



BAB TECHNOLOGIE GmbH

EIBPORT 2.1 VPN Server

Date: 10/ October 2016

EN



OPTIMAL DATA SECURITY

To achieve adequate data security during Internet-based access to an EIBPORT 2.1, we recommend using a VPN connection. For this purpose, the EIBPORT 2.1 has been extended with an integrated VPN server in firmware 0.11.8. (Please see www.bab-tec.de for information on how to update an EIBPORT 2.1)

A VPN is a virtually created network between two participants that secures the connection against unauthorized access by using encryption. Additionally, the participants are connected as if they were members of the same private network.

PREPARATIONS

Please download a supported OpenVPN client software for your operating system.

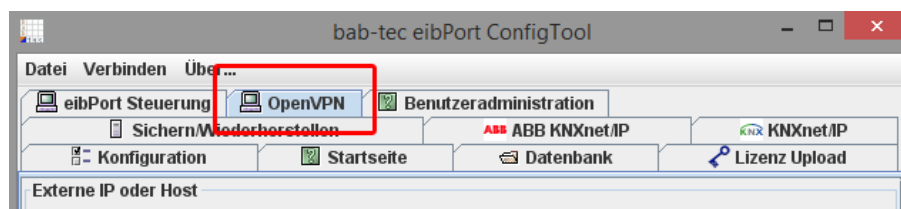
- Windows: „OpenVPN“ (<https://openvpn.net/index.php/download/community-downloads.html>)
- MAC OS: „Tunnelblick“ (www.tunnelblick.net)
- Android: „OpenVPN Client (Free)“ (from the Google PlayStore)
- iOS: currently not supported

Please note:

This method requires port forwarding to be active in your router for the EIBPORT (UDP Port 1194).

ESTABLISH A VPN CONNECTION WITH A WINDOWS PC

- Access „System“ – „OpenVPN“ in your EIBPORT.

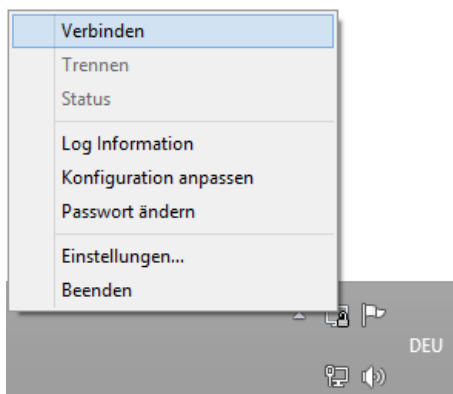


The OpenVPN server of the EIBPORT 2.1 supports 4 simultaneous VPN connections. Every connection requires an individual configuration file. These separate configuration files can be generated and downloaded in the areas „Client 1“ – „Client 4“ by clicking on the corresponding buttons.

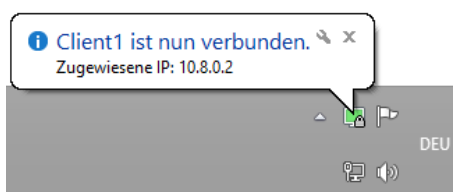
- Click on “Download Configuration File” to download the file. You will receive a file with the extension .ovpn.
- Copy the OpenVPN configuration file '[Name].ovpn' into the 'config' directory of the OpenVPN client installation (for Windows-„OpenVPN GUI“ the default path is: „C:\Program Files\OpenVPN\config“).
- Then start „OpenVPN GUI“ via Windows Start menu. The OpenVPN GUI icon will appear in the Windows System Tray



- You can now establish the connection using the context menu of the icon (right-click the icon)



- A successfully established connection will be indicated by a notification pop-up and by the icon turning green



You can now reach the EIBPORT on the IP address, which has been assigned to the EIBPORT as VPN server in this scenario. The IP addresses are determined by the configuration files, can currently not be changed, and are as follows:

Client 1

Server IP address (eibPort) = 10.8.0.1
Client IP address = 10.8.0.2

Client 2

Server IP address (eibPort) = 10.8.0.5
Client IP address = 10.8.0.6

Client 3

Server IP address (eibPort) = 10.8.0.9
Client IP address = 10.8.0.10

Client 4

Server IP address (eibPort) = 10.8.0.13
Client IP address = 10.8.0.14

ESTABLISH A CONNECTION WITH MAC OS

- Click on “Download Configuration File” to download the file. You will receive a file with the extension .ovpn.
- After you have installed Tunnelblick (see above), the Tunnelblick icon will appear in your menu bar. You can drag the downloaded configuration file with your mouse onto the Tunnelblick icon.





- This will open an additional dialogue which allows you to establish the connection.



- Click on “Connect”. The connection will be established. A successful connection is indicated by the Tunnelblick symbol turning active and the font becoming green.



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Server IP address (eibPort) = 10.8.0.9
Client IP address = 10.8.0.10

Client 4

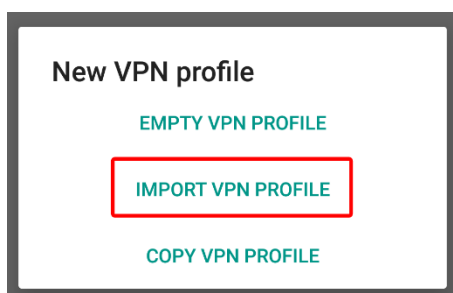
Server IP address (eibPort) = 10.8.0.13
Client IP address = 10.8.0.14

ESTABLISH A VPN CONNECTION WITH ANDROID DEVICES

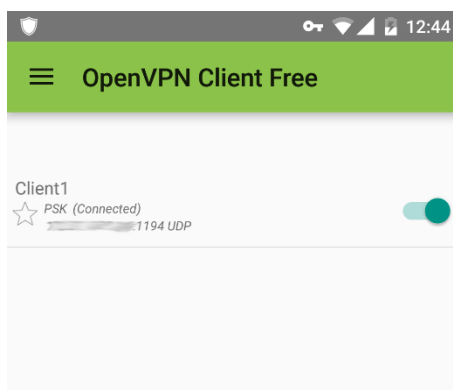
- Click on “Download Configuration File” to download the file. You will receive a file with the extension .ovpn.
- After you have installed the app mentioned under “Preparations”, please transfer this file to your Android system. We recommend using a USB connection.
- Start the app. You can import OpenVPN configuration files by tapping the „Plus“ symbol.



- Click on “Import VPN Profile” to access the download folder of your Android device. Then select the correct configuration file.



- The imported configuration files will be shown in a list



- You can activate the connection using the slider button next to the corresponding configuration

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Client IP address = 10.8.0.10



Client 4

Server IP address (eibPort) = 10.8.0.13

Client IP address = 10.8.0.14

ESTABLISH A VPN CONNECTION WITH IOS DEVICES

Unfortunately not supported at this moment.