# Information compiled and tested by RENAM (Research and Educational Networking Association of Moldova)

# **EduRoam Setup for Windows 10**

Instructions for setting up the EduRoam wireless network on Windows 10

- before eduroam configuration;
- Automatic configuration;
- Manual configuration;
- How to change credentials.

**EduRoam** (education roaming) is the secure, world-wide roaming access service developed for the international research and education community. Eduroam allows students, researchers and staff from participating institutions to obtain Internet connectivity to their home campus and when visiting other participating institutions by simply opening their laptop and connecting to the eduroam SSID on the wireless network.

Befor Automatic or Manual Configuration of eduroam need to delete (forget)

old saved eduroam wi-fi connection.

1) Right click on the "Wi-Fi/Wireless" icon on the System tray, as highlighted in the screen below, and then click on the "Open Network and Sharing Centre" link



2) At opened page select Wi-Fi and Manage known networks:

命 Home	Wi-Fi
Find a setting	<i>м</i> іғі
Network & Internet	On
🗇 Status	Connected, secured
🦟 Wi-Fi	Show available networks Hardware properties
記 Ethernet	Manage known networks
ଳି Dial-up	Random hardware addresses
ven ven	Use random hardware addresses to make it harder for p

3) At opened page find and click on **eduroam** network. Click **Forget**. If eduroam was not previosly configured, no eduroam network will be in list. Go to **Automatic configuration** step.

ல் WiFi	
Manage known networks	
+ Add a new network	
Search this list $ ho$	
Sort by: Preference $\checkmark$ Filter by: All $\checkmark$	١
eduroam	·
Properties Forget	
5000	

## **Automatic Configuration**

1) Click on the network menu in the lower right hand corner of your screen:



2) Click on eduroam network and enter **username** and **password**.

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	RENAM No Internet
(h.	REN002 Secured
(iii	eduroam Secured
	Enter your user name and password
	User name
	Password
	OK Cancel
(i.	Directie Secured
Netw Chang	vork & Internet settings ge settings, such as making a connection metered.
(la	r <mark>h</mark> (q)
Wi-Fi	Mobile Airplane mode hotspot
	Progs <sup>≫</sup> ∧ <sup>™</sup> ⊕ ⊕ ⊄× ENG 10:54 □ □

3) Click **connect** button to continue connecting.

(h.	REN00 Secure	2 ed				
(h.	Directie Secure	e ed				
(h.	eduroa Secure	m ed ue connecti	na?			
	lf you e go ahe differei Show o	expect to fir ad and con nt network v certificate de	ng. Id edurc nect. Ot vith the etails	bam in th herwise, same na	is locat it may me.	ion, be a
_						
		Connect		Ca	incel	
(k.	ACADE Secure	Connect MICA ed		Ca	ancel	
Cr.	ACADE Secure	Connect MICA ed		Ca	ancel	
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4) If You can't connect to eduroam, go to section Manual Configuration

## **Manual Configuration**

1) Right click on the "Wi-Fi/Wireless" icon on the System tray, as highlighted in the screen below, and then click on the "Open Network and Sharing Centre" link



#### At opened page select Wi-Fi and Network and Sharing Center:

命 Home	Wi-Fi	
Find a setting	WiFi	Connect to a wireless network
Network & Internet	On On	If you don't see the wireless network you want, select Show available networks, select the one
	Connected, secured	you want, and select Connect.
	Show available networks	
n Wi-Fi		Related settings
	Hardware properties	Change adapter options
문 Ethernet	Manage known networks	Change advanced sharing options
ଳ Dial-up	Bandom hardware addresses	Network and Sharing Center
% VPN		Windows Firowall
	Use random hardware addresses to make it harder for people to	windows i newdli
B	track your location when you connect to different Wi-Fi networks	

2) Click Set up a new connection or network

#### 3) Click Manually connect to a wireless network

4) Click Next

~	Connect to the Internet	
-	Set up a new network Set up a new router or access point.	
-	Manually connect to a wireless network Connect to a hidden network or create a new wireless profile.	
	Connect to a workplace Set up a dial-up or VPN connection to your workplace.	

