

CONFIGURE YOUR EDUVPN VIRTUAL PRIVATE NETWORK (VPN) ACCESS

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1 Introduction

A Virtual Private Network (VPN) is a means to securely connect to a network. The related eduVPN service allows all RESTENA users as well as users of edulD Luxembourg participating institutions to connect to the RESTENA network from remote locations. This may be used to gain access to Intranet services or other third-party services (for instance student records application) that are only accessible from within the RESTENA network.

VPN access via eduVPN is open to RESTENA users as well as other institutions taking part in edulD Luxembourg. To establish a VPN session, you need to use your credentials provided by your identity providing institution.

The VPN solution offered by the Restena Foundation is based on eduVPN, an application that enables research and education stakeholders across Europe to access their institutes' network and the Internet via an encrypted connection (https://www.eduvpn.org): more than 20 countries and 100 participants use eduVPN worldwide. The eduVPN client application allows easy access and configuration of the VPN service on platforms based on Windows, macOS, iOS, Android, and Linux. More information can be found in the following sections explaining installation and configuration of the VPN for the different supported platforms.

The process to establish a VPN connection with eduVPN is the same for all platforms that are supported by the eduVPN client. Once the client is installed and launched it will:

- 1. Connect to RESTENA's eduVPN service.
- 2. Authenticate by providing the credentials from your edulD Luxembourg participating institution.
- 3. Request a VPN configuration/profile from RESTENA's eduVPN service.
- 4. Use this configuration to establish VPN connections whenever a VPN connection is requested.

The VPN configuration downloaded by the eduVPN client has a validity of 10 days. During this period the VPN connection can be established at will. Once the configuration has expired, the process above will be repeated to request a new VPN configuration. The eduVPN client guides a user, automatically, through this process whenever it is required.

Install and use eduVPN in the following circumstances:

- If you need a secure connection to the Intranet services of the Restena Foundation or the Ministry of Education, Children, and Youth, such as accessing student file applications or SCOLARIA.
- If you are connected to the Internet by a service provider other than the Restena Foundation
- If you are connected to the Internet via an untrustworthy access provider (Non encrypted WIFI, hotel room Internet access, etc.)
- If you are a user of an edulD Luxembourg participating institution.

→ For more information on the VPN service, go to restena.lu/en/service/eduvpn

2 Windows

2.1 Simplified instructions

- Download and install the eduVPN client from its official website, https://app.eduvpn.org/windows/eduVPNClient_latest.exe.
- Launch the client.
- In the **Find your institution** text box type Restena.
- Click on the service listed as **Restena Users** in the client.
- In the web browser window that opens select the institution providing your login account (for instance for education.lu it is RESTENA Users).
- You are redirected to your institution login page, use your username and password to login.
- Following successful authentication, **Approve** the eduVPN client to establish a VPN connection (still in the web browser window).
- Following approval, the eduVPN client will establish a VPN connection. The status of the process can be seen in the eduVPN client.

2.2 Detailed instructions

1.	Download the eduVPN client application for Windows using the following link: https://app.eduvpn.org/windows/eduVPNClient_latest. exe Click on 'Download for Windows'.	The second se
2.	Install, and then launch the client on your computer. The client window presents itself.	
3.	 In the 'Find your institute' text box enter Restena to easily access the service in the client. Click on the service Restena Users to initiate the connection to the service. 	eduVPN Find your institution Restension Secure Internet Restens Staff Restens Users

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4. A display screen 'Authorization required' and a web browser window for authentication automatically open.

Within the web browser window, a list will be displayed to select an authentication (ID) provider. Select the Institution providing your identification.

Selecting the identity provider will redirect you to their login website. Our example shows the page for 'Restena Users' (education.lu).

On the page 'Enter your username and password' enter your edulD credentials (those from your edulD Luxembourg participating institution or RESTENA username and password for RESTENA users) as requested.



🚰 restena

Select your organization to continue the login process to eduVPN (eduvpn.restena.lu)

Restena Users		
Other		
Search for your organization		
LISER		
Luxembourg School of Business		
MENJE - CGIE IAM Users		
Restena Staff		
RESTENA Staff (TEST Environment)		
RESTENA Users (TEST Environment)		
University of Luxembourg		
University of Luxembourg - Development		
University of Luxembourg Competence Centre		

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5. Once authentication has succeeded a new page in the web browser requests approval for establishing a VPN connection from the eduVPN client.

Click on '**Approve**' and close the browser tab or window.



 Looking at the eduVPN client you now see the client attempting to establish a connection.
 Once the connection is established the eduVPN client confirms it has successfully established a connection.



3 macOS

3.1 Simplified instructions

- Download and install the eduVPN client from Apple Store, at https://apps.apple.com/app/eduvpn-client/id1317704208?mt=12
- Launch the client.
- In the Find your institution text box type Restena
- Click the service listed as **Restena Users** in the client.
- In the web browser window that opens select the institution providing your login account (for instance for education.lu it is RESTENA Users).
- You are redirected to your institution login page, use your username and password to login.
- Following successful authentication, **Approve** the eduVPN client to establish a VPN connection (still in the web browser window)
- Following approval, the eduVPN client will establish a VPN connection. The status of the process can be seen in the eduVPN client.

3.2 Detailed instructions

1. Download the eduVPN client application from the Apple store: https://apps.apple.com/app/eduvpnclient/id1317704208?mt=12

Click on 'Get'.



2. Install, and then launch the client on your computer. The client window presents itself.



5. Once authentication has succeeded a new page in the web browser requests approval for establishing a VPN connection from the eduVPN client.

