</p> <p>Control Panel Home</p> <p>View your basic network information and set up</p> <p>View your active networks</p> <p>Change adapter settings</p> <p>Change advanced sharing settings</p> <p>cuhk.edu.hk Domain network</p> <p>Ac Co</p>

<p>9. In the newly opened window, right click CUHK VPN. Click Properties in the pop-up menu.</p>	
<p>10. Under the Security tab,</p> <ul style="list-style-type: none"> Type of VPN: Layer 2 Tunneling Protocol with IPsec (L2TP/IPsec) Data encryption: Require encryption (disconnect if server declines) Authentication: Allow these protocols <ul style="list-style-type: none"> ✓ Unencrypted password (PAP) ✓ Microsoft CHAP Version 2 (MS-CHAP v2) 	
<p>11. Under Advanced Properties, select Use pre-shared key for authentication. Enter the key as “ipsec-vpn”.</p> <p>Click OK.</p>	



12. Under the **Networking** tab, uncheck the box next to **Internet Protocol Version 6 (TCP/IPv6)**.

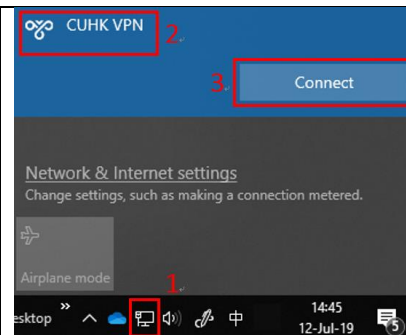
Click **OK** to complete the setup.



B. Connect to CUHK VPN

Make sure you are connected to the internet.

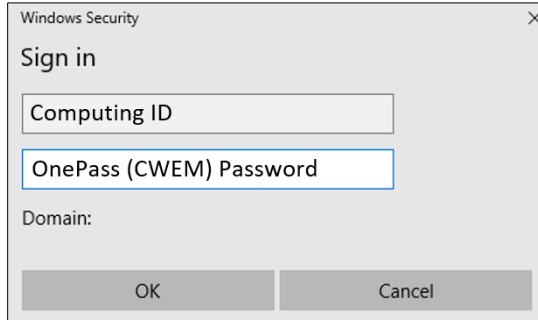
1. Right click the **Network icon**  or **WiFi icon**  from task bar, then select **CUHK VPN** and click **Connect**.



2. Login with your *Computing ID** and *OnePass(CWEM) Password*.

*Computing ID:

- s1155xxxxxx for students
- bxxxxxx for staff



(For Staff only) If you have enrolled your account to use DUO two-factor authentication, you need to provide the 2nd factor to log in. Please refer to step 3 below. If not, please directly go to step 4.

