

# VPN guide for MacOS

#### What is VPN and what is VPN used for?

VPN stands for **V**irtual **P**rivate **N**etwork and offers the possibility to establish a secure and encrypted connection via the insecure and public internet. The prerequisite for setting up a connection is an existing Internet connection. It is necessary that the protocol is not blocked by the local provider.

In addition to encryption, when a VPN connection is established, the client is assigned an official Internet address (IP address) from the address range of the University of Bonn and thus has access to services that are otherwise only available to computers at the university.

Furthermore, the VPN connection can only be established after successful authentication with the University of Bonn's Uni-ID.

Establishing a VPN connection to the VPN servers of the University of Bonn is currently required in the following cases:

• Use of the WLAN at the University of Bonn

• Use of the vast majority of literature databases and electronic journals (eMedia) from home or on the road

• Working from the home office

Please note that a service may be subject to further restrictions and VPN is not sufficient for access in all cases.

# Setting up VPN

There are two different servers:

- Connections from external or home:
- https://unibn-vpn.uni-bonn.de
- Connections from the WLAN or the network of the University of Bonn internally:

https://unibn-wlan.uni-bonn.de



### Step by step guide

1. Calling up the download for the Mac client: <u>https://ecampus.uni-bonn.de/goto\_ecampus\_file\_3251180\_download.html</u>

#### eCampus | Lernplattform der Universität Bonn

Magazin $ ightarrow$ Einrichtungen $ ightarrow$ Zentrale Einrichtungen $ ightarrow$ Hochschulrechenzentrum (HRZ) $ ightarrow$ HRZ-Downloads
HRZ-Downloads
Inhalt Info Einstellungen Export Rechte
Zeigen Verwalten Sortieren
Neues Objekt hinzufügen - Seite gestalten
Dateien
anyconnect-linux64-4.10.07061-core-vpn-webdeploy-k9.sh zip 7,9 MB Heute, 12:42
anyconnect-macos-4.10.07061-core-vpn-webdeploy-k9.dmg zip 23,0 MB Heute, 12:42
anyconnect-win-4.10.07061-core-vpn-webdeploy-k9.msi zip 14,9 MB Heute, 12:33

2. Download Anyconnect for Mac OS (Uni-ID and password for login on eCampus needed)

The downloaded file with the extension .dmg is displayed in the Dock under Downloads, which must then be unpacked in the Finder with a double click



3. Double-click the file to be installed, anyconnect-macos-xxx.pkg





4. Now the individual steps of the installation programme must be carried out.

	Willkommen bei: AnyConnect Secure Mobility Client
Fiofübrung	Du wirst durch alle Schritte geführt, die für die Installation
Lizenz	dieser Software erforderlich sind.
Zielvolume	
auswählen	
Installationstyp	
Installation	
cisco	Zurück
0	"AnyConnect Secure Mobility Client" installieren
	Softwarelizenzvertrag
Einführung Lizenz	Supplemental End User License Agreement for AnyConnect® Secure Mobility Client v4.x and other VPN- related Software
Zielvolume auswählen	IMPORTANT: READ CAREFULLY
Installationstyp	conditions for the Software Product Iconsed under the End User License Agreement ("EULA between You ("You" as used benefit means You and the business entity you represent) and Cisc
Installation	(collectively, the "Agreement"). Capitalized terms used in this SEULA but not defined will have the meanings assigned to them in the EULA. To the extent that there is a conflict between the term and conditions of the EULA and this SEULA the terms and conditions of this SEULA will have the second sec
Zusammenfassung	precedence.
	In addition to the initiations set forth in the EULA on your access and use of the Software. Yo agree to comply at all times with the terms and conditions provided in this SEULA DOWNLOADING, INSTALING, DR USING THE SOFTWARE CONSTITUTES ACCEPTANC OF THE AGREEVENT, AND YOU ARE BINDING YOURSLE. AND THE BUSINESS ENTIT THAT YOU REPRESENT (COLLECTIVELY "CUSTOMER") TO THE AGREEVENT IF YOU D NOT AGREE TO ALL OF THE TERMS OF THE AGREEVENT, THEN CISCO IS UMAILLING THE UCENSE THE SOFTWARE TO YOU AND (A) YOU MAY NOT DOWNLOAD, INSTALL OR US the COLLECTIVELY OF ANY ADDITION THE AGREEVENT.
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	Standardinstallation auf "Macintosh HD"	
<ul> <li>Einführung</li> <li>Lizenz</li> <li>Zielvolume auswählen</li> </ul>	Hierfür ist ein Speicherplatz von 23,2 MB auf deinem Computer erforderlich. Klicke auf "Installieren", um die Standardinstallation dieser Software auf dem Laufwerk "Macintosh HD" durchzuführen.	
<ul> <li>Installationstyp</li> </ul>		
<ul> <li>Zusammenfassung</li> </ul>		
cisco		
	Zurück Installierer	1

5. After clicking on the "Install" button, the user name and password of the computer must be entered in order to finally carry out the installation.

2	Installationsprogramm versucht, neue Software zu installieren.
2	Gib dein Passwort ein, um dies zu erlauben.
	Benutzername: Mac-Benutzer
	Passwort:
	Abbrechen Software installie



6. A window appears with a request from the system not to block the Cisco AnyConnect Client.

This instruction must be carried out by clicking on the button "Open settings"



7. The installation of the Cisco-AnyConnect Client is successfully completed.



# Using the AnyConnect Client

1. Search for and start Cisco AnyConnect via Lupe or Launchpad. There, enter the VPN server for the external connection **unibn-vpn.uni-bonn.de** 

•••	AnyConnect Secure Mobility Client	cisco
	VPN: Ready to connect. unibn-vpn.uni-bonn.de	Connect
* ~		

2. Enter the University ID and the corresponding password here.

Cisco A	iyConnect   unibn-vpn.uni-bon	n.de
Username:	Uni-ID	
Password:		
	Cancel	ОК

3. The Cisco icon with lock appears in the dock.

#### **Further note**

If you want to use the VPN client within the university in order to be able to use certain services, you simply have to enter the other VPN server address: <u>unibn-wlan.uni-bonn.de</u> when opening the Cisco client.

Afterwards, the desired connection can always be selected when restarting.