Manual for connection to eduroam (cable) – Windows

Before any configuration you have to setup secure password for wifi eduroam:

- a. Application Moje ČZU for Android and iOS
- b. https://is.czu.cz/
- c. Employees at https://intranet.czu.cz

There are two ways to setup eduroam on Windows eduroam CAT application and manual setup.

eduroam CAT application

Application is properly tested only on Windows 10. If you encounter any difficulties with older versions of Windows, we recommend to set it up manually.

Download eduroam installer on <u>https://cat.eduroam.org/</u>. As your organisation choose Czech University of Life Sciences Prague. Choose **eduroam Wi-Fi +wired**. Installer will ask you for your credentials. It is important to fill your username with domain **@czu.cz** for example **xname000@czu.cz**.

nstaller 🖗 🖗	r for Czech University o	f Life Sciences I	Prag	_		×
User credentials				ed)) uro))) am
Username:	xname000@czu.cz					
Password:	•••••					
Repeat password:	•••••					
Nullsoft Install System v	3.0					
			Inst	all	Can	cel

After installation, there is a possibility, that popup "Windows security" window shows up (this window may be hidden behind any window in front, so to be sure minimalize all other windows). Fill in your credentials, which are the same as for wi-fi eduroam (with @czu.cz in your username). There is a possibility this window shows up 2 more times with the same request.

Windows Security	×
Save credentials	
Saving your credentials allows the network when you're not lo download updates).	your computer to connect to ogged on (for example, to
xname001@czu.cz	
•••••	୕
ОК	Cancel

Manual setup

- 1) Download and install "certificate for authentication" link below Certificate
 - a. Installation is made for Current user and to Trusted Roots Certification Authorities.

Certificate	×
General Details Certification Path	
Certificate Information	
This certificate is intended for the following purpose(s): • All issuance policies • All application policies	-
Issued to: radius .czu.cz	•
Issued by: radius .czu.cz	
Valid from 24.10.07 to 11.7.27	
Install Certificate Duer Statement	
OK	









2) Next step is

a. Left click on network connection icon or a choose Network & Sharing Center





Network Connections		– 🗆 ×
← → · ↑ 😰 « Network a > Netwo	ork Connections > V 🖸 Search I	Network Connections 🔎
Organize Disable this network device	Diagnose this connection »	₽= ▼ 🔟 ?
Ethernet 2 Disabled VirtualBox Host-Only Ethernet Ad	Ethernet 3 Disabled Fortinet Virtual Ethernet Adapter (.	
Ethernet 4 Disabled Fortinet SSL VPN Virtual Ethernet	fortissl Disconnected PPPoP WAN Adapter	
Síťové připojení Bluetooth Not connected Bluetooth Device (Personal Area	Wi-Fi Not connected Ralink RT3290 802.11bgn Wi-Fi Ad	
Ethernet Neznámá síť Realtek PCIe GBE Family Controller	 Disable Status Diagnose 	
	Pridge Connections	
	Create Shortcut	
	Delete Bename	
/ items 1 item selected		÷== •
Ethernet Properties	×	
Networking Authentication Sharing		
Select this option to provide authenticated network acces this Ethemet adapter.	s for	
\Box Enable IEEE 802.1X authentication		
Choose a network authentication method:		
Microsoft: Protected EAP (PEAP)	ttings	
Remember my credentials for this connection each time I'm logged on		
Fallback to unauthorized network access		
Ad <u>d</u> itional Settings		
ОК	Cancel	

If you don't see Authentication tab, you must start system service dot3svc. See last page of this document for more information.





