

# VPN - macOS with Intel processors

VPN is short for **V**irtual **P**rivate **N**etwork and helps create a secure and encrypted connection via the public internet. A condition for setting up such a connection is an existing internet connection. Furthermore, the protocol should not be blocked by the local provider.

In addition to the encryption, the client is allocated an IP-address from the address range of the University of Bonn once a VPN connection is established. Thereby, you gain access to services that are otherwise restricted to University computers.

A VPN connection can only be created after successful **authentication** with the **Uni-ID of the University of Bonn**.

This VPN connection is necessary in the following cases:

- using the BONNET WiFi at the University of Bonn
- using the majority of literature databases and electronic journals (eMedia) from home or otherwise
- working from home

Please note that a service might be restricted further and that a VPN is not always sufficient for access.

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## Setting up the VPN:

It is easiest to download and install the respective client for each operating system and to enter the appropriate server address:

- **external** connections from home:  
**unibn-vpn.uni-bonn.de**
- **internal** connections from within the university network:  
**unibn-wlan.uni-bonn.de**

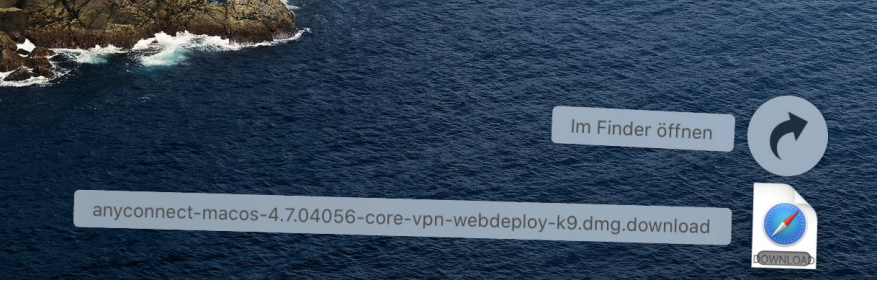
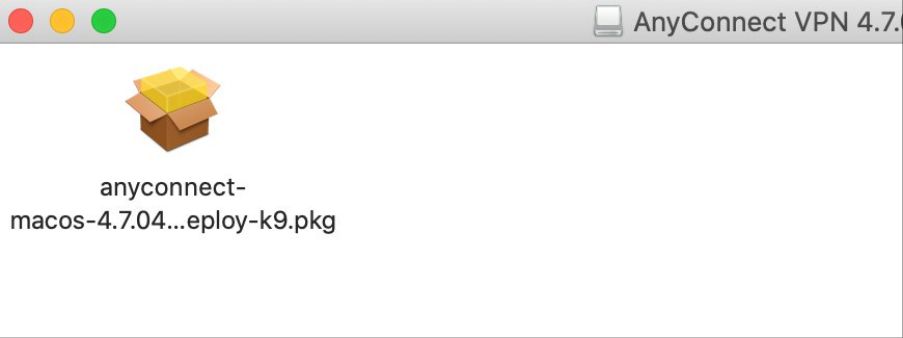

Attention! These are server addresses and not website links. Thus, they have to be entered into the **address bar of the VPN client** and not into the browser.