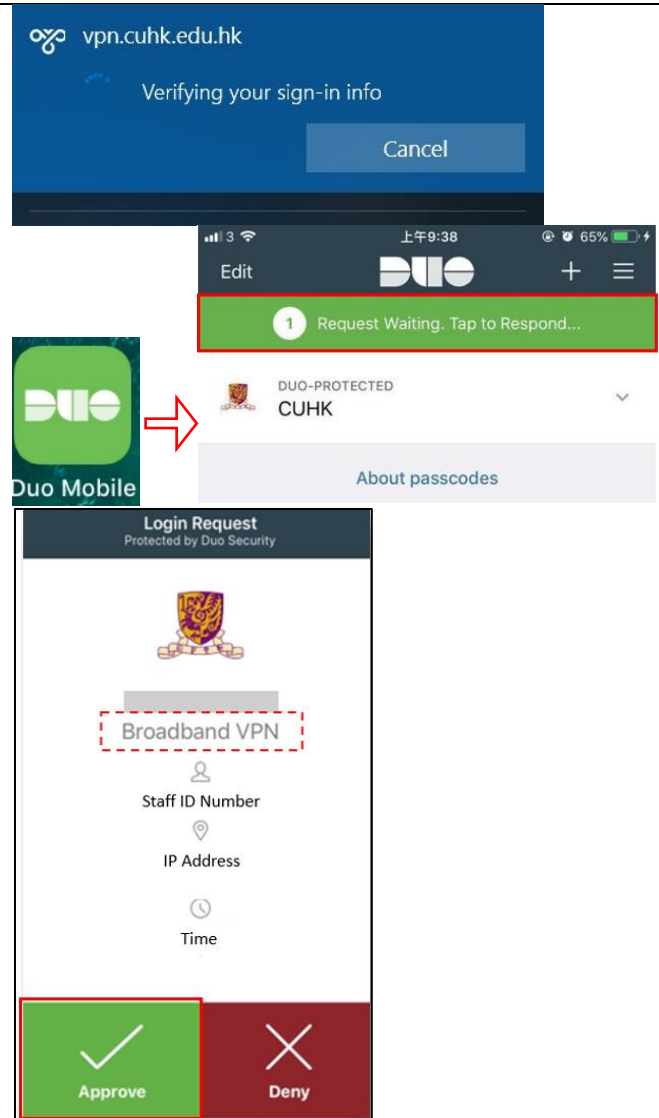
3A. For using DUO Push
The message “**Verifying your sign-in info**” will be shown after you sign in with your Computing ID and OnePass(CWEM) Password.

A notification will be popped out from DUO Mobile for your approval.

Otherwise, open the mobile app “**Duo Mobile**”

Click the **green bar “Request Waiting”** on the top and click **Approve**.

*If you do not see the bar, please check if you are connected to the internet and slide down to refresh the app.



3B. For Using DUO Passcode

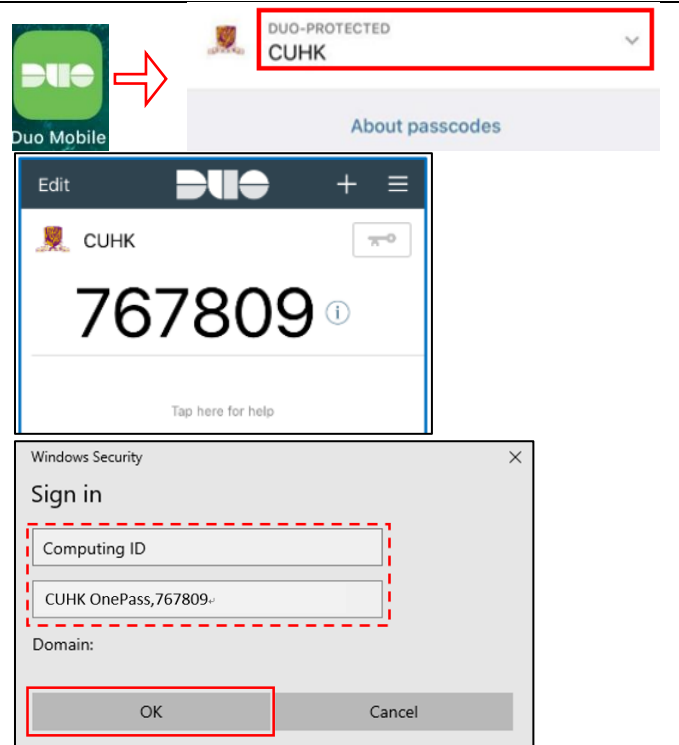
You can get the passcode from your DUO Mobile App. **Open the DUO Mobile App** on your mobile device, then **tap on the key icon** next to your account, a one-time passcode is generated.

Login with

- **Computing ID*
- *CUHK OnePass, Passcode*

***Computing ID:**
s1155xxxxxx for students
bxxxxxx for staff

Click **OK**, the VPN connection should be established successfully.



