Windows 8.1 VPN Configuration

Instructions	Picture Guide
 Go to "Desktop", (right click on start and select desktop) then right click the wireless/network icon at bottom right. Click on the Network icon in the bottom right hand corner then click on "Open Network and Sharing Centre". 	Currently connected to: Internet access Open Network and Sharing Center EN Internet access 14:20 27/03/2020
Click "Set up a new connection or network".	Se alor Honestrop Network and laternet + Network and Sharing Center 1 Search Control Parel Control Panel Hone Change adapters strings Settings Set up our basic network information and set up connections Set ularup Settings Set up our diverse information and set up connections Set ularup We your basic networks Connect or disconnection Set ularup We your active networks Connections: Leturet Set ularup We your active networks Connections: Leturet Connections: Leturet We your active networks Connections: Connections: Leturet Connections: Leturet We your active networks Connection or network Set up a writeles, broadband, dial-up, or VPN network connection: Connect or setwork Connect or setwork Consce for respronze and sharing options Consce for respronze and sharing options Consce for setwork problems; or get troubleshooting information. Windows Firewall Troubleshoot problems Diagnose and repair network problems; or get troubleshooting information.

• Select "Connect to a workplace" and click	
"Next".	💮 🔮 Set Up a Connection or Network
Note: If you have other VPN or network	Choose a connection option
connections already configured you may be asked	Connect to the Internet
"Do you want to use a connection you already	Set up a wireless, broadband, or dial-up connection to the Internet.
have?". Click "No, I'll create a new connection"	Set up a new network Configure a new router or access point.
then Click Next.	Connect to a workplace
	Set up a dial-up or VPN connection to your workplace.
	Set up a dial-up connection Connect to the Internet using a dial-up connection.
	Next Cancel
Click "Use my Internet connection (VPN)".	Connect to a Workplace
	How do you want to connect?
	Use my Internet connection (VPN)
	Connect using a virtual private network (VPN) connection through the Internet.
	Dial directly Connect directly to a phone number without going through the Internet.
	👰 🦫
	What is a VPN connection?
	Cancel
 For "Internet address:" enter "remote.net.ed.ac.uk". 	Connect to a Workplace
For "Destination name:" enter e.g.	Type the Internet address to connect to
VFN@LU .	Your network administrator can give you this address.
	Internet address: remote.net.ed.ac.uk
	D <u>e</u> stination name: VPN@Ed
• Select "Don't connect now; just set it up so	
I can connect later". Leave the other boxes	Use a smart card
unchecked.	This option allows anyone with access to this computer to use this connection.
Click "Next".	Second connect now, just set it up so i can connect later
	Next Cancel

 For "User name:" enter your UUN. Leave all other fields blank. Click "Create". 	Connect to a Workplace
The VPN Connection is now complete but requires further configuration.	Create Cancel
• Click Close	The connection is ready to use
 The "Network and Sharing Window" should still be open, if not click on the Network icon in the bottom right hand corner then click on "Open Network and Sharing Centre". 	Organize < Start this connection Rename this connection > +2 Search Network Connections > Organize < Start this connection Rename this connection Delete this connection >
 Click on "Change adapter settings" on the left side of the window. 	Create Shortcut Delete Rename Properties
 Right-click the VPN adapter you have just configured e.g. "VPN@Ed" and select "Properties". 	

•	On the "VPN@Ed Properties" window click	VPN@Ed Properties
•	Untick "Include Windows logon domain"	General Options Security Networking Sharing
		Dialing options Image: Display progress while connecting Image: Prompt for name and password, certificate, etc. Image: Include Windows logon domain
		Redialing options Redial attempts: 3 Image: Image
		OK Cancel
•	Click the "Security" tab. For "Type of VPN" select "Layer 2 Tuppeling Protocol with	VPN@Ed Properties
		General Options Security Networking Sharing
	IPsec (L2TP/IPSec)".	Technical options in Internating Change
•	Click "Advanced settings".	Type of VPN:
•	IPsec (L2TP/IPSec)". Click "Advanced settings".	Type of VPN: Layer 2 Tunneling Protocol with IPsec (L2TP/IPSec)
•	Click "Advanced settings".	Type of VPN: Layer 2 Tunneling Protocol with IPsec (L2TP/IPSec) Advanced settings Data encryption: Page vice encounting (disconnect if server declines)
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•	IPsec (L2TP/IPSec)". Click "Advanced settings".	Iype of VPN: Layer 2 Tunneling Protocol with IPsec (L2TP/IPSec) Advanced settings Data encryption: Require encryption (disconnect if server declines) Authentication Use Extensible Authentication Protocol (EAP) Properties Image: Allow these protocols Unencrypted password (PAP) Challenge Handshake Authentication Protocol (CHAP) Microsoft CHAP Version 2 (MS-CHAP v2) Automatically use my Windows logon name and password (and domain, if any)

•	In the "Advanced Properties" window, select "Use preshared key for authentication" The PSK value to enter can be found here : https://www.edweb.ed.ac.uk/information- services/computing/desktop- personal/vpn/vpn-l2tp-clients/ipsec-pre- shared-key Click "OK". Back in the "VPN@Ed Properties" window, click "OK".	Advanced Properties	
•	Click on the Network icon in the bottom right hand corner then click on the connection you have just created – "VPN@Ed" Click Connect	Currently connected to: Internet access Dial-up and VPN VPN@Ed Connect	

 Enter your UUN and the password which you specified when you registered for the VPN service, then click "Connect". 	Connect VPN@Ed
The VPN connection will be initiated and your credentials validated	Connecting to VPN@Ed Verifying user name and password Cancel
You should now be connected to the University VPN service. • Click on the Network icon in the bottom right hand corner, the pop-up window should show the "VPN@Ed" connection with a status "Connected".	Currently connected to: Internet access Internet access VPN@Ed Internet access VPN@Ed Connected Image: Connected ima

Troubleshooting

If the instructions above do not result in a successful connection to the VPN service, please check that Windows services on your device are configured as described below.

- Go to "Start", then "Control Panel", then "System and Security", then "Administrative Tools".
- Double click "Services".
- In the "Services" window, scroll down the list to "IKE and AuthIP IPsec Keying Modules". Double click on this item.
- In the "IKE and AuthIP IPsec Keying Modules Properties" window, ensure "Startup type" is set to be "Automatic".
- If the "Service status" is not "Started", click "Start" to start the "IKE and AuthIP IPsec Keying Modules" service.
- Click "OK".
- Now back in the "Services" window, double click on "IPsec Policy Agent".
- Repeat the same process as for the "IKE and AuthIP IPsec Keying Modules", ensuring the "Startup type" is set to be "Automatic" and the "Service status" is "Started".
- Click "OK".
- Close the "Services" window

Now connect to the VPN service as described above.