# VPN Configuration on macOS Ventura and later (macOS Sonoma)

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#### german version

For older versions of macOS, please consult our older installation instructions.

## Download the Configuration profile

Please download the configuration profile from https://uni-tuebingen.de/de/2178.

If your download fails, please try downloading it using Safari. Other web browsers may not know what to do with a configuration profile for macOS.

### Installing the configuration profile

System Settings App looks different than in previous system versions, and got some significant changes compared to previous system versions.

Start the installation process by double-clicking on the downloaded configuration profile "vpn-uni-tuebingen-2021.mobileconfig". You'll get a notification to continue installation in System Settings. Open System Settings and go to "Privacy & Security", and then Profiles. Double-click on the Downloaded VPN Profile.

	< Profiles	
Q Search	Downloaded	
<b>Focus</b>	VPN	
Screen Time		
General	User	
	WLAN eduroam uni-tuebingen.de	
(1) Accessibility	+ -	
Control Centre	1	2
Siri & Spotlight		ſ
🖐 Privacy & Security		
Desktop & Dock		
Displays		
🛞 Wallpaper		
Screen Saver		
Battery		
Lock Screen	l	
Touch ID & Password		
😕 Users & Groups		
Passwords		

In the next screen, you'll see some details about the configuration profile. Continue with a click on "Install...".

The current (2024) configuration profile is not signed, macOS will warn about this. You can continue the installation.

Q Search	Download	bek	
<b>Focus</b>	Are you sur	e you want to install this profile?	
Screen Time			
General	DVPN ZDV Universität Tü	ibingen Verified	
Appearance	Description VPN-Ein	stellungen für L2TP an vpn.uni-tuebingen.de	
Control Centr	Signed	PN: Serge Paulus - codesigning	
Siri & Spotligh	Received	27. Oct 2022 at 10:25	
Privacy & Sec	Settings	VPN Service	
Desktop & Do			
Wallpaper	Details		
Screen Saver	VPN Service		
Battery	Description	VPN	
Lock Screen	Install	Ignore Cancel	
Touch ID & Pa			
😕 Users & Groups			

Enter your ZDV LoginID (not your mailadress, the ZDV LoginID is normally 5 characters and 2 numbers long) in the field "Username" in the next screen. Finish by clicking on "Install...".

G Search	Downloaded	
Focus Screen Time	VPN	
General	User	
<ul> <li>Appearance</li> <li>Accessibility</li> <li>Control Cen</li> <li>Siri &amp; Spotli</li> <li>Privacy &amp; Se</li> </ul>	Enter settings for "VPN": Enter settings for VPN profile " VPN": Username: pptional	
<ul> <li>Desktop &amp; I</li> <li>Displays</li> <li>Wallpaper</li> </ul>	Cancel Previous Install	
Desktop & E Displays Wallpaper Screen Save Battery Lock Screen	Cancel Previous Install	
<ul> <li>Desktop &amp; I</li> <li>Displays</li> <li>Wallpaper</li> <li>Screen Save,</li> <li>Battery</li> <li>Lock Screen</li> <li>Touch ID &amp; Pass</li> </ul>	Cancel Previous Install	
<ul> <li>Desktop &amp; I</li> <li>Displays</li> <li>Wallpaper</li> <li>Screen Save.</li> <li>Battery</li> <li>Lock Screen</li> <li>Touch ID &amp; Pass</li> </ul>	Cancel Previous Install	

Authentificate with an admin-account to allow the installation. After authentification, the configuration profile has configured the vpn connection and it is ready to be used.

There are a few addendums however that need to be addressed before the vpn connection works as intended.

# Set network priority

Network priority should be changed, as normal configuration adds it at the bottom of the list of network connections. As we want the vpn to be used as primary network whenever it is connected, the priority settings need to be changed.



Go to System Settings > Network and click on the menu with the 3 dots, choose "Set Service Order...".

