

# VPN – USER MANUAL



### **INTRODUCTION**

The following guide illustrates how to activate the VPN connection to the UNITUS network, which is necessary to access the services available only from the university network.

- 1. Download the client (this step will only have to be done the first time or at each change of computer)
  - *a.* Open your browser and type the address:

 $\underline{https://software.watchguard.com/SoftwareDownloads?current=true&familyId=a2RVr000000bJA9MAM}$ 

b. You get the following page:

	Log in
Software for Mobile VPN with SSL	
SOFTWARE HOME > MOBILE VPN WITH SSL	
* Latest Mobile VPN with SSL Software	Mobile VPN with SSL
WatchGuard Mobile VPN with SSL Software	
Mobile VPN with SSL 12.11.2 for Windows Released 03/27/2025 - SHA1 31db/026d8ca730396554ca99e4788a03a88541ea	
Mobile VPN with SSL 12.11.2 for MacOS Released 03/27/2025 · SHA1 b30ff1269305a88b6/tf/9993705e133da302ca0e	
Previous Software for Mobile VPN with SSL devices >>	

c. Download the appropriate software version for your operating system (download for Windows or Mac)



### 1. INSTALL THE SOFTWARE AND START THE CONNECTION WINDOWS COMPUTER – WATCHGUARD SOFTWARE

### INSTALLATION

- a. Start the previously downloaded installer.
- b. Accept the default settings and move forward according to the screenshots below:

Setup - Mobile VPN with SSL client	_ 🗆 X
Select Destination Location Where should Mobile VPN with SSL client be installed?	•
Setup will install Mobile VPN with SSL client into the following folder.	
To continue, click Next. If you would like to select a different folder, click Browse.	
C:\Program Files\WatchGuard\WatchGuard Mobile VPN with SSL Browse	
At least 5,9 MB of free disk space is required.	
< Back Next >	Cancel





c. Click Continue

Which components should be installed?		V
Select the components you want to install; clear the compon install. Click Next when you are ready to continue.	ents you do	not want to
Full installation		$\sim$
Required Files		

d. Click Continue

🐨 Setup - Mobile VPN with SSL client	_		×
Select Start Menu Folder Where should Setup place the program's shortcuts?			W
Setup will create the program's shortcuts in the followin To continue, click Next. If you would like to select a different fol	ng Start Ider, clic	Menu folde k Browse.	r.
WatchGuard\Mobile VPN with SSL client		Browse	
< Back	Next >	Ca	incel

e. At the end, it is advisable to choose to add a shortcut icon on the desktop.

🕡 🖌 Setup - Ma	bile VPN with SSL client	_ 🗆 ×
Select Ad Which a	ditional Tasks dditional tasks should be performed?	W
Select th with SSL	e additional tasks you would like Setup to perform while installing Mobile VPN client, then click Next.	I
Addition	al icons:	
🔽 Crea	ate a desktop icon	
Crea	ate a Quick Launch icon	
L		
5		
-		
	< Back Next > C	ancel



f. Click Install

g. Click Finish





START THE VPN CONNECTION PROGRAM

- h. After starting the previously installed program, enter the credentials:
  - For TEACHERS, RESEARCHERS, DOCTORAL STUDENTS and TA STAFF:
    - Server: sslvpn.unitus.it
    - username **unitus.it**\**xxx** where xxx is the part before @ in the institutional email
    - Password: the same as email

₩ WatchGuard Mobile VPN with	n SSL X
WatchGuard	
Firebox	SSL
Server:	sslvpn.unitus.it
	Authenticate with SAML
User name:	unitus.it\nomeutente
Password:	******
🔽 Automatic	ally reconnect
	Connect Cancel
	Version 12.11.2 (Build 713343)



- For STUDENTS:
  - Server: sslvpn.unitus.it
  - username **xxx** where xxx is the tax code or name.surname (i.e. the username of the student portal)
  - Password: the same as the student portal

