How to remote access a computer in ENCS office

Contents

Setup user-managed computer in your office 1

Remote Desktop office computer via Concordia VPN 7
  For Windows 10 8
  For MAC computer 11

Remote Desktop user-managed computer via SSH Tunnel 13
  For Windows 10 13
  For MAC 19

Note: If your office computer is
  ● ENCS analyst-managed, skip step 1.
  ● user-managed and its IP address is like 192.168.xxx.xxx, Remote Desktop does not work on Concordia VPN, you have to SSH tunnel to ENCS network. Skip step 2.

1. Setup user-managed computer in your office

Note: If the computer is analyst-managed, skip Step 1

To allow remote access to a Windows computer in your office, these options have to be enabled.

  ● Right click on This PC and choose Properties
  ● Select Remote settings
  ● On the System properties, choose the Remote tab.
- Check the option of “Allow remote assistance connections to this computer” and “Allow remote connections to this computer”

- Click “Select Users”
Remote Desktop Users

The users listed below can connect to this computer, and any members of the Administrators group can connect even if they are not listed.

umroot already has access.

Add...  Remove

To create new user accounts or add users to other groups, go to Control Panel and open User Accounts.

- Click “Add”
● Click “Advanced”
- Click “Find Now”
Select the user you want to log in “Remote Desktop”, example: umroot. Then click ok, ok, ok, ok to close those windows.
2. Remote Desktop to office computer via Concordia VPN

You need to download and install FortiClient on your Windows computer. Please follow these steps:

1. Visit the MyConcordia portal and select the Windows FortiClient from within the Software and Applications menu. Select and download the appropriate version based on your Windows Operating System version: 32 or 64 bits.

2. Open the FortiClient installer and agree to the 'Terms and Conditions' License Agreement before clicking 'Next'.

3. When prompted, click 'Next' on the two subsequent screens, select 'Install', and then 'Finish'.

4. Once the installation is successful, open the FortiClient software from the shortcut on your desktop.

5. You will be required to provide a valid Concordia netname and password to establish a VPN connection.
For Windows 10

In the search field on the left-bottom corner, type remote desktop connection to launch the Remote Desktop app, in the pop-up window, click “show options”, you will get the following window.

Replace **HOSTNAME** with the computer name in your office. Ask Service Desk if you don’t know the hostname, but be sure to provide your office number.

Replace **YOUR ENCS USERNAME** with your ENCS username. Please don’t forget adding the leading string “encs\” before your ENCS username.

Take this for example,

**HOSTNAME**: ev-service-agen.encs.concordia.ca
**User Name**: encs\su_bha
After entering your password on the next page, ignore the certificate by clicking the **Ok** button.
You will then be prompted to this screen. Check “Don’t ask me again for connections to this computer” and then click on Yes.

Now you should be able to login your office computer via Remote Desktop.
For MAC computer

After downloading the remote desktop application from the app store, click on “Add PC”.

1. Enter the hostname of your pc in the format “hostname.encs.concordia.ca” and rest of the configuration described in the screenshot below.
2. Enter the hostname as “encs\ENCS-USERNAME” password in the below fields. Make sure you put a prefix of “encs\” before the hostname.

3. When you successfully complete a setting it will be saved with your hostname as shown below. Right click on its icon and click on connect and do perform point #2 again.
3. Remote Desktop user-managed computer via SSH Tunnel

The following page describes the procedures for establishing a SSH Tunnel and connecting the client (home) machine to your office machine.

For Windows 10

A SSH tunnel is necessary to ensure secure communication between the two machines. Putty can be used as the SSH client software to establish the SSH tunnel. Putty is available for download from https://www.putty.org. Once installed, follow these steps to connect to the ENCS machine:

1) Download putty in your PC from https://www.putty.org

2) From start, search and run the app.

3) Under "SSH"-> Tunnels -> check both the boxes of "Local ports accept connections from other hosts" and "Remote ports do the same"
4) Under "SSH"-> Tunnels -> enter source port as "3391" and Destination as replace terawatt with your hostname "terawatt.encs.concordia.ca:3389"

5) click "Add" (replace terawatt with your hostname)
6) Now, under "Session" -> Host Name as login.encs.concordia.ca, Port 22 -> Saved Sessions enter "your-hostname_config" -> Click "Save"
7) Now click "Open".
8) Enter your ENCS username, press enter, ENCS password and press Enter, “do not close the black window, just minimize this to use Remote Desktop”

9) Open RDP and enter “localhost:3391” press “Connect”.
10) Enter your system username and system password, replace umroot with your local username.
After successful configuration:
From the second time, launch putty and click on “your-hostname_config” then click “load”.

PuTTY Configuration

Click on open, after that perform steps 8, step 9 and step10 for Remotely accessing your system.

For MAC

A. First download Microsoft Remote Desktop Client for MAC from the App Store in your MAC machine and install it.

B. Establish SSH Tunnel

Open terminal in MAC and type the following command.

```
sudo ssh -L 3391:hostname.encs.concordia.ca:3389 username@login.encs.concordia.ca
hostname is the machine name in your office
MAC password may be required to be entered
```
- Enter the MAC user’s password

```
$ sudo ssh -L 3391:guts.encs.concordia.ca:3389 wmp@login.encs.concordia.ca
Password: wmp@login.encs.concordia.ca's password: ❌
```

- Enter your ENCS password

```
$ sudo ssh -L 3391:guts.encs.concordia.ca:3389 wmp@login.encs.concordia.ca
Password: wmp@login.encs.concordia.ca's password: ❌
```

The SSH tunnel has been established

Download the remote desktop application from the App store.
Add your first desktop connection to get started.

- Click the “Add desktop”
Click Save
- Right click the image

- Select Connect

- Click Continue
Enter your user account
This user account will be used to connect to localhost:3391 (remote PC).

User Name: umroot
Password: [ ]

- Enter your account’s password, then click **Done**

You are connecting to the RDP host "localhost". The certificate couldn't be verified back to a root certificate. Your connection may not be secure. Do you want to continue?

- Click the **Continue**
• Click **Continue**

The Desktop screen of your ENCS office machine will be displayed.