

OpenVPN on macOS

Revision: b'18. Dezember 2019'

1 Foreword

This manual has been successfully tested with a macOS 10.14 (Mojave) and a preconfigured version of Tunnelblick (version 3.8.1). It should work with any macOS starting from version 10.12+.

2 Prerequisites

- You need an account at CMS or at the Institute for Mathematics, Computer Science or Physics.
- The installation requires working internet access, because files are downloaded. Alternatively, you can also get Tunnelblick from another source and transfer it to the target computer, e.g. via USB stick.
- To set up an OpenVPN tunnel to the HU, you need network access, e.g. a connection to the HU wifi or a DSL connection.

3 Preparations

Download the preconfigured [Tunnelblick installation program](#) and the configuration files [hu-berlin.ovpn](#) and [hu-berlin-Alternative.ovpn](#) from the CMS website.

4 Removal of pre-existing VPN profiles

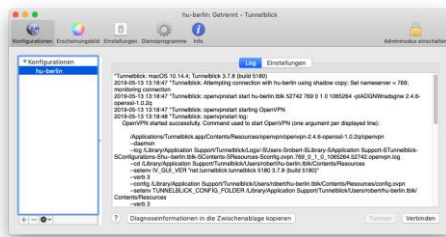
If you have already used Tunnelblick, you must remove the old VPN configuration before setting up VPN. If you have not used Tunnelblick before, go to section 5.

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If the Tunnelblick icon is not available in the upper left of the menu bar, please start Tunnelblick first.

Click on the Tunnelblick icon and then on VPN details...

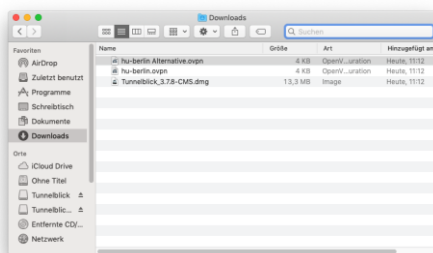


Select the old VPN configuration "hu-berlin" in the list. Now click on the minus symbol at the bottom left.



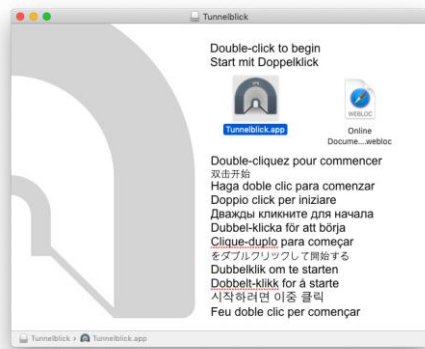
Enter your operating system password and click OK to delete the old VPN configuration.

5 Tunnelblick Installation



Run the Tunnelblick installer (downloaded in the "Preparation" step) by double-clicking it.

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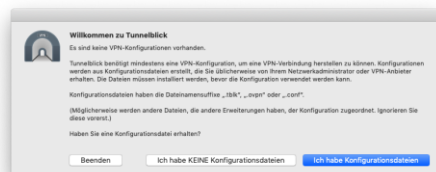
Start the installation by double-clicking the Tunnelblick icon.



Mac OS X will now ask you if you really want to open the application. Confirm this by clicking on Open.

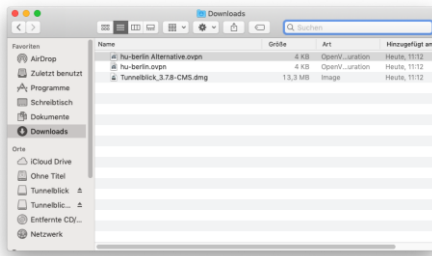


Enter your operating system password and click OK to start the installation.

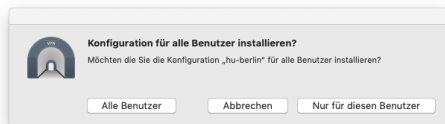


Sie werden gefragt, ob Sie eine Konfigurationsdatei erhalten haben. Klicken Sie hier auf Beenden.