EAP MSCHAPv2 Properties	×
When connecting: Automatically use my Window password (and domain if any)	vs log-on name and
ОК	Cancel

Advanced se	ettings		>	<
802.1X setti	nas			
Spec	if y and a standard la r authentication	 ✓ Save g 	redentials	
Enab	le <u>s</u> ingle sign on for this ne	twork		
● P ○ P Maxi	erform immediately before erform immediately after u imum delay (seconds): Illow additional <u>d</u> ialogs to b ign on his network uses separate ind user authentication	user logon Iser logon 10 e displayed during virtual LANs for m	single achine	
		ОК	Cancel	
	Windows Security Save credentials			
	Saving your credential the network when you download updates).	s allows your co 're not logged o	mputer to co on (for examp	onnect t ole, to
	xname001@czu.cz			
	••••		0	

ОК

After complete. Close all windows by click on OK button. Now your computer are ready to connect to network with wire.

Cancel

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There is a possibility, that popup "Windows security" window shows up (this window may be hidden behind any window in front, so to be sure minimalize all other windows). Fill in your credentials, which are the same as for wi-fi eduroam (with @czu.cz in your username). There is a possibility this window shows up 2 more times with the same request.

The possibility of problems

If you can't see authentication tab in properties of ethernet interface.

In lookup window tip in services.msc and find out service Wired AutoConfig Service and set it up like on pictures below.

Services (Local)		
Wired AutoConfig Service	Name	Description
Stop the service	Xbox Live Networking Service Xbox Live General Service	This service supports the Windows.Networking.XboxLive
Restart the service	🚳 Xbox Live Game Save	Zajišťuje služby ověřování a autorizace pro komunikaci s…
	🥋 WWAN AutoConfig	This service manages mobile broadband (GSM & CDMA
Description:	🧠 Workstation	Creates and maintains client network connections to re
The Wired AutoConfig (DOT3SVC)	🧠 Work Folders	This service syncs files with the Work Folders server, ena
IEEE 802.1X authentication on	🆏 WMI Performance Adapter	Provides performance library information from Window
Ethernet interfaces. If your current	🧠 WLAN AutoConfig	The WLANSVC service provides the logic required to co
wired network deployment enforces	🖏 Wired AutoConfig Service	The Wired AutoConfig (DOT3SVC) service is responsible
service should be configured to run	🧠 WinHTTP Web Proxy Auto-Discovery Service	WinHTTP implements the client HTTP stack and provid
for establishing Layer 2 connectivity	🆏 Windows Update	Enables the detection, download, and installation of upd
and/or providing access to network	🆏 Windows Time	Maintains date and time synchronization on all clients a
resources. Wired networks that do	🆏 Windows Search	Provides content indexing, property caching, and search
unaffected by the DOT3SVC service.	🧠 Windows Push Notifications System Service	This service runs in session 0 and hosts the notification
,,	🥋 Windows Presentation Foundation Font Cache 3.0.0.0	Optimizes performance of Windows Presentation Found
	🆏 Windows Modules Installer	Enables installation, modification, and removal of Wind
	🆏 Windows Mobile Hotspot Service	Provides the ability to share a cellular data connection w
	🆏 Windows Media Player Network Sharing Service	Shares Windows Media Player libraries to other network
	🆏 Windows Management Instrumentation	Provides a common interface and object model to acces
	🖾 Windows License Manager Service	Provides infrastructure support for the Windows Store

Windows Installer

Wired AutoConfig Service Properties (Local Computer)

support Adds, modifies, and removes applications provided as a ... \times

Ger	neral Log On	Recovery Dependencies
Se	ervice name:	dot3svc
Di	splay name:	Wired AutoConfig Service
De	escription:	The Wired AutoConfig (DOT3SVC) service is responsible for performing IEEE 802.1X
Pa C:	th to executable \Windows\syste	e: em32\svchost.exe -k LocalSystemNetworkRestricted
St	artup typ <u>e</u> :	Automatic 🗸
Se	ervice status:	Running
	<u>S</u> tart	Stop <u>P</u> ause <u>R</u> esume
Yo fro	ou can specify th m here.	he start parameters that apply when you start the service
St	art para <u>m</u> eters:	