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Accessing Simula hosts from a remote location

Most hosts at Simula are behind the corporate firewall. There are however some possibilities to connect to these from a remote location.

Connecting through public host

The linux server login.simula.no has "two legs" one public and one internal. It can thus be used to connect to internal hosts (typical linux servers) by first ssh into login and then ssh further to the internal host.

Connecting through NAT server

We have a NAT (https://en.wikipedia.org/wiki/Network_address_translation) server (http://en.wikipedia.org/wiki/Network address translation) called dnat.simula.no which should be used if you frequently need to access a service (typically ssh) on a computer inside the corporate network. A port on the NAT server is then mapped to the needed port on the server. The host inside the firewall will need to have a fixed IP address. A typical use will be:

ssh -p 50131 dnat.simula.no

which will direct you to the ssh port (22) of the machine that is mapped to this number (i.e. port 50131 in this example).

Contact <u>IT support (https://sites.google.com/a/simula.no/support/?pli=1)</u> in order to get this service configured to your needs.

VPN

The third option is VPN. This will give you access as if you were connected to the network at Simula. To set up VPN follow the instructions below.

Downloading clients

Windows & Mac

1. Download the Windows and older Mac OSX (pre Mojave) clients from the following address: https://vpn.simula.no/via

For newer Mac OSX (Mojave) the client will have to (policy change by Apple) be downloaded from <u>iTunes</u> (https://itunes.apple.com/us/app/aruba-via/id1439900554?mt=12).

2. Log in with the following credentials:

Username: The same as the local part of your AD/Google email (the part before @)

Password: Your Simula password

VIA installers for various platforms		
Windows 32-bit	<u>ansetup, msi</u>	(Version: <u>2.3.4.0.86416</u>) <u>Delete</u>
Windows 64-bit	ansetup64.msi	(Version: <u>2.3.4.0.86416</u>) <u>Delete</u>
Mac OSX	<u>anviainstaller.pk</u>	1 (Version: <u>3.0.1.83403</u>) <u>Delete</u>

Linux

- 1. Download the <u>linux client here (https://intranet.simula.no/sites/default/files/aruba-via-3.1.1.1912102 ubuntu1404-x86 64 bin.zip)</u>.
- 2. Prior to running the executable you will need to install two packages:

sudo apt-get install gksu gdebi

For Ubuntu 18.04 and onwards you might have to install these two applications as well:

sudo apt-get install gnome-shell-extension-top-icons-plus gnome-tweaks

3. Unpack the client and make the executable able to run; e.g.:

chmod +x Aruba-VIA-3.1.1.1912102_ubuntu1404-x86_64_bin

4. Finally run the installer by issuing the following command

sudo ./Aruba-VIA-3.1.1.1912102_ubuntu1404-x86_64_bin

(given that above is the current name of the executable).

During the installation one will be asked "Enter storage password to initialize". Pick a suitable password to protect your login credentials.

iPhone and Android clients

Clients for these phones can be found in the App Store and Google Play. Search for "Aruba via".

Logging in

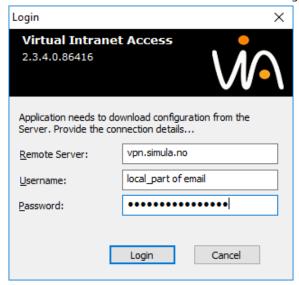
After the client is installed the user can log in by entering the following information in the client:

Remote Server: vpn.simula.no

Username: The same as the local part of your AD/Google email (the part before @)

Password: Your Simula password

The Windows login window looks like this:



Users using VIA VPN will get an IP address in the range 10.100.100.50-10.100.100.254.

- IT support and order form (https://sites.google.com/a/simula.no/support/?pli=1)
- Connecting to our wireless network (/it-orders-and-support/connecting-our-wireless-network)
- Printing (/it-assistance/printing)
- Google Gmail setup (/it-orders-and-support/google-gmail-setup-and-information)
- Remote access (/accessing-simula-hosts-remote-location)
- Eduroam (/eduroam)
- Windows Remote Desktop Server (/it-orders-and-support/windows-remote-desktop-server)

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(/about/employe

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thomsen-

sannes)

CHRIS-MICHAEL THOMSEN SANNES

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Your New Colleagues





Administration Uladzislau Lazouski is a new Software Engineer in Simula Consulting.



ELIAS LOONA MYKLEBUST

Administration

Elias Loona Myklebust is a new Data Scientist in Simula Consulting.



NOAH HEGERLAND OLDFIELD

ComplexSE

Noah Hegerland Oldfield is a new Ph.D Candidate in the Department of Engineering Complex Software Systems.

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