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Virtual Private Network (VPN) access service for Windows operating systems



Document information

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Version control

Version	Description of the changes	Date
1.0	Creation of the document	21/04/2016
1.0.1	Update download link for the configuration file	25/04/2016
1.0.2	Correction download links	26/06/2017
1.1	Upgrade to new VPN-TSC version. No support for XP or 32 bits systems	24/03/2020
1.2	Update OpenVPN download link	26/03/2020



Introduction

In order to make use of the VPN access service, it is necessary to install on a personal computer (fixed or laptop) a client program to make the connections.

This service will allow to establish a secure connection to the department's network from the outside of the UPC via the Internet, in order to guarantee the privacy of the transmitted information and the protection of the internal network's information systems. The system is based on the use of an encrypted communication channel between the personal computer and the VPN server, which only its originator has access to. When the user requests a connection of this type, the login and password of the department will be requested and a communication channel will be generated, which will remain active until the end of the connection.

How to access the VPN service

1. You must send an email to sitsc@tsc.upc.edu requesting access to the VPN service. In the email you must specify your TSC Intranet username.
2. Download the OpenVPN software version for your Windows version according to our computer architecture from:

<https://openvpn.net/community-downloads/>

SOURCE TARBALL (GZIP)	GnuPG Signature	openvpn-2.4.8.tar.gz
SOURCE TARBALL (XZ)	GnuPG Signature	openvpn-2.4.8.tar.xz
SOURCE ZIP	GnuPG Signature	openvpn-2.4.8.zip
WINDOWS 7/8/8.1/SERVER 2012R2 INSTALLER (NSIS)	GnuPG Signature	openvpn-install-2.4.8-i602-win7.exe
WINDOWS 10/SERVER 2016/SERVER 2019 INSTALLER (NSIS)	GnuPG Signature	openvpn-install-2.4.8-i602-win10.exe

In this link you will find a box where you can select the appropriate version.

3. Install the program as an Administrator user. Right click, Run as *Administrator*.
4. Copy `vpn_tsc.ovpn` configuration file that you can find in:

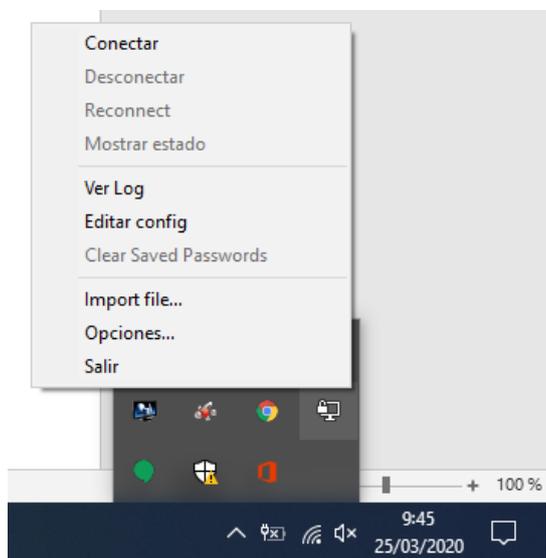
<https://intratsc.upc.edu/vpn/config.php> to the local directory which, depending on the version and the language, is:

```
"C:\Arxius de programa\OpenVPN\config",
"C:\Archivos de Programa\OpenVPN\config" o
"C:\Program Files\OpenVPN\config".
```

How to use the VPN service

In order to use the service, you need to have received the confirmation that we have been registered previously.

1. A client shortcut icon will be created on the desktop during installation. Right-click and select *Run as Administrator*.
2. It can also be accessed from the Windows main menu by pressing *Start* and typing "OpenVPN GUI". In this case, the OpenVPN client must be run as the *Administrator* user.



3. Finally, we right click on the icon in the bottom bar to the right and select Connect or double-click. In the credentials box you must enter the username and password which are the same ones that are used for access to the department Intranet.

From that point on it is already connected through the VPN and, therefore, it can access the systems and services of the internal network, as well as those of the UPC and the Internet, as if we were physically doing it from the department's own network.

If you have a problem with the installation of the software or the use of the service, you can consult the FAQ section of the Intranet dedicated to this service and, if the problem is not resolved, you can contact IT support staff by email sitsc@tsc.upc.edu.