OpenVPN under Windows 8 and 10

Stand: b’28. April 2020’

1 Preamble

- The OpenVPN client software works under Windows 8 and 10. This manual has been tested with Windows 10 (64 bit).
- The installation of the OpenVPN client software must be carried out by a user with administrative rights on the local system.
- The installation requires working Internet access as files are downloaded. Optionally, you can also obtain the installer elsewhere and bring it to the target computer, e.g. via USB stick.
- The establishment of an OpenVPN tunnel to the HU requires network access, e.g. a connection to the HU-WLAN HU-VPN or a DSL connection.
- If you have already installed OpenVPN and want to use the HU configuration in addition to existing configurations, you only need to download the configuration files `hu-berlin.ovpn` and `hu-berlin Alternative.ovpn` into the OpenVPN configuration directory (usually \`C:\Programs\OpenVPN\config\`). After that, you should be able to use the HU configurations alongside your others.

2 Preparation

Depending on whether you use Microsoft Windows 10 or Windows 8, download the corresponding OpenVPN installer by clicking the following link:

```
OpenVPN-Installer-Windows 10
OpenVPN-Installer-Windows 8
```

3 Installation

The installation must be performed by a local user with administrative rights (e.g. administrator). You start the installation by double-clicking on the OpenVPN installer
saved in the previous step.

When the installer starts, you must confirm the execution by clicking on Yes or on Run.

Click on Next.

After reading the license agreement carefully, you should agree to it.
Click I Agree.
In the following dialog you are asked whether you want to automatically establish a VPN connection to the HU when starting the OpenVPN client. If you are not using any other VPN configurations besides the one of the HU, we recommend clicking on **Yes**. If you use other VPN configurations in addition to the one used by the HU and only select which one you want to use after starting the OpenVPN Client, click on **No**.

Click **Next** to agree to the component selection.

Start the installation by clicking on **Install**.
OpenVPN is now installed on your computer. Click **Next**.

Exit the installer by clicking on **Finish**.
4 OpenVPN connection

Double-click the ‘OpenVPN GUI’ icon on the desktop.

You may have to confirm the execution of the OpenVPN GUI with administrator rights at the first start by clicking on Yes.

If you have agreed during installation to the automatic connection after starting the OpenVPN GUI, skip the next step.

If you have rejected the automatic tunnel setup at startup, right click on the OpenVPN icon that has just appeared in the taskbar. Then click on hu-berlin. Then click Verbinden in the submenu that appears.

- A window with a login prompt now opens.
- Login with username and password.

Hinweis: Abhängig davon an welcher Einrichtung Sie Ihren Account haben, müssen Sie eine Erweiterung an Ihren Benutzernamen anhängen. Die Erweiterung können Sie der folgenden Tabelle entnehmen. Wenn Sie nicht wissen, wo Sie Ihren Account haben, ist er wahrscheinlich beim CMS (zentraler HU-Account).

<table>
<thead>
<tr>
<th>Einrichtung</th>
<th>Erweiterung</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physik</td>
<td>@physik.hu-berlin.de</td>
</tr>
<tr>
<td>Mathematik</td>
<td>@mathematik.hu-berlin.de</td>
</tr>
<tr>
<td>Informatik</td>
<td>@informatik.hu-berlin.de</td>
</tr>
<tr>
<td>CMS</td>
<td>keine Erweiterung</td>
</tr>
</tbody>
</table>

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If the connection could be established successfully, you will find a green OpenVPN symbol in the task bar with a corresponding success message.

5 Test OpenVPN Connection

Call up the page [https://meineip.hu-berlin.de](https://meineip.hu-berlin.de). The IP address which the OpenVPN client reports immediately after the connection is established should be displayed. It should also show "Sie befinden sich im HU-Netz!".

6 Split-Tunneling

For some users, it may make sense to send only traffic to the HU through the VPN tunnel - i.e. only packets addressed to 141.20.0.0/16. To realize this, the file hu-berlin.ovpn contains the two options by removing the comment characters (;) (Activate OpenVPN → Right click on OpenVPN icon in the task bar → Edit Config).

```
route-nopull
route 141.20.0.0 255.255.0.0
```

7 Problems with VPN

If you have problems, try our alternative configuration **hu-berlin Alternative.ovpn** in the OpenVPN client.