

Connecting to a bach(elor) server from Linux

The easiest way to connect to a bachelor server from Linux is to use `x2goclient` ([which can be downloaded here](#)), which automatically uses an ssh tunnel to communicate the RDP protocol. First, open `x2goclient`.

- ☐ Click on the `New session` icon to set up a new connection (see left image; click to enlarge).
- ☐ Give the session a name and enter the host name in `Host:` (in this example, `bach1.strw.leidenuniv.nl`)
- ☐ Provide your username in `Login:` and for the `Session type` at the bottom select either `MATE` or `XFCE`.
- ☐ Under the `Input/Output` tab, you should set the size of the display. Press `Ok` when done.
- ☐ Start the session by clicking on the session or enter the session name in `Session:`.
- ☐ Log in with your credentials and accept any keys if necessary.

Alternatively, one can use `remmina` ([Remmina Remote Desktop Client](#)).

First, in a shell / terminal we open an ssh connection to the bach server of choice, and add an option (`-L`) to allow the xrdp protocol communication to pass through ssh, e.g.:

```
ssh -L 12345:localhost:3389 jklaassen@bach1.strw.leidenuniv.nl
```

Accept the key (only asked when connecting to a new server) and enter your password. What happens is that the internet protocol (IP) port on which RDP communication takes place (3389) is connected from the bach server through ssh to IP port 12345 of your own computer (can effectively be any number ≥ 10000). Note that we don't need to include the `-X` option with ssh, as we do not require any X-windows communication.

Open the application and press `Create a new connection profile`. Give the profile a name and select `RDP` as protocol. Enter the server name and set a suitable custom resolution. Initialise the session by pressing `Save` and `Connect` and accept the certificate.

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