



Open VPN using Linux (Ubuntu)

The Charité VPN service is based on the *OpenVPN* that is available for a multitude of operating systems. The following instructions take you through the installation and start-up phase of the software system using Ubuntu 20.04 LTS.

Please Note: The standard VPN configuration file of the Charité cannot be used for LINUX. Instead, please use the *LINUX link* in the separate email you received from the VPN staff to download the special ZIP archive with your personal configuration components for LINUX.

Implementing the configuration and certificates

Create a new folder *OpenVPN*, preferably below your *Personal Folder (Persönlicher Ordner)*, *fig. 1*. Save the ZIP archive that you downloaded via the link in this folder. Unpack the archive by double clicking on it and select *Unpack (Entpacken)* in the header. The folder *OpenVPN* should look like the one in *fig. 2*. The file *charite-xyz.ovpn* (*xyz* is your standard user name at the Charité) is the OpenVPN configuration file which you have to import into the OpenVPN programme in the next step.

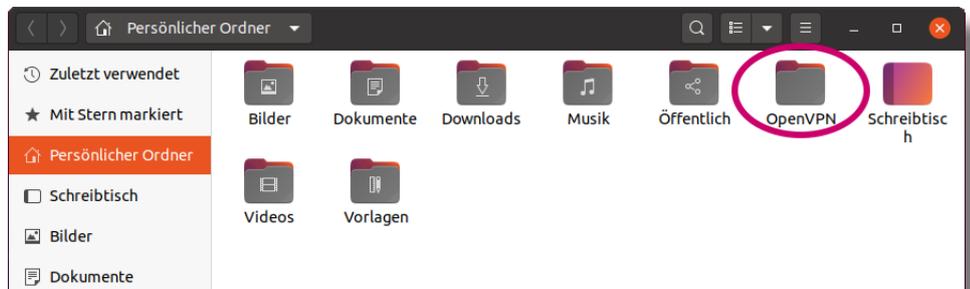


Fig. 1 Folder *OpenVPN* for certificates and configuration file

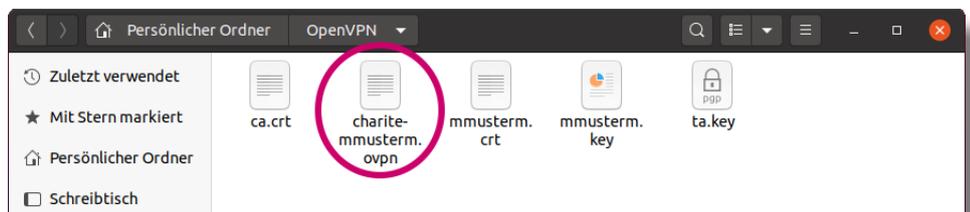


Fig. 2 Folder *OpenVPN* with all files

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NetworkManager Settings

Using the *NetworkManager* (the network or WiFi icon in the right of menu bar – depending on your current connection) select the item *LAN Settings (LAN-Einstellungen)* or *WiFi Settings (WLAN-Einstellungen)*, *fig. 3*.

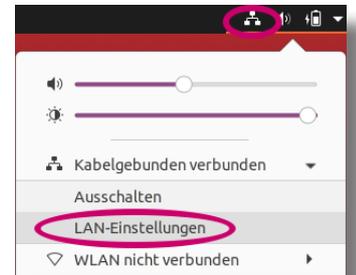


Fig. 3 NetworkManager

In the settings window that now opens, *fig. 4*, you will see the status *Not set up (Nicht eingerichtet)* for VPN. Click on the »+« for VPN and select *Import from file (Aus Datei importieren...)*, *fig. 5*.

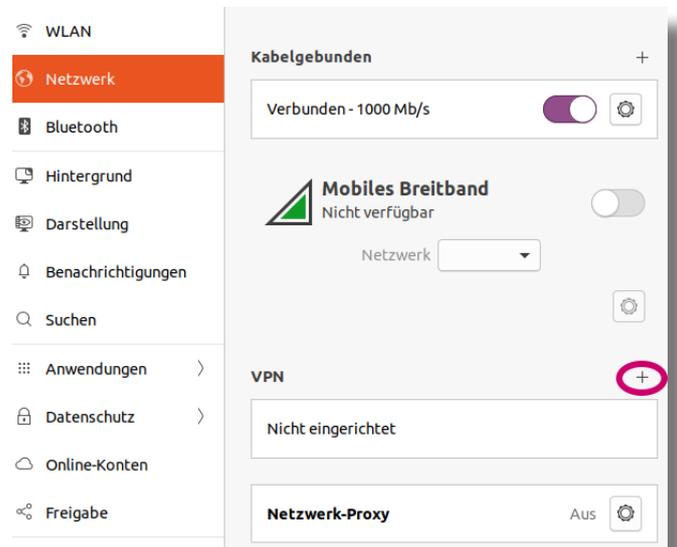


Fig. 4 Set up VPN

When prompted please select the file *charite-xyz.ovpn* (*xyz* is your standard user name in the Charité), *fig. 6*.