Click on 'Approve' and close the browser tab or window.

6. Another window pops up requesting permission to add VPN configuration to System Settings.

Click on 'Allow'.

7. Looking at the eduVPN client you now see a configuration for **Luxembourg**. By clicking on **Luxembourg** the connection is initiated.

8. Once the connection is established the eduVPN client confirms this by saying 'Connected' and showing the remaining validity of the configuration.

4 Smartphone Android

4.1 Simplified instructions

- Download and install the eduVPN client from Google Play Store, <u>https://play.google.com/store/apps/details?id=nl.eduvpn.app</u>
- Launch the client.
- In the Find your institution text box type Restena
- Click the service listed as **Restena Users** in the client.
- In the web browser window that opens select the institution providing your login account (for instance for education.lu it is RESTENA Users).
- You are redirected to your institution login page, use your username and password to login.
- Following successful authentication, **Approve** the eduVPN client to establish a VPN connection (still in the web browser window).
- Following approval, the eduVPN client will establish a VPN connection. The status of the process can be seen in the eduVPN client.







4.2 Detailed instructions

Store using the following link: https://play.google.com/store/apps/details?id=nl.eduv pn.app Click on 'Open'.	1234 p H B P
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On the page 'Enter your username and password' enter your edulD credentials (those from your edulD Luxembourg participating institution or RESTENA username and password for RESTENA users) as requested.	Enter your username and password With the form below.
Press Continue.	RESTERA edu/VPN RESTERA edu/VPN provides a secure entry point to the RESTERA network from anywhere in the world. Uhername Password III C
	Store using the following link: https://play.google.com/store/apps/details?id=nl.eduv pn.app Click on 'Open'. Install, and then launch the client on your phone. The client window presents itself. • In the 'Find your institute' text box enter Restena to easily access the service in the client. • Click on the service Restena Users to initiate the connection to the service. Another pop-up opens, this time related to the login for authentication with your edulD. A list will be displayed to select an authentication (ID) provider. Select the Institution providing your identification. Selecting the identity provider will redirect you to their login website. Our example shows the page for 'Restena Users' (education.lu). On the page 'Enter your username and password' enter your edulD credentials (those from your edulD uxembourg participating institution or RESTENA username and password for RESTENA users) as requested. Press Continue.

5.	Once authentication has succeeded a new page in the web browser requests approval for establishing a VPN connection from the eduVPN client. Press ' Approve ' and close the browser tab or window.	
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	• Press Allow.	Cuxembourg
		Disconnected Valid for 9 days and 20 bours
		Connection request edu/VPN wants to set up a VPM connection that allows it to provide
		network traffic. Only accept if you trust the source.
		when VPN is active. Cancel OK
7.	Once the connection is established the eduVPN client	
	confirms it has successfully established a connection.	140 Y E B - • • • • • • • • • • • • • • • • • •
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		Connected Valid for 9 days and 23 hours
		Connection info
		H O C

5 iPhone / iPad 12+

eduVPN client is supported on iPhones and iPads running iOS 12.0 or later.

5.1 Simplified instructions

- Download and install the eduVPN client from Apple Store, https://apps.apple.com/app/eduvpnclient/id1292557340
- Launch the client.
- In the Find your institution text box type Restena
- Click the service listed as **Restena Users** in the client.
- In the web browser window that opens select the institution providing your login account (for instance for education.lu it is RESTENA Users).
- You are redirected to your institution login page, use your username and password to login.
- Following successful authentication, **Approve** the eduVPN client to establish a VPN connection (still in the web browser window).
- Following approval, the eduVPN client will establish a VPN connection. The status of the process can be seen in the eduVPN client.

5.2 Detailed instructions

1.	Download the eduVPN client application from the Apple store: <u>https://apps.apple.com/app/eduvpn-</u> <u>client/id1292557340</u> Click on 'Get'.	###. POST * 15:58 248% Search eduVPN client Utilities Utilities Get Image: CATEGORY AGE CATEGORY Hevel.OPER LAN Years Old Utilities What's New Version History Version 3.0.8 4mo ago -Fix crash when deleting servers -Prevent disconnect / connect cycles when
2.	Install, and then launch the client on your computer.	device is locked
2.	The client window presents itself.	
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7.	Press the Luxembourg service to initiate VPN session.	IDUA IDUA Image: Constraint of the state o
8.	Another window pops up requesting permission to add a VPN connection into iOS VPN configuration. Click on 'Allow'.	Age there does 13.28 77.6 Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Server Image: Connect to Serv
9.	Looking at the eduVPN client you now see the client attempting to establish a connection.	 settings mm, siz Connect to Server Connecting Connecting
10.	Once the connection is established the eduVPN client confirms it has successfully established a connection.	Image: Contract to Server Connect to Server Image: Contract to Server

6 Linux

6.1 Simplified instructions

- Follow the distribution specific installation instructions at https://python-eduvpn-client.readthedocs.io/en/master/
- Launch the client.
- In the Find your institution text box type Restena
- Click the service listed as **Restena Users** in the client.
- In the web browser window that opens select the institution providing your login account (for instance for education.lu it is RESTENA Users).
- You are redirected to your institution login page, use your username and password to login.
- Following successful authentication, **Approve** the eduVPN client to establish a VPN connection (still in the web browser window).
- Following approval, the eduVPN client will establish a VPN connection. The status of the process can be seen in the eduVPN client.

6.2 Detailed instructions

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