## Downloading and installing the VPN client:

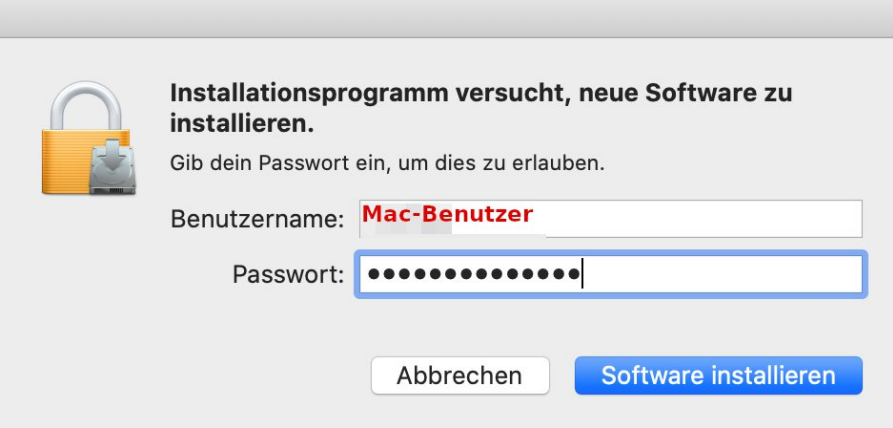
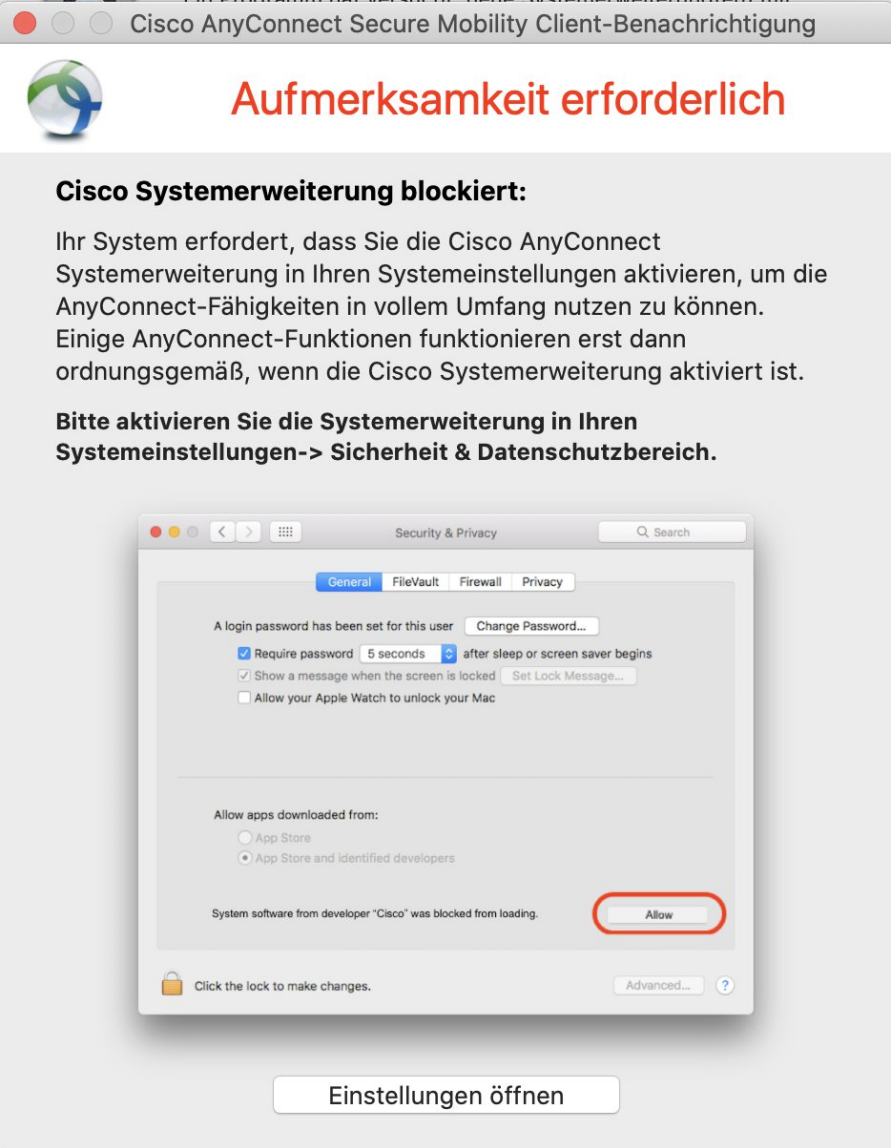
### Prerequisites

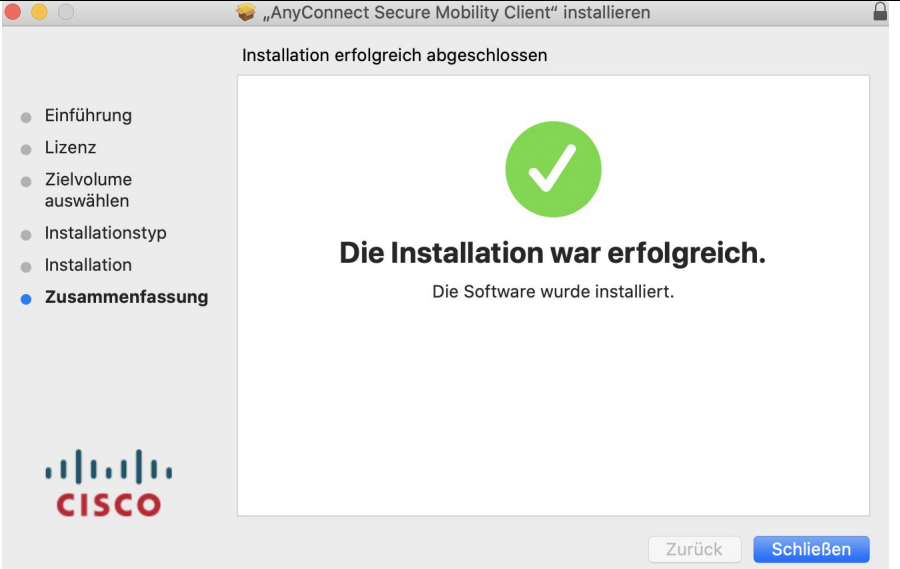
- A valid Uni-ID of the University of Bonn
- A stable internet connection (Wifi/ mobile or a network cable)

1	Open a current internet browser (Safari, Firefox, etc.).
2	Calling up the download for the Mac client: <a href="#">Current Client MacOS</a> . (Uni-ID and password are required to login to eCampus).
3	Download Anyconnect for Mac OS (You might need to give permission for the download.)

