Computer exercise and assignment technical things



To do exercises remotely, you need the following steps

1. mvafdi.aalto.fi (remote access server)

- Install from <u>https://mfavdi.aalto.fi</u> VMware Horizon Client according to your operating system to your own computer
- Use client to remote connect to mfavdi.aalto.fi
- Select mfavdi.aalto.fi as server. For Microsoft login, use [username]@org.aalto.fi or [email address]@aalto.fi . You need to have MFA set up (<u>instructions</u> here).
- Select **B018 Windows 10** Computer class and log in with your regular Aalto IT account. Snapshot below.
- 2. <u>Chemistry computer class B018</u> (remote access use)
 - Xming (run Xlaunch, snapshots of settings below)
 - Putty (log into Wihuri with your Wihuri student account, see snapshots for settings)
 - Do exercises in Wihuri. Possible to use for example VMD or ChemDraw also in B018 computer. WinSCP to copy files from Wihuri (see snapshots).
- 3. Wihuri.pub.chemistrylab.aalto.fi (linux cluster computer remote use)
 - Do exercises and assignment. If file transfers to standard Aalto IT system are needed, use WinSCP from B018 computer.

VMware Horizon Clier	nt					- 🗆 X
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Windows 10 - A046	Windows 10 - A046A	Windows 10 - A202B	Windows 10 - CHEM B018	Windows 10 - K1 148	Windows 10 - Maari C	Windows 10 - Maari E
Windows 10 - Maarintie 8 - AS5 (16	Windows 10 - Maarintie 8 - TU4 (11	Windows 10 - OK7 255	Windows 10 - Q301 - Eikon & Datastream	Windows 10 - Q301 - Eikon & SDC	Windows 10 - Q301 - Morningstar	Windows 10 - U257
Windows 10 - U344	Windows 10 - U351	Windows 10 - Vesitalo 229	Windows 10 - Väre - F011 ColorEdit	Windows 10 - Väre L208	Windows 10 - Väre M101	Windows 10 - Väre R102

Configuring PuTTy and Xming for running simulations in wihuri.pub.chemistrylab.aalto.fi & transferring files with WinSCP

- 1. The Windows desktop computer interacts with the linux server through the X-windows system which forwards the display from the server to the desktop computer. Software must be installed on the desktop computer to make this link work. In the Aalto system, this can be done using the PuTTy terminal emulator and the Xming X-window client.
- 2. To get Xming running, first run the application called 'XLaunch'. The default settings are fine (if your settings are not default, see the end of file for screen shots of functional settings)
- 3. To open a terminal window to Wihuri, run PuTTy with X11 Forwarding on. See screenshots below for functional settings.
- 4. To copy files from the Windows desktop computer to Wihuri, use WinSCP. Sample setup snapshots are below.

1. Configuring PuTTy

PuTTY Configuration	×
Category:	
Session	Basic options for your PuTTY session
 Cogging Terminal Keyboard Bell Features Window Appearance Behaviour 	Specify the destination you want to connect to Host Name (or IP address) Port wihuri.pub.chemistrylab.aalto.fi 22 Connection type: Raw Raw Telnet Rogin SSH Serial
- Translation - Selection - Colours	Saved Sessions
- Data - Proxy - Telnet	Default Settings Load Save
SSH Serial	Delete
	Close window on exit: Always Never Only on clean exit
About	Open Cancel



2) Configuring WinSCP

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Login - Wi	inSCP		Session File pro SFTP Host n wihuri User n [your]	otocol: ame: .pub.chemistry ame: _user_name] _ave	vlab.aalto.fi	2assword:	Port numbe	er: 22 ★
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2.	Parent directo	ory 25.1.2017 10:28:4	6	.		25.1.2017 12:54:22	rwxr-xr-x	root

3) Configuring Xming (XLaunch)

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 Multiple windows) Fullscreen	× ·
⊘ One window		One window without titlebar	
Display number	0		
	< Back	Next >	Cancel Help



Specify parameter settings Enter dipboard, remote font server, and a	Il other parameters.	K
✓ Clipboard	No Access Control	
Start the integrated dipboard manager	Disable Server Access Control	
Remote font server (if any)		
Additional parameters for Xming		
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Display settings		23
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