

# Configuring IITD VPN

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Requesting your VPN credentials

Windows Configuration

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# Requesting your VPN credentials

Please refer the following link for more information:

<https://csc.iitd.ac.in/services-network-vpn.php>

- ▶ Write an email to [sysadm@cc.iitd.ac.in](mailto:sysadm@cc.iitd.ac.in) from your institute email id. Subject can be "VPN Request - entry number".
- ▶ Mention that you need it for the purposes of this course and send.
- ▶ You should get a reply within 24 hours with instructions for setup and use. Download the certificates and client depending on your OS:
- ▶ For Windows: Use [OpenVPN](#)
- ▶ For MacOS: Use [TunnelBlick](#)
- ▶ Linux users can configure settings from [native clients directly](#)

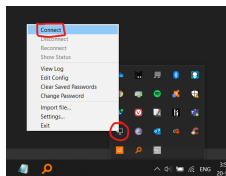
# Configuration for Windows

Download <https://openvpn.net/community-downloads/> for windows on your desktop

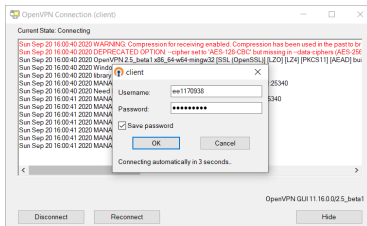
- ▶ Post installation, Download "yourID.crt", "yourID.key", Pre-shared server key "ta.key", client configuration file "client.ovpn" from the mailed link and IITD CA certificate "CCIITD\_CA.crt" from [CSC website](#) to "C:\ProgramFiles\OpenVPN\config" directory (or your own installation directory)
- ▶ Right click on OpenVPN GUI and click run as administrator
- ▶ Open the GUI system tray and right click on the ovpn client, and click connect. Enter your kerberos credentials (same as moodle credentials) in the prompt.

That's it. Test your connection by visiting internal sites like <https://eadmin.iitd.ac.in/> or <https://ecertification.iitd.ac.in/>

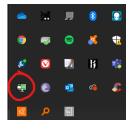
# Configuration for Windows (cont.)



(a) Start the Client



(b) Enter your kerberos credentials



(c) Done!

Figure 1: Windows Configuration

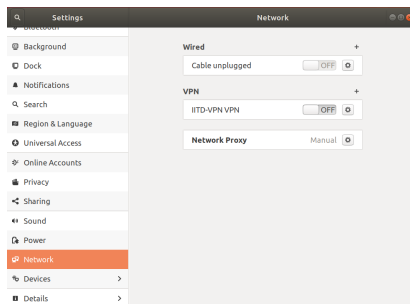
# Linux Configuration

Make sure you have OpenVPN, along with the GUI installed: `sudo apt-get install network-manager-openvpn openvpn`

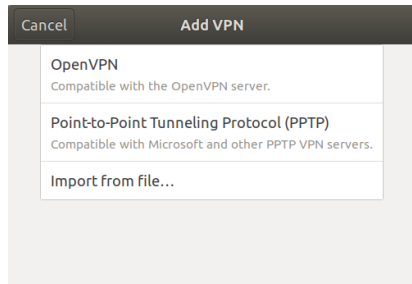
- ▶ Post installation, Download "yourID.crt", "yourID.key", Pre-shared server key "ta.key", client configuration file "client.ovpn" from the mailed link and IITD CA certificate "CCIITD\_CA.crt" from [CSC website](#).
- ▶ Go to settings Network Settings VPN and click on the + symbol
- ▶ Follow the steps shown in the figures below, finish setup by inputting your kerberos details.

That's it. Test your connection by visiting internal sites like <https://eadmin.iitd.ac.in/> or <https://ecertification.iitd.ac.in/>

# Linux Configuration (cont.)



(a) Go to Network Settings



(b) Add VPN, then OpenVPN

Figure 2: Linux Configuration

# Linux Configuration (cont.)

The screenshot shows the 'IITD-VPN VPN' configuration window with the 'Identity' tab selected. The 'Name' field is set to 'IITD-VPN'. Under the 'General' section, the 'Gateway' is 'vpn.iitd.ac.in'. Under the 'Authentication' section, the 'Type' is 'Password with Certificates (TLS)'. The 'User name' is 'ee1170938'. The 'Password' is masked with dots. The 'CA certificate' is 'NEWCCIITD-CA.crt'. The 'User certificate' is 'ee1170938.crt'. The 'User private key' is 'ee1170938.key'. The 'User key password' field is empty. There is a 'Show password' checkbox and an 'Advanced...' button.