₩ WatchGuard Mobile VPN with SSL	×
WatchGuard	
Firebox SSL	
Server: sslvpn.unitus.it	-
Authenticate with SAM	۸L
User name: nomeutente	
Password: ******	
Automatically reconnect	
Connect Cano	el
Version 12.11.2 (Build 7	13343)

i. Click Connect



## 2. INSTALL THE SOFTWARE AND START THE CONNECTION MAC COMPUTER – WATCHGUARD SOFTWARE

### INSTALLATION

- a. Start the installer previously downloaded by double-clicking on WG-MVPN-SSL.dmg
- b. A volume called WatchGuard Mobile VPN will be created on the desktop, open that volume and inside the WatchGuard Mobile VPN volume, double-click on WatchGuard Mobile VPN with SSL Installer V15.mpkg: the installation will start
- c. Accept the default settings for subsequent screens
- d. Complete the installation
- e. If necessary, enable the WatchGuard Technologies Inc. extension from System Preferences, Security, and Privacy.

Consenti app scaricate da:	
App Store	
App Store e sviluppatori identificati	
È stato bloccato il caricamento del software di sistema dallo sviluppatore "WatchGuard Technologies Inc.".	Consenti
The state of the s	Avanzate



### START THE VPN CONNECTION PROGRAM

- j. After starting the previously installed program, enter the credentials:
  - For TEACHERS, RESEARCHERS, DOCTORAL STUDENTS and TA STAFF:
    - Server: sslvpn.unitus.it
    - username **unitus.it**\**xxx** where xxx is the part before @ in the institutional email
    - Password: the same as email

WatchGuard Mobile VPN with SSL	×
WatchGuard	
Firebox SSL	
Server: sslvpn.unitus.it	•
Authenticate with SAML	
User name: unitus.it\nomeutente	
Password: ******	
Automatically reconnect	
Connect Cance	
Version 12.11.2 (Build 713	3343)

- For STUDENTS:
  - Server: sslvpn.unitus.it
  - username **xxx** where xxx is the tax code or name.surname (i.e. the username of the student portal)
  - Password: the same as the student portal

₩ WatchGuard Mobile VPN with	SSL X
WatchGuard	
Firebox S	SSL
Server:	sslvpn.unitus.it
	Authenticate with SAML
User name:	nomeutente
Password:	*****
🔽 Automatica	ally reconnect
	Connect Cancel
	Version 12.11.2 (Build 713343)

k. Click Connect



## 3. USING OPENVPN (FOR WINDOWS PC'S WITH PROBLEMS USING THE WATCHGUARD CLIENT) – INSTALLATION AND CONFIGURATION

### DOWNLOAD THE OPENVPN PROFILE

*a.* Open your browser and type the address:

https://usic.unitus.it/downloads/ovpn/

b. You get the following page:

### Area riservata - Università degli Studi della Tuscia

USIC - DOWNLOADS - OVPN - ver. last version
nomeutente@unitus.it
*****
Login

- c. Enter your credentials (the same as the email service).
- d. Check your email inbox, open the message from *'estanza-noreply@unitus.it'* and click on the *'Download File'* link to download the configuration file

Dowload File OVPN



Questo link sarà attivo per 24 ore. Per qualsiasi problema nello scaricare il file o per riportare un errore scrivere a usic@unitus.it

©2022-2025 Università degli Studi della Tuscia - USIC - Ufficio Servizi Informatici di Comunicazione



### DOWNLOAD, INSTALL, AND CONFIGURE OPENVPN

e. Download OpenVPN Connect for Windows from the following link:

https://openvpn.net/client-connect-vpn-for-windows/

f. Click Download OpenVPN Connect and double-click on the downloaded file



g. Once started, click on next



h. Select Accept and click Next



**University of Tuscia** Division III - Information Technology and Telecommunications Service Systems, Infrastructure and Security Office



i. Click install



j. Click on Finish



k. Open OpenVPN Connect and click on the "file" tab



1. Click Browse



m. Click download on the left, choose the file you downloaded in step 3.d and click open

