## **OpenVPN** for macOS

To use OpenVPN on macOS we don't have an official client, so we have to use a third-party application, Tunnelblick, which is the most recommended option to open an OpenVPN connection on macOS.

This manual has been made using macOS Ventura and Tunnelblick in its **stable version v3.8.7a**.

Installation is not explained in this manual.

## Connecting to the VPN using Tunnelblick

Once the software is installed, we open it to add a new VPN connection:



To add a new connection, click on the "+" symbol in the lower left corner:



As we can see, to create a new connection we have to drag the configuration file to the *Configurations* section. In our case it would be the *cusernames.ovpn* file. We do it and a new connection will be created:

Depending on the computer we are working on, we may be interested in creating the connection only for our user or available to everyone. In this case, it will be only for our user, therefore, "*Only me*".



And it will ask us to enter the user's (of the computer) password to allow it to make changes:



Once created, it will appear in the box on the left.

• • Configuraciones	Configuraciones Apariencia Preferencias Utilidades Información Entrar en modo admin
Configuraciones     client	Registro Ajustes
Conectar:	Manualmente
Establecer DNS/WINS:	Usar DNS
OpenVPN versión:	Por defecto (2.5.4 - OpenSSL v1.1.1I)
VPN registro nivel:	OpenVPN nivel 3 - Registro normal
En desconexión esperada:	No hacer nada
En desconexión inesperada:	No hacer nada
<ul> <li>Monitorear ajustes de red</li> <li>Enviar todo el tráfico IPv4</li> <li>Deshabilitar IPv6, a meno:</li> <li>Verificar si la aparente dire</li> <li>Avanzado</li> </ul>	a través de la VPN s que el servidor VPN sea accedido utilizando IPV6 acción de IP pública cambió después de la conexión
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In general, we are not going to modify the connection configuration, so we can click on "**Connect**":

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Configuraciones		Configuraciones Apariencia Preferencias Utilidade	👔 s Información Entra	r en modo admin
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	VPN registro nivel:	OpenVPN nivel 3 - Registro normal	$\bigcirc$	
	En desconexión esperada:	No hacer nada		
	En desconexión inesperada:	No hacer nada	$\bigcirc$	
	<ul> <li>Monitorear ajustes de red Enviar todo el tráfico IPv4</li> <li>Deshabilitar IPv6, a meno:</li> <li>Verificar si la aparente dire Avanzado</li> </ul>	a través de la VPN : que el servidor VPN sea accedido utilizando IPV6 ccción de IP pública cambió después de la conexión		
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When you do so, you will be prompted to enter your VPN credentials, your username and password:

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Código d	e Seguridad:					
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If we have entered it correctly and everything went well, we have successfully connected:



Once connected to the VPN, we can connect via SSH to the TeideHPC login node using the terminal:



To disconnect, we can do it from the application itself or from the application icon on the top bar:

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In case of connection problems, the "**Logging**" tab is available to view connection messages and debug a possible problem.

	Configuraciones Apariencia Preferencias Utilidades Información Entrar en modo a
Configuraciones	Registro Ajustes
IF	13:58:51 *Tunneblick: DNS servers '8.8.8' ware set manually 13:58:51 *Tunneblick: DNS servers '8.8.8' will be used for DNS queries when the VPN is active 13:58:51 *Tunneblick: The DNS servers include only free public DNS servers known to Tunnebblick. 13:58:51 *Tunneblick: Varishbirdiscoveryull not present. Not flushing the DNS cache via discoveryutil 13:58:51 *Tunneblick: Notified mDNSRespondert. Not flushing the DNS cache via discoveryutil 13:58:51 *Tunneblick: Notified mDNSRespondert. Not flushing the DNS cache via discoveryutil 13:58:51 *Tunneblick: Notified mDNSRespondert that the DNS cache was flushed 13:58:51 *Tunneblick: Notified mDNSRespondert that the DNS cache was flushed because it is not running 13:58:51 *Tunneblick: End of output from client.up.tunneblick.sh 13:58:51 *Tunneblick: Setting and the passwords in memory – use the auth-nocache option to prevent this 2022-11:16 13:58:51:391:221 WARNING: this configuration may cache passwords in memory – use the auth-nocache option to prevent this 2022-11:16 13:58:51:391:275 MANAGEMENT: >STATE:1668607131.CONNECTED.SUCCESS,10.8.0.49.46:27.145.130,1194,192.168.1.161,50904 2022-11:16 13:58:52:620204 *Tunneblick: Routing Into stdout:
	route to: 8.3.8.8 destination: 8.8.8 gateway: 192.168.1.250 interface, end
	route to: 8.3.8.3 destination: 8.8.8 gateway: 192.168.1.250 interface: en0 ftags: cUPCATEWAY,HOST,DONE,WASCLONED,IFSCOPE,IFREF,GLOBAL> recorpise sendpipe sathresh rtt.msec rttvar hopcount mtu expire 0 0 600 50 26 0 1500 0 stderr:
	route to: 8.3.8.3 gateway: 192.168.1.250 interface: en0 flags: <ul> <li>LPCATEWAY.HOST.DONE, WASCLONED.IFSCOPE.IFREF.GLOBAL&gt; recvpipe sendpipe sathresh rtt.msec rttvar hopcount mtu expire 0 0 50 50 26 0 1500 0 stderr:</li> <li>Interface: State of a flags of the fl</li></ul>