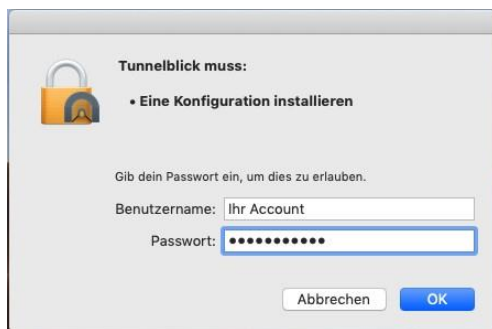
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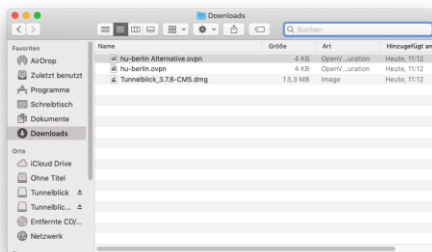
Execute the configuration file "hu-berlin.ovpn" (downloaded in the step "Preparation") by double-clicking.



You will be asked whether you want to install the VPN configuration "hu-berlin.ovpn" for HU Berlin for the current user only or for all users. Please select All users.



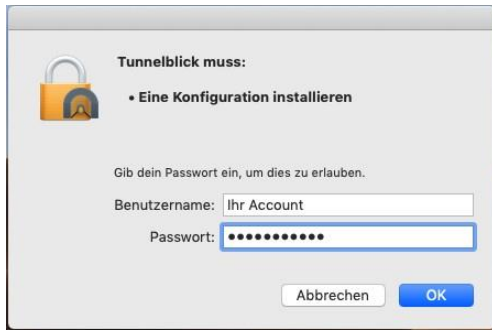
Enter your operating system password and click OK to install the configuration.



Now execute the other configuration file "hu-berlin-alternative.ovpn" with a double click.

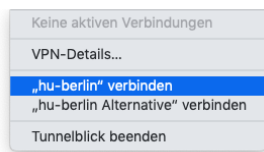


You will be asked whether you want to install the VPN configuration "hu-berlin.ovpn" for the HU Berlin for the current user only or for all users. Please select All users.

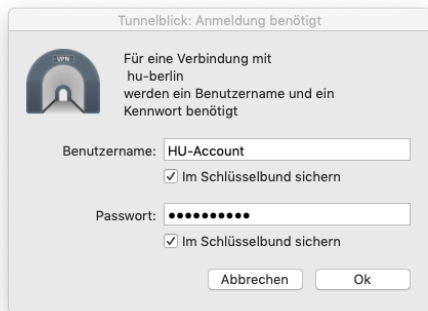


Enter your operating system password and click OK to install the configuration.

6 Establish an OpenVPN Connection



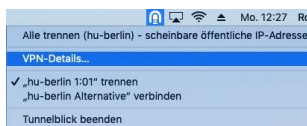
Tunnelblick and the HU-OpenVPN configuration are now installed. You can establish the VPN connection by clicking on the Tunnelblick icon in the system tray and selecting "connect to hu-berlin".



You will now be asked for login credentials for the VPN connection. Enter your HU user name and password.

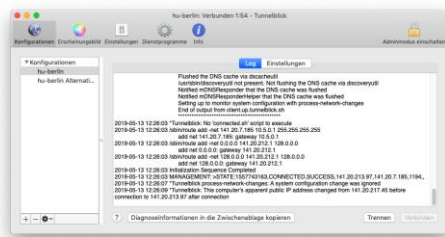
Note: Depending on the institution providing your account, you may need to add an extension to your username. The extension can be found in the following table. If you do not know where you have your account, it is probably at CMS (central HU account).

Institution	Identifier
Computer- & Medienservice (CMS)	<i>No Identifier</i>
Informatik (Computer Science)	@informatik.hu-berlin.de
Mathematik (Mathematics)	@mathematik.hu-berlin.de
Physik (Physics)	@physik.hu-berlin.de



If you do not want to enter your login credentials every time a connection is established, you can check the box "Save in key ring".

To check the connection, you can click on the tunnel icon and then on "VPN details..."



The log window should look something like this when a successful connection is established, which you can see by clicking on "VPN Details..." in the previous step.

Your OpenVPN connection can now be used.

7 Problems with VPN

If you have problems, try our alternative configuration "hu-berlin Alternative.ovpn" in Tunnelblick.