OpenVPN connection guide

NOTE: The following guide assumes that you are using Ubuntu Linux software. On the other distributions (especially not Debian-like) may need to adjust some settings.

Install OpenVPN using the following command:

```
sudo apt install openvpn
```

Then, create a configuration file in your home directory called `mim-gw.ovpn` and paste the following setup:

```
client
proto udp
dev tun
remote mim-gw.rtbhouse.net 1194
resolv-retry infinite
nobind

auth-user-pass

;data-ciphers AES-256-CBC
cipher AES-256-CBC

persist-key
persist-tun

status openvpn-status.log
verb 3

<ca>
-----BEGIN CERTIFICATE-----
MIIFTTCCAzWgAwIBAgIUCnYio2zwg1a+S3XJG7j0viw/vUcwDQYJKoZIhvcNAQEL
BQAwFjEUMBIGA1UEAwwLRWFzeS1SU0EgQ0EwIBcNMjIwMTIwMTkyMjQzWhgPMjEy
MTEyMjcxOTIyNDNaMBYxFDASBgNVBAMMC0Vhc3ktUlNBIENBMIICIjANBgkqhkiG
9w0BAQEFAAOCAg8AMIICCgKCAgEA1hqAI1zhDnZwUB/Jub6CRs43he82RKF61vIR
DX4nvvmJ/jke4gG1jt6xG4KkSzO7QE9XXQCM9W/jb4LMV4cl/dJts8x+3VtVnemQ
4d1YtRYtSLKSu2RhqLtXgN63I6miBuSizM0DZ1nctEQtbHhyDIdi8OKrn20v6nAE
4X6Un7YMLv7UNApltwUrAN/psurM+IQGt/06KCL8l4HiCXWx+7r73v6ClrCuUpub
B2wtKUjVrKHLOnaE9prgvYRmWR/nKEObtVPUtNE/OzqF43mgtNf1H6wpTSVRKuf+
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CHxOlhJ5+xKWUcmu4UyHQUpTGw7wD2vFteKNOsBu2UnlWq00ajE82qeaEo+2fs/R
jymsfbyJrSdXMiybrso956hQAMJxuEQTPuI1YL0PEeZKES7o4Bzt4FqaBMoN3kHv
JYzBLnfY+d0NACs63riyMN7UBoSDUmE9vMi3fUwssrgHmV3ALgqUqvL0lQZt8jbV
2bvXHmOqEgI45CC+fsMD7hsxzSAX4KyAYq9xsfpfsju/Ln5lV9o3RwVfhX3EXlzJ
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vWvSxKkCAwEAAaOBkDCBjTAdBgNVHQ4EFgQUqwDEGI3DdFiWWr3VMUPP3Ji850Qw
UQYDVR0jBEowSIAUqwDEGI3DdFiWWr3VMUPP3Ji850ShGqQYMBYxFDASBgNVBAMM
C0Vhc3ktUlNBIENBghQKdiKjbPCDVr5LdckbuPS+LD+9RzAMBgNVHRMEBTADAQH/
MAsGA1UdDwQEAwIBBjANBgkqhkiG9w0BAQsFAAOCAgEAyD0py+LSwM+Mr1Dyk5XQ
bZLnCd1w6gH3AizxxUVq16dyryw0l+DIeK3f1UX2QuhLsmjLobjQ47b8OzkRR/XI
3HFRgt7dIpfORXU6Y05vcW9duEqUw4yEq9KD5Q2pF3Scwr5mKzxHqTnY14DJofSo
Zv1G4qWR1Q0axI9JYSD2H9asptkPSv591RjieLQtKcDNy/xRUyiLyXTJlSNiHk+t
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j2cFPMCW6qqIwcVkY3m5FmNRLJw+p86gzghTgQnvQvHXgOfEfBxrlDvE7BM9V7/z
L9A7nwubQ0bp4PKNEviNh7NAFoqjnzpL/5Mn1B3wYr13IHqVjYskLlSTFWLTb/d9
QdECeeTJxTi7aJVHmHFIVewypeqW6wPHYNE9Fu9vPQ2JY4S/3Q9Ky0fpA/71yitd
BsYngUkid6A9bZHtxhgcrMM=
-----END CERTIFICATE-----
</ca>
```

To start the VPN connection use the following command line:

```
sudo openvpn --config mim-gw.ovpn
```

You will be prompted to enter the username and password - these should be provided to you by the instructor during the first classes. After successful authentication, the OpenVPN stays in the foreground on the console. Leave it as long as you need. To close the VPN connection, hit CTRL+C on the console.

Troubleshooting:
- the provided configuration file was tested on the OpenVPN 2.4.7, if you use newer versions of the OpenVPN (2.5.0 and above) you may need to uncomment the line with data-ciphers parameter

MS Windows:
- Download and install OpenVPN Connect from https://openvpn.net/client-connect-vpn-for-windows/.
- Create the same config file as above and provide it as a configuration in the connection wizard.