Organize • New folder	li i i i i i i i i i i i i i i i i i i	•		7
Tutoring unitus 2 ^ Name OneDrive - Person Clie	ent (2)		Date mc	odif 022
This PC     Last m     J Dobjects     Last m     R     Earlier     Cestop	onth (1) r this year (3)		9/18/202	22 9
Documents  Documents  Downloads  Jag	ent (1) b2.RLS guars_FitGym-LogIn-Blendi (1)		5/16/202 6/28/202 5/5/202	22 4 22 3 2 4:
Pictures     Pictures     Videos     Videos     Coal Disk (C:)	g time ago (8) eeTutorialsUS.com-Python-Hands-On-Crash-Course-For-Data-Science-12-Projects eeTutorials.Eu] Udemy - Python Django Dev To Deployment		12/8/202 12/6/202	
File name: client	(1) Vofiles and Cert Open	ificates	Cancel	~

- n. Enter your credentials:
  - For TEACHERS, RESEARCHERS, DOCTORAL STUDENTS and TA STAFF:
    - username **unitus.it**\**xxx** where xxx is the part before @ in the institutional email
    - Password: the same as email
  - For
    - username **xxx** where xxx is the tax code or name.surname (i.e. the username of the student portal)
    - Password: The same EDL student portal
- o. Click on connect:





## 4. USING TUNNELBLICK (ONLY FOR MACOS COMPUTERS WITH ISSUES USING THE WATCHGUARD CLIENT) – INSTALLATION AND CONFIGURATION

a. Open your browser and type the address:

https://usic.unitus.it/downloads/ovpn/

b. You get the following page:

### Area riservata - Università degli Studi della Tuscia

USIC - DOWNLOADS - OVPN - ver. last version			
nomeutente@unitus.it			
*****			
Login			

- c. Enter your credentials (the same as the email service).
- d. Check your email inbox, open the message from *'estanza-noreply@unitus.it'* and click on the *'Download File'* link to download the configuration file

#### Dowload File OVPN





### DOWNLOAD, INSTALL AND CONFIGURE TUNNELBLICK

a. Download Tunnelblick for MAC from the following link (click on the Stable version of the installer):

### https://tunnelblick.net/downloads.html

Tunnelblick free software for OpenVPN on macOS						
Home Downloads Support Doo	uments	Issues Source Contribute Contact				
On This Page Release Downloads Verifying Downloads	Releas	e Downloads				
User Contributions Download Integrity Downloading and Installing on macOS Mojave and Higher	To be notified of new releases, use Tunnelblick's built-in update mechanism or subscribe to the Tunnelblick Announce Mailing List.					
	Beta versions are suitable for many users. See Stable vs. Beta for details.					
	As a Free Software project, Tunnelblick puts its users first. There are no ads, no affiliate marketers, no tracking — we don't even keep lo technology for fast, easy, private, and secure control of VPNs.					
	Beta	Tunnelblick 8.1beta01 (build 6310, macOS 13+, Universal (Intel, Apple Silicon), notarized) released 2025-04-29 Release Notes SHA1: 2953e1f9c0437e29e3978314861f1fadfc022bf2 MD5: 14fd3ed8fe18d0a07cea0a4d61aec3e2 SHA256: 1f69d90ade51934e24fd5a2d5ae38f87af43b3a842d508c25d21268e4ba1e3e2 GnuPG v2 signature				
	Stable	Tunnelblick 8.0 (build 6300, macOS 13+, Universal (Intel, Apple Silicon), notarized) released 2025-04-29 Release Notes SHA1: 1a8ed7b35c87e4a2928c1bbdcd3ca9eef1e4c3dc MD5: 03aa33231231bef0cefefdca6a359d54 SHA256: e08925d558959b67c33a09d19b228b004d3bdc000d3d1981c983bf2f9b69d9cb GnuPG v2 signature				
	Older	See the Deprecated Downloads page. Includes versions for earlier versions of macOS and OS X.				

b. Double-click on the downloaded file to start the installation



c. Click on Open and continue with the installation



0	?
"Tunnelblick" è un'app scaricata da internet. Confermi di volerla aprire?	
L'elemento è sull'immagine disco "Tunnelblick_3.8.7a_build_5770 (1).dmg". Chrome ha scaricato questa immagine disco oggi alle 10:34 da objects.githubusercontent.com. Apple ha verificato la presenza di malware e non ne ha rilevati.	
Apri	
Mostra immagine disco	
Annulla	
Non avvisarmi quando apro delle applicazioni su questa immagine disce	0

