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## 802.1X supplicant configuration for Windows XP

## 802.1X Supplicant Configuration

The following instructions are for Windows XP SP2: other platforms or software may display different menus and forms but the same information will need to be entered.

- 1. Right click on the **wireless network** icon in the system tray and select **View available wireless networks**
- 2. Select the '**eduroam**' SSID and click **Connect** (this attempted connection will fail, but it will ensure that Windows is aware that the network exists).
- 3. Select Change advanced settings
- 4. Select the Wireless networks tab
- 5. Select the 'eduroam' SSID from preferred networks
- 6. Click on **Properties**, which will open an **eduroam properties** window with the **Association** tab selected.
- 7.
- 8. Set Data Encryption to WPA2.
- 9.
- 9. Set Data Encryption to AES.
- 10.
- 11. Click on the Authentication tab

uroam properties		?
Association Authentication C	onnection	
Network name (SSID):	duroam	
Connect even if this netw Wireless network key	vork is not broadcasting	
This network requires a key f	or the following:	
Network Authentication:	WPA2	•
Data encryption:	AES	•
Network key;		
Confirm network key:		
Key index (advanced);		
The key is provided for m	e automatically	

- 10. Ensure that **Enable IEEE 802.1X authentication for this network** is ticked.
- 11. Set the **EAP Type** to **Protected EAP (PEAP).** Deselect Authenticate as computer and Authenticate as guest.

Association	Authentication Connection
Select this Ethernet ne	option to provide authenticated network access for wireless atworks.
Enable	IEEE 802.1x authentication for this network
EAP type:	Protected EAP (PEAP)
Authorit	ingto an computer when computer information is sucilable

12. Select EAP Properties:

## 13. Select Authentication method as Secured Password (EAP-MSCHAP v2).

14. Select Configure...

**?**15. Ensure that **Automatically use my Windows logon name and password** is NOT selected. Click **OK** on the **EAP MSCHAP v2 properties** window.

General Wireless Networks Advanced	
eduroam properties	
Association Authentication Connection	
Protected EAP Properties	
When connecting:         Validate server certificate         Connect to these servers:         Trusted Root Certification Authorities:         ABA.ECOM Root CA         Autoridad Certification a la Asociacion Nacional del Notar         Autoridad Certificatora de la Asociacion Nacional del Notar         Autoridad Certificadora del Colegio         Baltimore EZ by DST         Belgacom E-Trust Primary CA         C&W HKT SecureNet CA Class A         When connecting:	
Automatically use my Windows logon name and     password (and domain if any).	
OK Cancel Select Authentication Method:	
Secured password (EAP-MSCHAP v2)	
Enable Fast Reconnect	
OK Cancel	[0]

- 16. If you do <u>not</u> have your organisations root certificate installed, ensure that **Validate server certificate** is NOT ticked.
- 17. If you do have your home organisation root certificate installed (optional):
- a. Ensure that Validate server certificate IS ticked.
- b. Choose the appropriate certificate from your Trusted root certification authorities list.
- 18. Click **OK** for the **PEAP Properties**.
- 19. Click **OK** for eduroam Properties.
- 20. Click OK for Wireless Network Connection Properties.
- 21. A dialogue balloon associated with the wireless network icon in the systems tray will appear, prompting the user to **Select a certificate or other credentials**. Click on this balloon.
- 22. In the resultant **Enter Credentials** window, enter your eduroam username (including realm) and password, leaving the **domain** field blank.

23. Click **OK**. Your laptop should now authenticate your credentials with your home organisation and, if successful, gain network access.

**Source URL:** https://community-stg.jisc.ac.uk/library/janet-services-documentation/8021x-supplicant-configuration-windows-xp

## Links

[1] http://community.jisc.ac.uk/sites/default/files/802fig2.jpg

[2] http://community.jisc.ac.uk/sites/default/files/802fig3.jpg