- 5) Fill in the following information for the new network:
  - a) Network Name: eduroam
  - b) Security Type: WPA2-Enterprise
  - c) Encryption Type: AES

Enter information	for the wireless networ	rk you want to add	
Network name:	eduroam		
Security type:	WPA2-Enterprise	~	
Encryption type:	AES	~	
Security Key:		Hide characters	
Start this conner	ction automatically		
Connect even if	the network is not broadcastin	g	
Warning: If you	select this option, your compu	ter's privacy might be at risk.	

6) Click Next - The screen will say Successfully added Eduroam7) Choose Change connection settings

ings s so that I can change the settings.	
ings s so that I can change the settings.	Manually connect to a wireless network
ings s so that I can change the settings.	ccessfully added eduroam
ings s so that I can change the settings.	
s so that I can change the settings.	→ Change connection settings
	Open the connection properties so that I can change the settings.

8) Click the Security tab. Under Choose a network authentication method choose Microsoft: Protected EAP (PEAP)

	letwork Properties	×
Connection Securit	У	
Security type:	WPA2-Enterprise	~
Encryption type:	AES	~
Choose a network	authentication method:	Hings
Demember mu	rendentials for this connection and	8
time I'm logged	on	
time I'm logged	on	
Advanced settin	ngs	
Advanced settin	ngs	
Advanced settin	ngs	

- 9) ClickSettings next to that drop down
- 10) Under **Trusted Root Certification Authorities**, check the box for **AddTrust External CA Root.** If certificate problems occures, Un-check all boxes, concerning certificate.
- 11) Select Authentication Method should be: Secure Password (EAP-MSCHAP v2)
- 12) Click Configure

Protected EAP Properties	>
<ul> <li>When connecting.</li> <li>Verify the server's identity by validating the certificate</li> <li>Connect to these servers (examples:srv1;srv2;.*\.srv3\.com</li> </ul>	n):
Trusted Root Certification Authorities: Actalis Authentication Root CA AddTrust External CA Root AffirmTrust Commercial America Online Root Certification Authority 1 Baltimore CyberTrust Root Certum CA Certum CA Certum Trusted Network CA Class 3 Public Primary Certification Authority	^ ~ ~
Notifications before connecting:	
ren user in the server's identity can e be vernice	
Select Authentication Method: Secured password (EAP-MSCHAP v2)	figure
✓ Enable Fast Reconnect	
Disconnect if server does not present cryptobinding TLV Enable Identity Privacy	]
ОК С	Cancel

### 13) Un-check the box labeled Automatically use my Windows logon

EAP MSCH	APv2 Propertie	25	×
When conn	necting:		
□ <sup>Auton</sup> passw	natically use my vord (and domair	Windows logon nam n if any).	ne and
	ОК	Cancel	

14) Click **OK** on 2 boxes to close out and save the wireless settings and return to **Security** page 15) Click **Advanced Settings** 

Connection Security			
Security type:	WPA2-Enterprise	~	
Encryption type:	AES	~	
Choose a network a	uthentication method:		
Microsoft: Protecter	d EAP (PEAP) 🗸	Settings	
Remember my cr	edentials for this connec	tion each	
Remember my cr time I'm logged o	edentials for this connec n	tion each	
Remember my cr time I'm logged o Advanced setting	edentials for this connect n	tion each	
Remember my cr time I'm logged o Advanced setting	edentials for this connect n	tion each	

16) Check box Specify authentication mode, select User authentication in menu17) Click Save credential, enter Your Username and Password and click OK.

NA	Advanced settings		×
e Manually c	802.1X settings 802.11 settings		
eduroe	Specify authentication mode:	í Save cr	edentials
Windo	Delete credentials for all use	215	×
Save credentials Saving your credentials allows your computer to connect to the network when you're not logged on (for example, to download updates).			
User name			
Password			
OK Cancel			
_		ОК	Cancel

18) Click **OK** on all boxes to close out and save the wireless settings.

19) Click on eduroam network in Wi-Fi network list and click Continue:



### To change eduroam credentials:

1) Right click on the "Wi-Fi/Wireless" icon on the System tray, as highlighted in the screen below, and then click on the "Open Network and Sharing Centre" link



- 3) Select Network and Sharing Center
- 4) Click at WiFi eduroam
- 5) Click Wireless Properties
- 6) Click Advanced settings
- 7) Click Save credentials
- 8) Enter Username and password.
- 9) Click Ok. Close menu tabs, reconnect to eduroam.

