

VPN guide for Linux – Ubuntu

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:

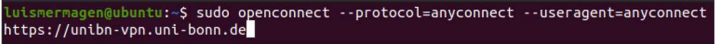

- Connections from **external** or home:
unibn-vpn.uni-bonn.de
- Connections from the WLAN or the network of the University of Bonn **internally**:
unibn-wlan.uni-bonn.de

Instruction manual using openConnect via the terminal – graphic interface only available in the newer versions.

Step by step guide

1. Open a terminal window with, for example, the key combination <STRG><Alt><T>.
2. enter the following commands: <pre>sudo apt install network-manager-openconnect sudo apt install network-manager-openconnect-gnome</pre>
3. Enter admin password and install.
4. Then restart the computer.

Using the VPN Client

<p>1. Search for 'Terminal' via the search feature and start it by pressing enter.</p>			
<p>2. Once the terminal opens, enter the following:</p> <table border="1" data-bbox="129 548 608 759"> <thead> <tr> <th>Openconnect Command</th> </tr> </thead> <tbody> <tr> <td> <pre>sudo openconnect --protocol=anyconnect --useragent=AnyConnect https://unibn-vpn.uni-bonn.de/</pre> </td> </tr> </tbody> </table>	Openconnect Command	<pre>sudo openconnect --protocol=anyconnect --useragent=AnyConnect https://unibn-vpn.uni-bonn.de/</pre>	
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<pre>sudo openconnect --protocol=anyconnect --useragent=AnyConnect https://unibn-vpn.uni-bonn.de/</pre>			
<p>3. Enter your login information and confirm. Once you are connected the terminal should look like this.</p>			
<p>4. To sever the connection, close the terminal window and press 'Close terminal' at the pop-up warning.</p>			