- d. Drag the *config.ovpn file* downloaded in step 4.d to the Configurations window (on the left) with the mouse
- e. Click on the Tunnelblick icon on the status bar and select "VPN Details"



f. On the Tunnelblick screen, select the "Configurations" item





g. Select the "Settings" tab

🗧 😑 Configurazioni	Configurazioni Aspetto	Preferenze Utilità Informazioni	Abilita modalità amministrato
~ Configurazioni		Registro Impostazioni	
client			
	Connetti:	Manualmente	
	Configura DNS/WINS:	Configura il nameserver	
	Versione di OpenVPN:	Ultimo (2.6.9 - OpenSSL v3.0.13)	
	Livello di log delle attività VPN:	OpenvVPN livello 3 - output normale	
	Nel caso di disconnessione:	Non fare alcunché	
	Nel caso di disconnessione inaspettata:	Non fare alcunché	
	<ul> <li>Monitor delle impostazioni di rete Instrada tutto il traffico IPv4 della rete</li> <li>Non usare IPv6 a meno che il server V Disabilita l'interfaccia di rete seconda</li> <li>Verifica se l'indirizzo IP pubblico appa Avanzate</li> </ul>	e attraverso la VPN /PN usi esplicitamente IPv6 rria arente cambia dopo la connessione	
+ - 0*	Copia le informazioni di diagnostica/d	ebug negli Appunti	Disconnetti Connetti

h. Under "OpenVPN version" select "2.5.9 – OpenSSL v1.1.1w"

	1.000		2/6			
•••	Configurazioni	Configurazioni Aspetto	Preferenze	Utilità lefor	Dinazioni	Abilita modalità amministrat
✓ Configur client	razioni		Registro	Impostazioni		
		Connetti Configura DNS/WINS	Predefir 2.4.12 -	iito (2.6.9 - Oper OpenSSL v1.1.1v	nSSL v3.0.13) v	
		Versione di OpenVPN	269-0	DenSSL v1.1.1w		
		Nel caso di disconnessione	2.6.9 - 0 Ultimo (	DpenSSL v3.0.13 2.6.9 - OpenSSL	v3.0.13)	
Nel caso di disconnessione inaspettata. Monitor delle impostazioni di rete Instrada tutto il traffico iPv4 della rete Non usare iPv6 a meno che il server V Disabilita l'interfaccia di rete seconda Verifica se l'indirizzo iP pubblico appo Avanzate		te attrai         VPN us         diverse dr Tunnelblick.         II valore "Ultima" userh Tulima versione disponibile di         OpenVPN e LibreSSL che è inclusa in questa versione di         Tunnelblick. L'ultima versione potrebbe essere diversa per versio         diverse di Tunnelblick. Nel caso in cui la versione         inclusta non fosse presente versi una versione il più         possibile vicina a quella richiesta.				
+   -   0 *		? Copia le informazioni di diagnostica	debug negli	Appunti		Disconnetti Connetti

- i. Enter your credentials and click Connect (bottom right)
  - For TEACHERS, RESEARCHERS, DOCTORAL STUDENTS and TA STAFF:
    - username **unitus.it**\**xxx** where xxx is the part before @ in the institutional email
    - Password: the same as email



#### • For STUDENTS:

- username **xxx** where xxx is the tax code or name.surname (i.e. the username of the student portal)
- Password: the same as the student portal

Tunnelblick: Richiesto login					
È necessario fornire uno username ed una password per potersi collegare a client					
Username:					
	Salva nel Portachiavi				
Password:		۲			
	Salva nel Portachiavi				
Codice di sicurezza:					
	Annulla				



### **CAUTION** (additional informations)

It is important to know that:

- The VPN connection can be established by any ADSL line, cellular network or other type of Internet connection.
- The VPN connection should only be used if it is necessary to access resources that are reserved only for computers directly connected to the University network (bibliographic research, databases, subscriptions to journals, etc.).
- Using the VPN connection for ordinary browsing (email, web, etc.) is strongly discouraged because it introduces a slowdown, although almost imperceptible, and risks overloading the server unnecessarily, preventing other users from using the service.