

Eduroam Wireless Network Configuration

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Objective: Describe the procedure to configure the access to Eduroam Wireless Network

Prerequisites: Windows 11 Operating System



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1 Introduction

This document aims to explain the configuration process to access Eduroam wireless network on Windows 11.



2 Configuration

To configure the access to Eduroam Wi-Fi follow the steps below:

1. Click the search icon on the toolbar:



2. Type **Control Panel**:





3. After opening the **Control Panel**, click on **Network and Internet**:



4. Click on Network and Sharing Center:





5. Click on **Set up a new connection or network**:



6. Select **Manually connect to a wireless network** and click on **Next**:

🛬 Set Up a Cor	nection or Network		
Choose a co	nnection option		
Konnec Set up	:t to the Internet a broadband or dial-up connection to the Interr	net.	
Set up	a new network a new router or access point.		
Manua Connec	lly connect to a wireless network t to a hidden network or create a new wireless p	profile.	
Connect Set up	t to a workplace a dial-up or VPN connection to your workplace.		



- 7. Fill the fields with the following information:
 - Network name: Eduroam;
 - Security type: WPA2-Enterprise;
 - Encryption type: AES.
- 8. Check Start this connection automatically:

iew your h	asic network inform	nation and set up connections
iew your (Manually connect	− □ × to a wireless network
Domai	Enter informatio	n for the wireless network you want to add
hange yo	Network name:	eduroam
-	Security type:	WPA2-Enterprise V
	Encryption type:	AES ~
	Security Key:	Hide characters
	Connect even it	the network is not broadcasting
	Warning: If you	select this option, your computer's privacy might be at risk.
		Next Cancel

9. Click "Next"



7. Click on **Change connection settings**:





8. Click on the **Security** tab:

eduroam Wireless Ne	etwork Properties	×
Connection Security		ngs.
Name:	eduroam	
SSID:	eduroam	
Network type:	Access point	
Network availability:	All users	
_		
Connect automati	cally when this network is in range	
Look for other win network	eless networks while connected to this	
Connect even if th (SSID)	e network is not broadcasting its name	
	OK Cance	el

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9. Click on **Settings:**

Connection Security		
connection		
Security type:	WPA2-Enterprise	~
Encryption type:	AES	~
Choose a network a	uthentication method:	
Microsoft: Protected	I EAP (PEAP) V Settings	
Remember my co time I'm logged o	redentials for this connection each	
Remember my cr time I'm logged o	redentials for this connection each	
Remember my cr time I'm logged o	redentials for this connection each	
Remember my cr time I'm logged o Advanced setting:	redentials for this connection each	
Remember my cr time I'm logged o Advanced settings	redentials for this connection each	
Remember my cr time I'm logged o Advanced setting:	redentials for this connection each	

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10. Unselect Verify the server's identity by validating the certificate:

	onnecting.			1.0. 11			
	erify the serv	er's ident	ity by vali	dating the	certificat	te	
	Connect to th	ese serve	rs (examp	les:srv1;	srv2;.*\.s	srv3\.con	n):
Trus	ted Root Cer	tification	Authoritie	s;			
	AAA Certifica	te Service	es				
	Baltimore Cyl	berTrust F	Root vrk CA				1
	Class 3 Public	c Primary	Certificati	on Author	ity		
	DigiCert Assu	, ired ID Ro	oot CA		·		
	DigiCert Glob	al Root C	A				
	DigiCert Glob	al Root G	2				
						-	
Notifi	cations befor	e connec	ting:				
Tell	user if the se	erver nam	e or root	certificate	isn't spe	cified	\sim
Select	Authenticatio	n Method	:				
Secur	ed password	(EAP-MS	CHAP v2)		~	Configu	ure
🗸 Ena	ble Fast Rec	onnect					
Dis	connect if sei	ver does	not prese	nt cryptob	inding TI	LV	
Ena	ble Identity F	Privacy					

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11. Click on **Configure**:

Protected EAP Properties	×
When connecting:	
Verify the server's identity by validating the certificate	
Connect to these servers (examples:srv1;srv2;.*\.srv3\.com):
Trusted Root Certification Authorities:	
AAA Certificate Services	^
Certum CA	
Certum Trusted Network CA	
Class 3 Public Primary Certification Authority	
COMODO Certification Authority	
<	Ť
Notifications before connecting:	
Tell user if the server name or root certificate isn't specified	\sim
Select Authentication Method:	
Secured password (EAP-MSCHAP v2) Configure	re
Enable Fast Reconnect	\sim
Disconnect if server does not present cryptobinding TLV	
Enable Identity Privacy	
OK Can	cel

12. Unselect Automatically use my Windows logon name and password and click OK:

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

13. Click **OK** again.

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14. Click on **Advanced Settings**:

eduroam Wireless Ne	etwork Propert	ies	×
Connection Security			
Security type:	WPA2-Enterpris	se .	~
Encryption type:	AES		~
Choose a network aut	thentication meth	od.	
Microsoft: Protected	EAP (PEAP)	 Setti 	ngs
Remember my cre	edentials for this	connection ead	:h
time I'm logged o	n		
Advanced settings			
		ОК	Cancel

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15. Select the field **Specify authentication mode**, choose **User authentication**, and click **OK**:

r	Advanced settings	×
n	802.1X settings	
	Specify authentication mode:	
e	User authentication \checkmark Save credentials	
	Delete credentials for all user:	J
l	Enable single sign on for this network	
:h M	Perform immediately before user logon	
	Perform immediately after user logon	
	Allow additional dialogs to be displayed during single sign on	
l	This network uses separate virtual LANs for machine and user authentication	
ł		
ł		
l		
l		
l		
	OK Cancel	

16. Click **OK** again.



17. Click on the tab **802.11 settings**, unselect the field **Enable Pairwise Master Key (PMK)** caching, then press OK:

Advanced settings		×
802.1X settings 802.11 settings		
Fast roaming		
Enable Pairwise Master Key (PMK) caching		
PMK time to live (minutes):	720	
Number of entries in PMK cache:	128 🐥	
This network uses pre-authentication		
Maximum pre-authentication	3	
ОК	Canc	el

- 18. Click **OK** again;
- 19. Click on **Close**.
- 20. Go to the bottom right corner near the clock and click the network symbol:





21. Click on the **Eduroam** network:





22. When prompted, insert your e-mail address and password as in the example below.





23. When connected it should appear like this:

