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Instructions for authenticated connection method to Ateneo wired network through Windows 10 operating system. This setup process is required only in locations where this connection type is enabled.



1) In Control Panel click on Network and Internet;

2) click on Network and Sharing Center;



3) click on Change adapter settings;



4) click the right mouse button on the relevant connection icon (**Ethernet** in the example below), then choose **Properties**;

Network Connections
← → · ↑ 😰 « Network and I > Network Connection
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Ethernet Network cable unpluggede Marrow Voluce corrocol re- Marrow Voluce corrocol re- Image: Status Diagnose Image: Status Image: Status Diagnose Image: Status Image

5) check if the **Authentication** tab is visible in **Ethernet Properties** window. If yes, jump to step 10), else continue to step 6)

Ethernet	Properties		×
Networking	Authentication	Sharing	
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6) click the right mouse button on the Start icon the, on the displayed menu, choose Search;



7) write services.msc and press Enter;



8) Warning: next operations are very simple but even critical, so pay maximum attention to the instructions below.

Search a service named **Wired AutoConfig** in **Services** window, click the right mouse button on it and choose **Properties**;

🎑 WinHTTP Web Proxy Au	to WinHTTP i	Running	Manual
🔫 Wired AutoConfig 👘	TL	=1	Manual
🔍 WLAN AutoConfig	Start	unning	Automatic
🎑 WMI Performance A	Stop		Manual
Work Folders	Pause		Manual
Workstation	Resume	unning	Automatic
🎑 World Wide Web Pul	Restart	unning	Automatic
🧠 WWAN AutoConfig 🔍 Xbox Live Auth Man	All Tasks	>	Manual Manual
🖏 Xbox Live Game Save	Refresh		Manual Manual
	Properties 🛑		
<	Help		

9) in the Wired AutoConfig Properties (Local Computer) window choose Automatic as Startup type (doing so this service will automatically start at every Windows startup); only if Service status is
 Stopped click the Start button; click on OK button; close the Services window; go back to step 5); if the service is already started go to the next step instead;

Wired AutoConfig	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 executabl C:\Windows\syst	e: em32\svchost.exe +k LocalSystemNetworkRestricted
Startup type:	Automatic
Help me configure	e service startup options.
Service status:	Stopped
Start	Stop Pause Resume
You can pecify t from here.	he start parameters that apply when you start the service
Start parameters:	
	OK Cancel Apply

10) In the Ethernet Properties window click on Authentication tab; check Enable IEEE 802.1X authentication option; choose Microsoft: PEAP (Protected EAP) as network authentication method; check Fallback to unauthorized network access option; eventually check the Remember my credentials for this connection each time I'm logged on option; click on Settings;

Networking	Authentication	Sharing		
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Select th this Ethe	nis option to provid met adapter.	de authenticat	ed network	k access for
Enabl	le IEEE 802.1X a	uthentication		
1				
Choose	a network auther	ntication metho	d:	
Microso	ft: Protected EAP	P (PEAP)	~	Settings
☐ Reme ∱ ^{time I}	ember my credent I'm logged on	tials for this co	nnection e	ach
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11) In the Protected EAP Properties window, uncheck Validate server certificate; choose Secured password (EAP-MSCHAP v2) as Authentication method; click on Configure...;

	AP Properties		<u> </u>
When conne	ecting:		
Validat	e server certific	ate	
1			
Conne	ect to these serv	vers:	
Trusted P	Root Certification	n Authorities:	
Add	Trust External C/	A Root	*
🗌 Baltir	more CyberTrust	t Root	
Class	s 3 Public Primary	y Certification Authority	
DigiC	Cert Assured ID F	Root CA	
DigiC	Cert Global Root	CA	
DigiC	Cert High Assura	nce EV Root CA	
D-TR	RUST Root Class	3 CA 2 2009	-
•		m	- F
Do no	t prompt user to	authorize new servers or tru	isted
Do no certifi select Auth	it prompt user to cation authoritie entication Metho assword (EAP-MS	o authorize new servers or tru s. od: 5CHAP v2) ←	Configure
Do no certifi jelect Author Secured pa	t prompt user to cation authoritie entication Metho assword (EAP-Mi Fact Reconnect	o authorize new servers or tru s. od: 5CHAP v2) 🖛 👻	Configure
Do no certifi Select Auth Secured pa	t prompt user to cation authoritie entication Metho assword (EAP-M Fast Reconnect Network Access	o authorize new servers or tru s. od: 5CHAP v2) (Configure
Do no certifi Select Author Secured pa Enable F Enforce	t prompt user to cation authoritie entication Metho assword (EAP-M Fast Reconnect Network Access ect if server doe	o authorize new servers or trus s. od: 5CHAP v2)	Configure
Do no certifi Select Author Secured pa Enable F Disconna Enable I	t prompt user to cation authoritie entication Metho assword (EAP-M Fast Reconnect Network Access ect if server doe identity Privacy	o authorize new servers or trus s. bd: 5CHAP v2) ← Protection s not present cryptobinding T	Configure
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12) In EAP MSCHAP v2 Properties window uncheck Automatically use my Windows logon name and password (and domain if any) option; click on OK; click on OK on Protected EAP Properties window;

EAP MSCHAPv2 Properties	×
When connecting: Automatically use my Windows logon name password (and domain if any).	e and
OK Cancel	

13) In Ethernet Properties window click on Additional Settings...;

Vetworking	Authentication	Sharing			
Select th this Ethe	nis option to provio met adapter.	de authenticat	ed network	access for	
Enabl	le IEEE 802.1X a	uthentication			
Choose	a network auther	ntication metho	d:		
Microso	ft: Protected EAF	P (PEAP)	~	Settings	
E Reme time	ember my credent I'm logged on ack to unauthoriz	tials for this co ed network ac	nnection ea	ach	
Reme time Fallba	ember my credent I'm logged on ack to unauthoriz onal Settings	tials for this co	nnection ea	ach	
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14) In Advanced Settings window check Specify authentication mode and choose User authentication from authentication mode list; click OK button; click OK button on the Ethernet Properties window;

Advanced set	ttings
302.1X settings	
➡ ✔ Specify authentication mode:	
User authentication	✓ Save credentials
Delete credentials for all users	5
Enable single sign on for this netw	vork
Perform immediately before us	ser logon
Perform immediately after use	er logon
Maximum delay (seconds):	10 🌲
Allow additional dialogs to be a sign on	displayed during single
This network uses separate vi and user authentication	irtual LANs for machine
	1
	OK Cance
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15) When the network cable is connected, a username and password request will show up; if you have checked the option "Remember my credentials for this connection" at step 10) you will no longer need to enter your username and password on subsequent connections.