	Notion	
Q Search	Wi-Fi • Connected	
🛜 Wi-Fi		
🛞 Bluetooth	VPN	
🛞 Network		
🛞 VPN	Service Order:	
Notifications	VPN L2TP Uni Tübingen VPN Mitarbeiter	
🔊 Sound	USB 10/100/1000 LAN Thunderbolt Bridge	
C Focus	Wi-Fi	
Screen Time		
General		
O Appearance	Drag services to change order.	
(1) Accessibility	Cancel	···· • ?
Control Centre		
💽 Siri & Spotlight		
🖐 Privacy & Security		
🗐 Desktop & Dock		
🔅 Displays		
🛞 Wallpaper		

Change the service order by dragging "VPN L2TP Uni Tübingen" on top of the list with your mouse. Confirm by clicking on "OK".



Next, select VPN, in the following screen, click on the i in the circle next to "VPN L2TP Uni Tübingen".

Search	VDN I 2TD Lini Tübingen	
L2TP over IPSec	Display Name	VPN L2TP Uni Tübingen
Options TCP/IP	Configuration	Default 🗘
DNS	Server address	vpn.uni-tuebingen.de
Proxies	Account Name	your ZDV LoginID
2	User Authentication	Password 🗘
	Password	••••••
•	Machine Authentication	Shared Secret 💲
	Shared Secret	••••••
3	Group Name	Optional
	Remove Configuration	Cancel
Desktop & Dock		

You can see all the settings of the vpn connection. In the password-field, you can type your password (if you leave it blank, the password will be asked every time you want to connect to the vpn). Please do not change any other settings here, as this will probably make your connection to fail. If you do, the only way to recover is to remive the profile and start again at the beginning.

Confirm by clicking on "OK".

Now, you can use the vpn-connection by going to System Settings > VPN and switch on "VPN L2TP Uni Tübingen".

	Fast User Switching	
2 Search		
<b>C</b> Focus	Show in Menu Bar	Icon 🗘
Screen Time	Show in Control Centre	
🕑 General	Keyboard Brightness	
Appearance	Reyboard Digitiless	
Accessibility	Show in Menu Bar	
Control Centre	Show in Control Centre	
Siri & Spotlight		
Privacy & Security	Menu Bar Only	
Desktop & Dock	Clock	Clock Options
🔅 Displays	Cnotlight	Chow in Many Day A
🛞 Wallpaper	Spotlight	Show in Menu Bar 🗸
Screen Saver	Siri	Don't Show in Menu Bar 🗘
Battery	Time Machine	Don't Show in Menu Bar 🗘
Lock Screen		
Touch ID & Password	WPN	Show in Menu Bar 💲
Users & Groups		

If you prefer controlling the vpn-connection in the menu bar, you can put a vpn menu in the left upper corner of your menu bar by going to System Settings > Control Centre (sic), then set the VPN to "Show in Menu Bar".

# Troubleshooting

When something goes wrong, you'll get an error message. Please check your settings, especially check if your password is correct.

But even without error message, there might be more trouble ahead. Some people complain about not being able to use some services that should work with a vpn-connection. If this happens, please visit https://www.whatismyip.com/ to check your IP-address. If your IPv4 is in the range 134.2.x.x, the VPN connection is fine. If you get an IPv4 in another range or get an IPv6 as primary address, then there is something wrong with your connection. Either your network traffic is not routed through the vpn (please check if your network priority is set correctly), or there is something wrong in your local network. Check your router if vpn-passthrough is enabled (if available) or contact your provider (if you only get an IPv6 and no IPv4) and tell the support that you need an L2TP-connection for your work (L2TP only works with IPv4).

For further support, please contact the ZDV Hotline or the ZDV Genius-Bar.

#### Removing the VPN connection / configuration profile

The VPN cannot be removed from System Settings > Network. You need to remove it in System Settings > Privacy % Security > Profiles: Activate the vpn profile, then remove it by clicking on the "-"-button. After entering the credentials for a local system administrator account, the profile is removed.