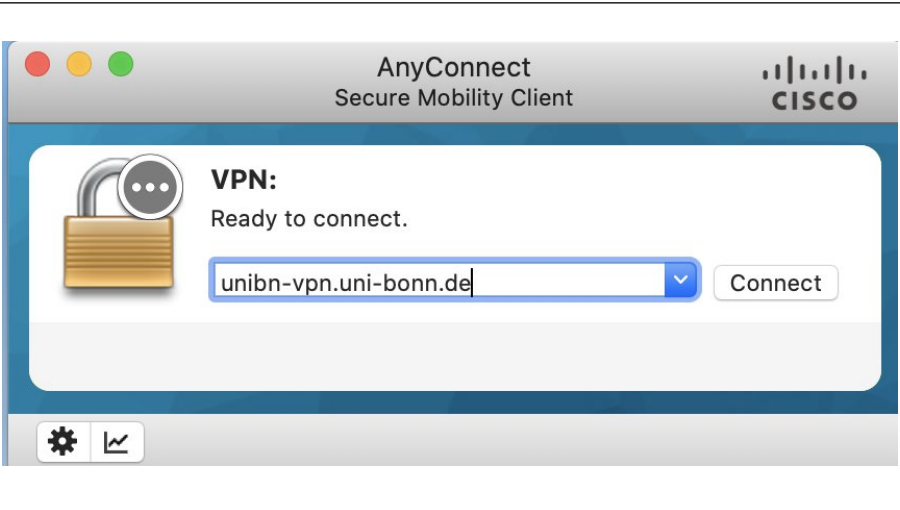
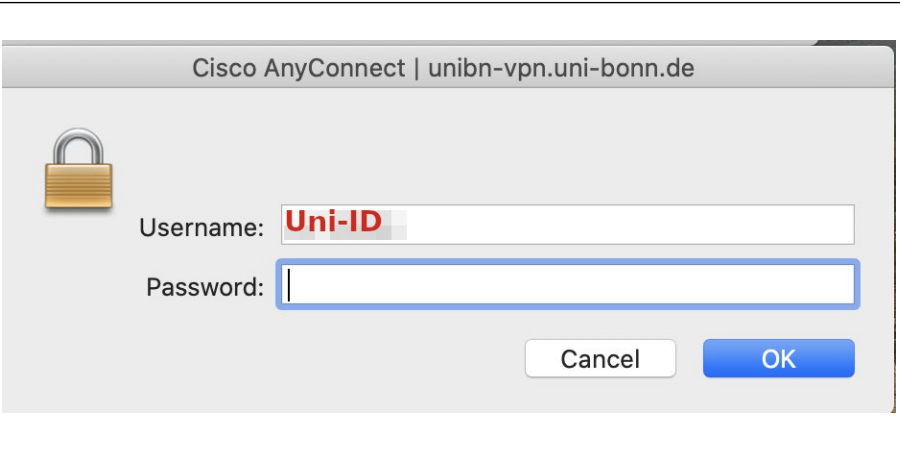
4	<p>The downloaded file with the extension .dmg is displayed in the Dock under Downloads, which must then be unpacked in the Finder with a double click.</p>	
5	<p>The anyconnect-macos-xxx.pkg file must now be installed by double-clicking on it.</p>	
6	<p>Now the individual steps of the installation programme must be carried out.</p>	

7	Please click <b>"Continue"</b> .	
8	To accept the license agreement, click on <b>"Accept"</b> .	
9	To carry out the installation, click on <b>"Install"</b> .	

<p>10</p>	<p>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.</p>	
<p>11</p>	<p>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 "Open settings" button and then selecting the "Allow" button under "General".</p>	

12	By clicking on "Close", the installation of the Cisco AnyConnect Client is successfully completed.	
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## Using the AnyConnect Client

1	Search for and start Cisco AnyConnect via search function or Launchpad. Now enter the VPN server for the external connection. <b>unibn-vpn.uni-bonn.de</b>	
2	Enter the University ID and the corresponding password here.	
3	If the connection is successful, the Cisco symbol with a lock appears in the dock.	

## Further notice:

To use the VPN client within the university network (BONNET), the following server address has to be entered after starting the VPN client:

**unibn-wlan.uni-bonn.de**

After installing both connections they can be immediately selected after starting the VPN client.