Cancel IITD-VPN VPN Apply

Details Identity IPv4 IPv6

Name IITD-VPN

**General**

Gateway vpn.iitd.ac.in

**Authentication**

Type Password with Certificates (TLS)

User name ee1170938

Password .....

CA certificate NEWCCIITD-CA.crt

User certificate ee1170938.crt

User private key ee1170938.key

User key password

☐ Show password

Advanced...

(a) Follow these settings exactly



# Linux Configuration (cont.)

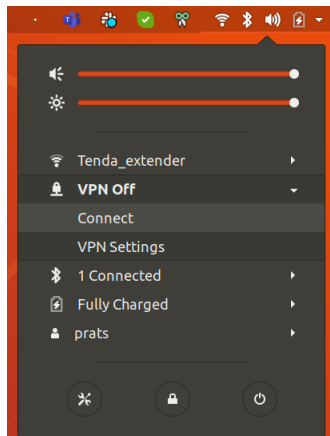


Figure 4: Done, connect to VPN

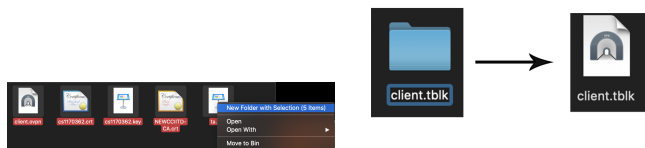
# Mac OS Configuration

Install tunnelblick from the link given in the mail, install the latest stable version

- ▶ Post installation, download `yourID.crt`, `yourID.key`, Pre-shared server key `ta.key`, client configuration file `client.ovpn` from the mailed link and IITD CA certificate `CCIITD_CA.crt` from [CSC website](#).
- ▶ Move all the 5 files into a single folder, and name the folder `client.tblk`
- ▶ Drag the `client.tblk` file to the tunnelblick icon in menu bar (follow steps in the following pages for clarity)
- ▶ Enter your credentials when prompted

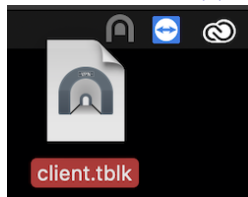
That's it. Test your connection by visiting internal sites like <https://eadmin.iitd.ac.in/> or <https://ecertification.iitd.ac.in/>

# Mac OS Configuration (cont.)



(a) Create a new folder

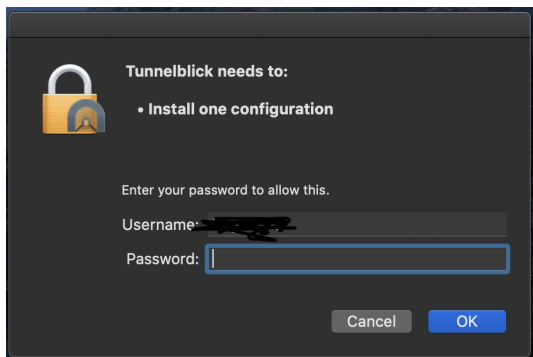
(b) Rename the folder



(c) Drag and drop  
client.tblk to tunnelblick  
icon in the menu bar

Figure 5: Steps for Mac OS

# Mac OS Configuration (cont.)



(a) Enter your mac credentials

# Mac OS Configuration (cont.)

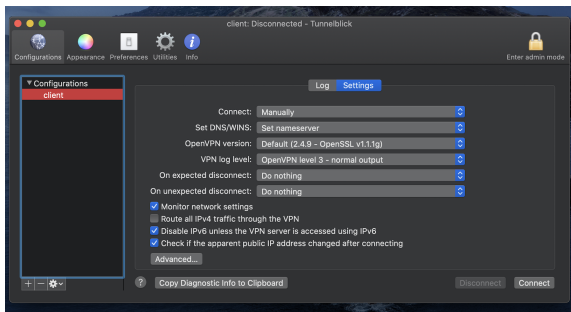


Figure 7: Done, connect to VPN (will ask for your kerberos credentials for the first time)