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Configuring a Device for MS-CHAPv2 – Windows Wired

Important: Before you proceed, as part of the set up for MS-CHAPv2, you will need your CCL Network username and password. If you are unsure of your username and password, you can verify or reset your password at <u>password.ccl.com.au</u>, or if you require any further assistance regarding the instructions below, please contact CCL Support via email at <u>support@ccl.com.au</u>.

By following the steps outlined below, you will migrate Windows wired connections to the CCL network from certificate-based authentication to username and password-based authentication (MS-CHAPv2):

1.	Right-Click your internet icon down the bottom right of your computers taskbar and select Open Network and Internet Settings .	へ 🎚 ៉ 🖓 🌄 EN U	NG S
2.	A window will open titled Status. Under the section titled Change your network settings select Change adapter options.	 ✓ Settings ŵ Home Find a setting Network & Internet 	Status Network status Image: Connected to the Internet If you have a limited data plan, you can make this network a metered connection or change other properties. Change connection properties Show available networks Change your network settings Image: Change adapter options View network adapters and change connection settings. Image: Sharing options View networks that you connect to, decide what you want to share. Image: Sharing options Network troubleshooter Diagnose and fix network problems.

3.	A window will open titled Network Connections. Right- Click the option Ethernet and select Properties . <u>Please note:</u> Your device may have more than one connection titled "Ethernet" (e.g. Ethernet 2, Ethernet 3, etc.) If this is the case, please select the device listed as Connected .	 Network Connections ← → ~ ↑ ▲ « All > Ne > Organise ▼ Bluetooth Network Connection Not connected Bluetooth Device (Personal Area Ethernet Network Intel(R) Ethernet Connection (4) 12
4.	A window will open titled Ethernet Properties. Select the Authentication tab.	Ethernet Properties Vetworking Authentication Sharing Connect using: Intel(R) Ethernet Connection (4) 1219-V Configure This connection uses the following items: Image: Client for Microsoft Networks Configure File and Printer Sharing for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks Image: Client for Microsoft Networks <

5.	In the Authentication tab,	Ethernet Properties ×
	under the section Choose a	Networking Authentication Sharing
	network authentication	Select this option to provide authenticated network access for
	method, change the selected	this Ethemet adapter.
	method to Microsoft:	✓ Enable IEEE 802.1X authentication
	Protected EAP (PEAP).	Choose a network authentication method:
		Microsoft: Smart Card or other certificate Microsoft: Protected EAP (PEAP)
	Click the Settings button.	Microsoft: EAP-SIM n edCM Microsoft: EAP-AKA Microsoft: EAP-AKA
	PLEASE NOTE – If Protected	Additional Settings
	EAP (PEAP) is already	
	selected, your device is	
	already configured correctly.	
	You DO NOT need to follow	
	these instructions.	OK Cancel
6	A window will open titled	
0.	A window will open titled	
	Frotected EAP Properties.	Verify the server's identity by validating the certificate
	Trusted Deet Certification	Connect to these servers (examples:srv1;srv2;.*srv3\.com):
	Authorities, ansure that the	
	Authorities, ensure that the	Trusted Root Certification Authorities:
	Boot CA is selected (Disess	Cisco Root CA 2048
	note as shown comptimes	COMODO RSA Certification Authority Indicert Assured ID Root CA
	there may be more than one	DigiCert Global Root CA
	of those listed. Please ensure	DigiCert Global Root G2
	all are ticked)	Notifications before connecting:
		Tell user if the server's identity can't be verified
	Click the Configure button	Select Authentication Method:
	Click the Compute button.	Secured password (EAP-MSCHAP v2) Configure
		Crable Fast Reconnect Disconnect if server does not present cryptobinding TLV
		Enable Identity Privacy
		OK Cancel
1.	In the EAP MISCHAPV2	EAP MSCHAPv2 Properties ×
	Properties, ensure that	When connecting:
	Automatically use my windows	when connecting.
	log-on name and password	Automatically use my Windows log-on name and password (and domain if any).
	(una aomain if any) is	
	untickea.	OK Cancel
	Click OK in this window these	
	click OK in this window, then	
	CIICK UN III the Protected EAP	
	Froperties window.	

8. You will be taken back out to the <i>Ethernet Properties</i> window, select Additional Settings .	Ethernet Properties × Networking Authentication Select this option to provide authenticated network access for this Ethernet adapter. > Chable IEEE 802.1X authentication > Choose a network authentication method: > Microsoft: Protected EAP (PEAP) > Settings > Remember my credentials for this connection each time Im logged on > Fall-back to unauthorised network access > Additional Settings OK
 9. A window will open titled Advanced Settings. Firstly, ensure that under the Specify authentication mode, User authentication is selected, then click Save credentials. PLEASE NOTE – If Specify authentication mode is unticked, please tick this option. 	Advanced settings
 10. A Windows Security window will open, enter in your CCL Username and Password. Click OK, then in the Advanced Settings window, click OK, and then in the Ethernet Properties window, click OK. You should now be back out 	OK Cancel Windows Security X Save credentials X Saving your credentials allows your computer to connect to the network when you're not logged on (for example, to download updates). V Username Password OK Cancel
at the <i>Network Connections</i> window.	

 11. Another Windows Security window will open, enter in your CCL Username and Password again. You may now close all relevant Network Settings windows. 	Username Password OK Cancel			
Please verify that your internet connection is working. If it is, You are now successfully connected to the CCL Network via MS-CHAPv2.				