3C. For Using DUO Bypass Code

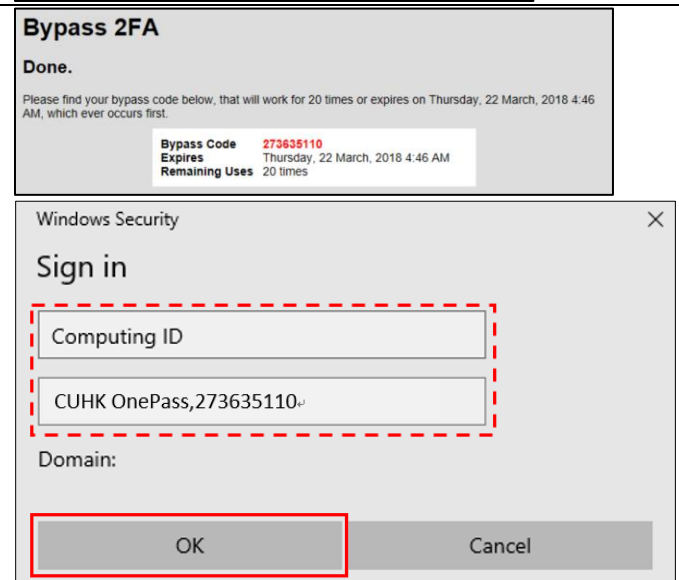
In case you have problem with your mobile (e.g. forgot to bring, malfunction, lost or stolen) and cannot provide the 2nd factor for VPN connection, you can generate a temporary DUO Bypass Code by yourself via DUO Self-Service Portal at <https://duo.itsc.cuhk.edu.hk>.

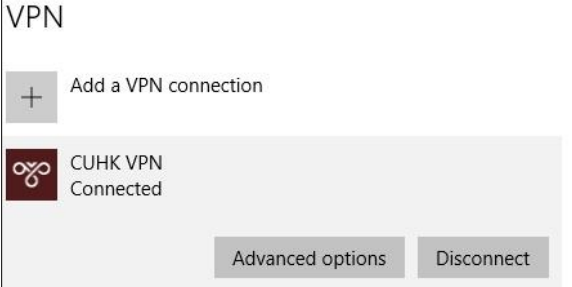
Login with

- **Computing ID*
- *CUHK OnePass, 273635110*



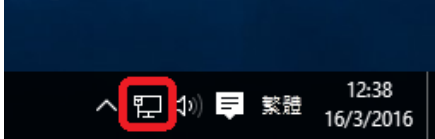

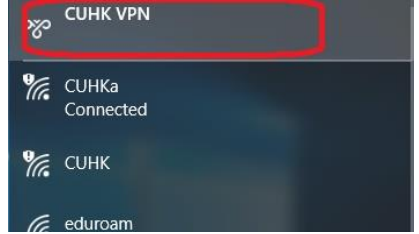
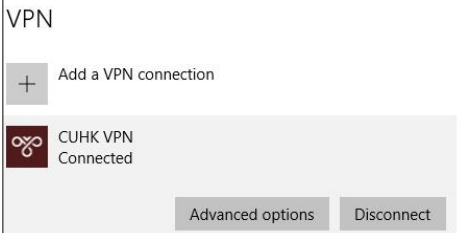
***Computing ID:**
s1155xxxxxx for students
bxxxxxx for staff

Click **OK**, the VPN connection should be established successfully.



<p>4. CUHK VPN is now connected</p> <p>NOTE: The maximum connection time is 8 hours with 1 hour idle time out. You can make the connection again when the session expires.</p>	
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C. Disconnect from CUHK VPN

<p>1. Right click the Network icon  or WiFi icon  from task bar.</p>	 <p>(if you are using a wired network)</p> <p>OR</p>  <p>(if you are using WiFi)</p>
<p>2. Click CUHK VPN.</p>	
<p>3. Click Disconnect to end your CUHK VPN connection.</p>	

Prepared by: User Support Services, Information Technology Services Centre

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