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# simula intranet

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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](https://en.wikipedia.org/wiki/Network_address_translation)) server ([http://en.wikipedia.org/wiki/Network\\_address\\_translation](http://en.wikipedia.org/wiki/Network_address_translation)) called dnatsimula.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 dnatsimula.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 [IT support](https://sites.google.com/a/simula.no/support/?pli=1) (<https://sites.google.com/a/simula.no/support/?pli=1>) 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 [iTunes](https://itunes.apple.com/us/app/aruba-via/id1439900554?mt=12) (<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	<a href="#">ansetup.msi</a>	(Version: <a href="#">2.3.4.0.86416</a> ) <a href="#">Delete</a>
Windows 64-bit	<a href="#">ansetup64.msi</a>	(Version: <a href="#">2.3.4.0.86416</a> ) <a href="#">Delete</a>
Mac OSX	<a href="#">anviainstaller.pkg</a>	(Version: <a href="#">3.0.1.83403</a> ) <a href="#">Delete</a>

#### Linux

1. Download the [linux client here](https://intranet.simula.no/sites/default/files/aruba-via-3.1.1.1912102_ubuntu1404-x86_64_bin.zip) ([https://intranet.simula.no/sites/default/files/aruba-via-3.1.1.1912102\\_ubuntu1404-x86\\_64\\_bin.zip](https://intranet.simula.no/sites/default/files/aruba-via-3.1.1.1912102_ubuntu1404-x86_64_bin.zip)).

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:

Virtual Intranet Access  
2.3.4.0.86416

Application needs to download configuration from the Server. Provide the connection details...

Remote Server: vpn.simula.no

Username: local\_part of email

Password: .....

Login Cancel

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

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