Fig. 5 Import VPN configuration

In the last step of the setup you will see the tab *Identity (Identität)* in the configuration window, *fig. 7*. Here you must enter the *user name (Benutzername)*. Then switch to the *IPv4* tab and click the *Use this connection only for resources on its network* box at the bottom, *fig. 8*. Then you can click on *Save* to complete the setup.



Fig. 6 Select the proper file

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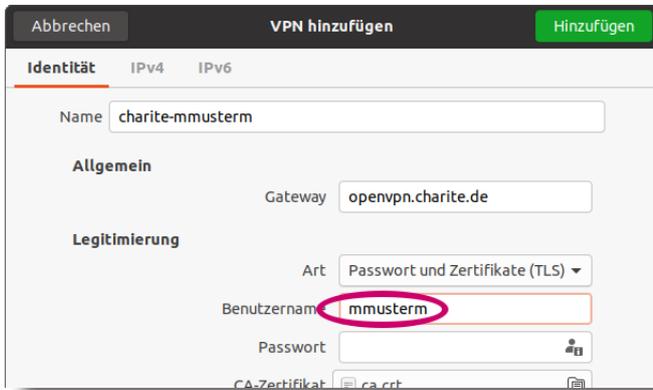


Fig. 7 Save the user name



Fig. 8 Configure Routing

Using VPN

In *NetworkManager*, select *Connect (Verbinden)* to establish the VPN connection, fig. 9.

Please Note: If you have multiple VPN connections configured in your account, a selection menu will appear instead of *Connect*; in this case select *charite-xyz* (*xyz* is your default user name in the Charité).

A window will now open for you to enter your password. The successful connection is confirmed after a few seconds with a small “VPN” symbol in the menu bar, fig. 10.



Fig. 10 VPN connection active

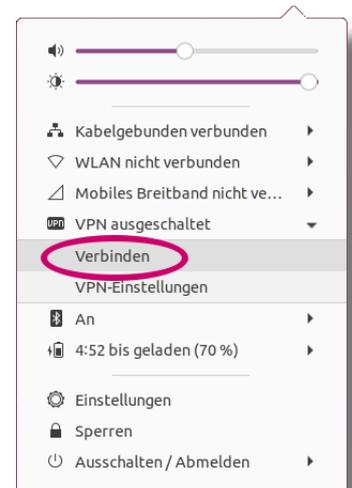


Fig. 9 Establish VPN connection

Testing the VPN connection

Please keep in mind that as long as you are connected to VPN you are required to work with the *Charité proxy*. You can find details in our appropriate guide at https://www.charite.de/itdok/proxy_user_guide.pdf

To check if the setting is correct using your browser go to <http://vpntest.charite.de>. Three green dots indicate a fully operational VPN, fig. 11. In case of errors you'll be given an indication of where to locate the problem and how to resolve it.

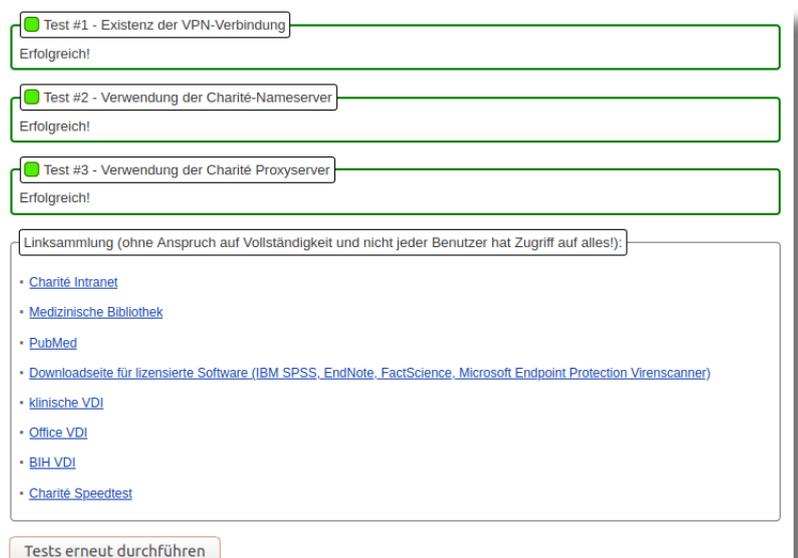


Abb. 11 website <http://vpntest.charite.de>