

Generate OpenVPN profile

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Schlüsselwörter

VPN OpenVPN ProfilGenerator

Lösung (öffentlich)

Users may generate an OpenVPN profiles tailored to their system and requirements. The OpenVPN programs allow the import of multiple profiles. You can download and generate your profile here:

[1]<https://selfservice.tu-dresden.de/services/vpn/openvpn>

Step 1: Specify operating system

Users may choose between five operating systems:

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Windows

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Linux

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macOS

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iOS

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Android

This selection covers the most common operating systems.

Step 2: Select tunneling

There are two types of tunneling:

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Full tunneling

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Split tunneling

With this selection, you decide which data is transferred via the secure tunnel.

Full tunneling

With full tunneling, all Internet traffic is transmitted through an encrypted tunnel to protect your data from hackers and eavesdroppers. So you connect to the TU Dresden campus network and go to the internet from this secure network.

From the point of view of targets on the Internet (such as online journals), you have an address of the TU Dresden.

Full tunneling Split tunneling

With split tunneling, you dial into the TU Dresden campus network to access your data on the campus network. Web activities that do not require dialing into the campus network are allowed direct data transfer without encryption via the campus network. Thus, the speed of web activities is not affected by the VPN and you can access your network printer on site. Protective measures against malicious systems on the internet that are in place in the university campus network will not be effective on your system.

From the point of view of targets on the Internet (such as online journals), you do not have an address of the TU Dresden.

Split Tunneling Step 3: Set transport protocol and port

The OpenVPN connection can be established via various transport protocols and port numbers. In general, the standard variant UDP 1194 should always be selected. However, it is possible that in some networks (e.g. in some public WLANs) particularly restrictive access rules apply, which actively limit/disadvantage or even completely block connections via UDP 1194.

For these cases, we provide alternative access via other port numbers or the TCP transport protocol. In case of problems, try the alternatives in the

following order:

UDP 1194 (Empfohlen)

UDP 53

TCP 1194

TCP 443

VPN connections via TCP are only recommended in exceptional cases where no or no stable connection can be achieved via UDP. VPN via TCP can lead to considerable speed losses and latency problems (TCP Meltdown).

Step 4: Zusammenfassung und Download der Datei

Finally, the selected settings are summarized and the profile is offered for download.

[1] <https://selfservice.tu-dresden.de/services/vpn/openvpn>