Windows 8 Enterprise

From windows Desktop, Hold Window-key button and press R,



	Run ×
<u>O</u> pen:	Type the name of a program, folder, document or Internet resource, and Windows will open it for you.
	OK Cancel <u>B</u> rowse

Scroll down, Right click on Wired AutoConfig and choose Properties:



0,		Services				-	×
File Action V	File Action View Help						
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🤹 Services (Loca	Services (Local)						
	Wired AutoConfig	Name		Description	Status	Startup Type	Log Or ^
	Stop the service Restart the service	Windows Media Playe Windows Modules Ins Windows Presentation	r Net taller Fou	 Shares Win Enables inst Optimizes p 		Manual Automatic Manual	Netwo Local S Local S
	Description: The Wired AutoConfig (DOT3SVC) service is responsible for performing IEEE 802.1X	Windows Remote Mar Windows Search Windows Store Service Windows Time	e (WS	Provides co Provides co Provides inf Maintains d	Running Running	Manual Automatic (D Manual (Trig Manual (Trig	Netwo Local S Local S Local S
authentication on Ethernet interfaces. If your current wired network deployment enforces 802.1X authentication, the	Windows Update WinHTTP Web Broxy / Wired AutoConfig	Auto	WinHTTP i	Running Running Running	Manual (Trig Manual Automatic	Local S Local S Local S	
	DOT3SVC service should be configured to run for establishing Layer 2 connectivity and/or providing access to network	WLAN AutoConfig	5	Start Stop Pause	inning inning	Automatic Manual Automatic Manual	Local S Local S Netwo
	resources. Wired networks that do not enforce 802.1X authentication	<	I	Resume Restart		Manual	>
Opens the properti	Extended Standard			All Tasks	•		
opens the properti			F	Refresh			
			I	Properties			
				Help			

Set startup type as **automatic** click on **Start** and **OK**.

Wired Au	ItoConfig Properties (Local Computer)
General Log On	Recovery Dependencies
Service name:	dot3svc
Display name:	Wired AutoConfig
Description:	The Wired AutoConfig (DOT3SVC) service is responsible for performing IEEE 802.1X
Path to executable C:\Windows\syste	e: m32\svchost.exe -k LocalSystemNetworkRestricted
Startup type:	Automatic V
Help me configure	service startup options.
Service status:	Stopped
Start	Stop Pause Resume
You can specify th from here.	e start parameters that apply when you start the service
Start parameters:	
	OK Cancel Apply

From windows Desktop, Hold Window-key button and press R, type **control netconnections** and then click OK.

	Run ×	
	Type the name of a program, folder, document or Internet resource, and Windows will open it for you.	
<u>O</u> pen:	control netconnections	
	OK Cancel <u>B</u> rowse	

Right click on the Ethernet connection and choose Properties:

2	Network Connection	ıs – □ ×
⊜ ∋ ⊤ ↑ 👰 «	All C → Network C ∨ Ċ	Search Network Connections 🔎
Organise 🔻 Disable	this network device »	
Ethernet Network cable Realtek RTL81 2 items 1 item selecte	WiFi Disable Status Diagnose Bridge Connections Create Shortcut Delete Rename	oled dcom 802.11 Multiband Net ₿☷ ा ்

Select **Authentication** tab, set the parameters as in the image and click on **Settings**.

Ethernet Properties		×
Networking Authentication		
Select this option to provide authenticated network access for this Ethemet adapter.	or	>
Ad <u>di</u> tional Settings		
ОК	Cance	!

set the parameters as in the image, click on the **Configure** button:

Protected EAP Properties	×	
When connecting:	_	
Connect to these servers (examples:srv1;srv2;.*\.srv3\.com):		
Trusted Root Certification Authorities:		
AddTrust External CA Root		
Baltimore Cyber Trust Root		
GTE CyberTrust Global Root		
Microsoft Root Authority		
Microsoft Root Certificate Authority		
< >		
Notifications before connecting:		
Don't ask user to authorise new servers or trusted CAs		
	·	
Select Authentication Method:		
Secured password (EAP-MSCHAP v2)	$\mathbf{\Sigma}$	
✓ Enable East Reconnect	-	
Enforce Network Access Protection		
Disconnect if server does not present cryptobinding TLV		
Enable Identity Privacy		
OK Cancel		

Uncheck Automatically use my Windows log..... and click OK



Click OK on the **Protected EAP Properties** window, Click on **Additional Settings** button in the **Ethernet Properties** window.

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Ethernet Properties	×			
Networking Authentication				
Select this option to provide authenticated network access for this Ethemet adapter. Enable IEEE 802.1X authentication				
Microsoft: Protected EAP (PEAP) V Settings				
 Remember my credentials for this connection each time I'm logged on Fall-back to unauthorised network access Additional Settings 				
OK Cance	4			

Select in the drop-down menu **User authentication** and clic on **Save credentials**, the credential will be saved permanently.

Advanced settings	×
802.1X settings	
✓ Specify authentication mode	-
User authentication V Save credentials	>
Delete credentials for all users	
Enable single sign on for this network	
Perform immediately before user log-on	
Perform immediately after user log-on	
Maximum delay (seconds):	
Allow additional dialogues to be displayed during single sign on	
This network uses separate virtual LANs for machine and user authentication	
OK Cance	3

Insert your unitn credentials and click on **OK** button.

Windows Security	2
Save credentials Saving your credentials allows your computer to connect to the network when you're not logged on (for example, to download updates).	
Your Unitn account@unitn.it	
OK Cancel]

In Ethernet Properties window, choose Networking tab, select Internet Protocol Verision 4 (TCP/IPv4) and click on Properties:

Ethernet Properties	x	
Networking Authentication		
Connect using:		
Realtek RTL8139/810x Family Fast Ethemet NIC		
<u>C</u> onfigure		
This connection uses the following items:		
Image: Second state ✓ Image: Second state ∧ Image: Second state ✓ Microsoft Network ∧ Image: Second state ✓ Microsoft Network ∧		
Microsoft LLDP Protocol Driver		
Link-Layer Topology Discovery Mapper I/O Driver		
Link-Layer Topology Discovery Responder		
Internet Protocol Version 6 (TCP/IPv6)		
Install Uninstall Properties		
Description		
Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.		
OK Cance	3	

In the Internet Protocol Version 4 windows, General tab, verify that Obtain an IP address automatically and Obtain DNS server address automatically are selected.

Internet Protocol Version 4 (TC	P/IPv4) Properties ? ×
General Alternative Configuration	
You can get IP settings assigned auton this capability. Otherwise, you need to for the appropriate IP settings.	natically if your network supports ask your network administrator
Obtain an IP address automatical	
Use the following IP address:	<u> </u>
IP address:	· · · · ·
Subnet mask:	
Default gateway:	
Obtain DNS server address autom	natically
Use the following DNS server add	resses:
Preferred DNS server:	
<u>A</u> lternative DNS server:	
Vaļidate settings upon exit	Ad <u>v</u> anced
	OK Cancel

Click OK on **Internet Protocol Version 4** and close **Ethernet Properties** window, the Ethernet connection should be appear as in the image below:



