Accessing Novell fileservers Remotely Working Remotely

If it becomes necessary that you work from home as a result of COVID-19 isolation requirements there are a number of options open to you. In all cases you must ensure that the machines connecting to Institute systems are patched with the latest security updates and are running anti-virus programs that are updating with the latest virus/malware information.

IP addresses in the screenshots in this document have been deliberately obscured.

It is not possible to allow remote connections to multi-user systems within the Institute. Remote access is only possibly from a single remote connection to a single user account on an Institute desktop.

1. If you have a laptop or desktop at home you must use the University of Oxford VPN client when accessing restricted University data and services from your home WiFi. Details of the University VPN can be found at:

https://help.it.ox.ac.uk/network/vpn/index

- 2. If you are transferring confidential or sensitive data from WIMM systems via USB drives or laptops then the data should be encrypted.
- 3. If you wish to access your WIMM server account home and shared folders remotely you will need to use the VPN client in order to log into the WIMM servers via the Windows MicroFocus client or the Macintosh native client.
- 4. If you want to access your WIMM home folder (not lab shared folders) remotely it is also possible to do this via a web interface, see:

https://netstorage.imsu.ox.ac.uk/

Accessing Novell home folders and shared drives remotely

You may want to access files and data on your own home machine without having to load a remote desktop session to your workstation on your desk.

On a Macintosh this is possible by connecting to the Oxford VPN. On a Windows PC, this is possible by connecting to the Oxford VPN and installing the client software.

Accessing Novell home folders and shared drives remotely from a Windows

Follow step one above with information on how to register for the remote access account and download, install and use the Oxford VPN software.

Once connected to the Oxford VPN, go to http://nwclient.imsu.ox.ac.uk/ and download the OES client (v2sp4ir13.exe at the time of writing). Do not download and install any of the ZCM agent links.

Install the OES client but it is very important to **not reboot** when prompted at the end of the installation process. Doing so will interfere with the normal Windows login screen. If Windows Defender SmartScreen pops up, select More info and Run anyway.

Windows protected your PC	×
Windows Defender SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.	
App: v2sp4ir13.exe Publisher: Unknown publisher	
Run anyway Don't ru	n

Choose Yes on the User Account Control screen if prompted.



No	Yes
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Leave the installer to run. When prompted to reboot, select Close.

Installation Complete



Navigate to the folder C:\Program Files\Novell\Client and run the program nwtray.exe

📕 🖓 📙	. ↓			Manage	Client			
File H	ome	Share	View	Application Tools				
$\leftrightarrow \rightarrow *$	1	> Thi	is PC → Loca	al Disk (C:) → Program	n Files →	Novell > Client		
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This D	c		🙆 cuage	nt		04/02/2020 20:38	Application	
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			🚳 libeay	32.dll		04/02/2020 20:38	Application extens	
			🗟 liblber	.dll		04/02/2020 20:38	Application extens	
			🗟 libldap	o.dll		04/02/2020 20:38	Application extens	
			🗟 libldaş	o_r.dll		04/02/2020 20:38	Application extens	
			🗟 libluni	code.dll		04/02/2020 20:38	Application extens	
			🗟 liblutil	.dll		04/02/2020 20:38	Application extens	
			🗟 ncsetu	ıp.dll		04/02/2020 20:39	Application extens	
			🗟 nldape	extd.dll		04/02/2020 20:39	Application extens	
			🗖 nwtray	/		04/02/2020 20:40	Application	
			🗟 rcuage	ent.dll		04/02/2020 20:40	Application extens	
			🗟 sciter.	dll		04/02/2020 20:40	Application extens	
			setupr	nc		04/02/2020 20:40	Application	
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22 items	1 item s	elected	93.0 KB					

A symbol with a white N in a blue square should have appeared in the system tray in the bottom right corner of the screen near the clock. If it is not there, click on the up arrow to expand the view.



Right click on the icon and select Client Properties. Select Yes if the User Account Control prompts.



Select the Advanced Login tab and select the parameter Client Logon. Change the setting to off.



Click OK.

> View > Sort by Refresh Paste Paste shortcut > New Folder Shortcut 📃 Display settings 🗾 Personalize Bitmap image Contact 🖆 Rich Text Document Text Document Compressed (zipped) Folder

In the box, enter *c*:*windows\system32\loginw32.exe* Click Next.

Right click on the desktop and select New, Shortcut.

🔶 🍙 Create Shortcut

What item would you like to create a shortcut for?

This wizard helps you to create shortcuts to local or network programs, files, folders, computers, or Internet addresses.

Brows	2
	Browse

Enter the name Login to WIMM Servers and click Finish. The shortcut will appear on your desktop. Now reboot your computer.

Login to your computer and connect to the Oxford VPN. Double click on the new shortcut on your desktop.



At the login prompt, enter your Novell credentials and click OK.

 \times

Client for	or Open Enterprise Server Login	×
N	Network Client Powered by Micro Focus Open Enterprise S	erver
Username: Password:	OK Cancel Advar	nced >>

Authentication should succeed and your usual drive mappings be visible. When you have finished, right click on the icon in the system try and select OES Connections. Select the tree IMSU and click Detach.

ES Connections					
ou are attached to t	he following:				
Resource	User Name	Conn No.	Authentication St	eDirectory Tree	Trans Type
Y * IMSU	CN=mattb				
🗐 * IDM	CN=mattb	4254	eDirectory Services	IMSU	IP
ULNA2	CN=mattb	124	eDirectory Services	IMSU	IP
APPSNEW	CN=mattb	44	eDirectory Services	IMSU	IP
ULNA1	CN=mattb	83	eDirectory Services	IMSU	IP
C					
Detach	Set Primary	Refresh			Close

Click refresh and all connections should have disappeared. Close the window. It is now safe to disconnect from the Oxford VPN.

OES Connections

resource	User Name	Conn No.	Authentication St	eDirectory Tree	Trans Type

Accessing Novell home folders and shared drives remotely from a Macintosh

Follow step one above with information on how to register for the remote access account and download, install and use the Oxford VPN software.

Once connected to the Oxford VPN, In Finder select Go, Connect to Server (it has the shortcut key Command + K).

Ś	Finder	File	Edit	View	Go	Window	Help				
					Ba Foi En	ck rward closing Fol	lder	೫[೫] ೫†			
						Recents Document	ts	企業F 企業O			
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						Computer AirDrop		ۍ አ በ ዕ <mark>አ</mark> ር			
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In the login window, enter the server address in the form of smb://labvol.imm.ox.ac.uk and click Connect, e.g. if in the Higgs lab, enter smb://higgsvol.imm.ox.ac.uk If you are unsure of what the server address, please contact us at help@imm.ox.ac.uk

0	Connect	to Server	
smb://higgsvol.im	m.ox.ac.uk		_
avourite Servers:			
+ - * .	?	Browse	Connect

If it is the first time connecting to the server you will see the following screen, click Connect.

***	You are attempting to connec "higgsvol.imm.ox.ac.uk".	t to the serve
•	Click Connect to continue.	
	Cancel	Connect

Enter your Novell credentials and click Connect. Don't be alarmed if it takes a while. I can take a short while on the Oxford VPN.

***	Enter your name and password for the "higgsvol.imm.ox.ac.uk".	server
	Connect As: 🔘 Guest	
	 Registered User 	
	Name: Password: Remember this password in my ke	evchain
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Remember this password in my ke	eychain

Once connected, select the correct volume and click OK.

"higgsvol.imm.ox.ac.uk":
CORNALL
DCLYNES
DIRECTORATE
DONG
FACSDATA
FAIRFAX
FLUWATCH
FRITZSCHE
FULGA
HIGGS
Cancel OK

The volume will then be mounted. When you have finished, unmount the volume then you can disconnect from the VPN.