

Remote Connection

Remote Connection

For use by: Employees
Version: 1.0
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Owner: @Hok /SSC ICT

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Before you begin

The following instruction is supported by the TU Delft and has been tested to be working. However, we offer this manual to you as an extra service. In case you have a configuration or version of the operating systems other than the ones described here and you have problems setting up the remote connections, neither ICT nor a Service Desk will be able to help you to configure the remote connection.

Because direct access to servers through SSH is not possible, you need to use a bastion host.

For use on servers in a faculty-run campus (FBS vlan) the linux-bastion.tudelft.nl and linux-bastion-ex.tudelft.nl were created.

The difference between these two bastion-hosts is that your central Linux home directory is mounted on **linux-bastion.tudelft.nl**. Because of this it is **not possible to use ssh keys**.

On the **linux-bastion-ex.tudelft.nl** server, a local home directory is created for you on the bastion host. This way it **is possible to use ssh keys**, however, it is **not possible to use your own central home directory**.

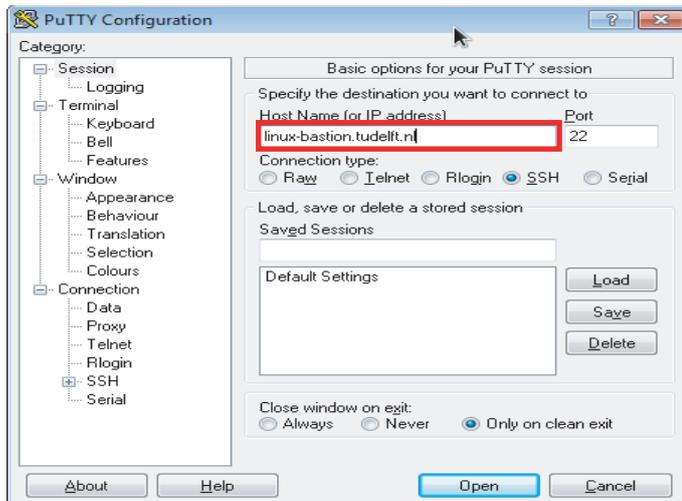
This manual uses examples for the linux-bastion.tudelft.nl server, but these also apply to the linux-bastion-ex.tudelft.nl server.

Login from a Windows pc:

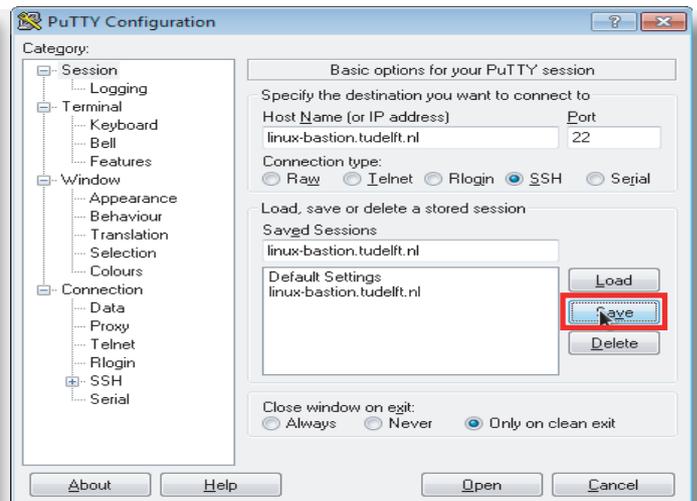
prerequisites: Logging in from a Windows system requires the use of an ssh client. The provided way uses the **Putty** client. This can be downloaded from:

- <ftp://ftp.tudelft.nl/pub/Putty/download.html>

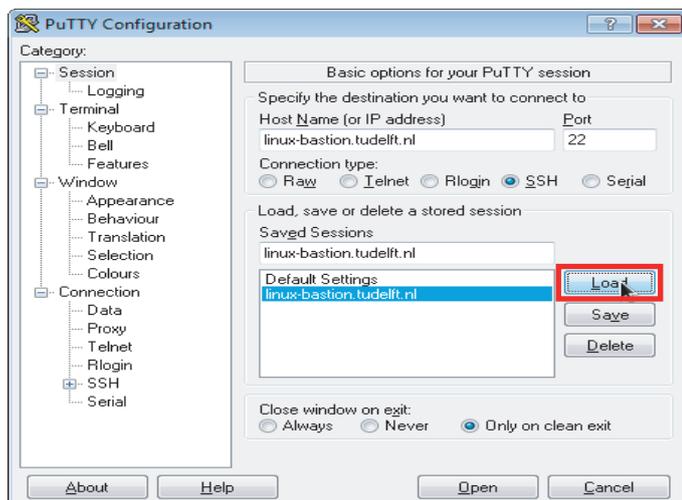
Step 1. Open Putty and fill in linux-bastion.tudelft.nl for host name.



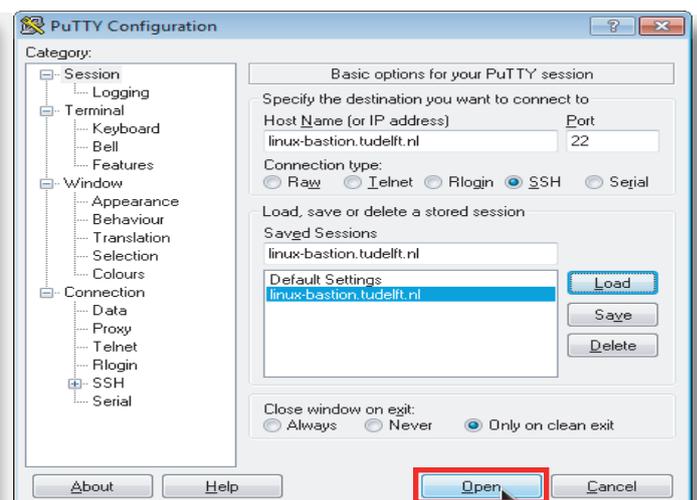
Step 2. Save this session by e.g. filling in linux-bastion.tudelft.nl under saved sessions and clicking save.



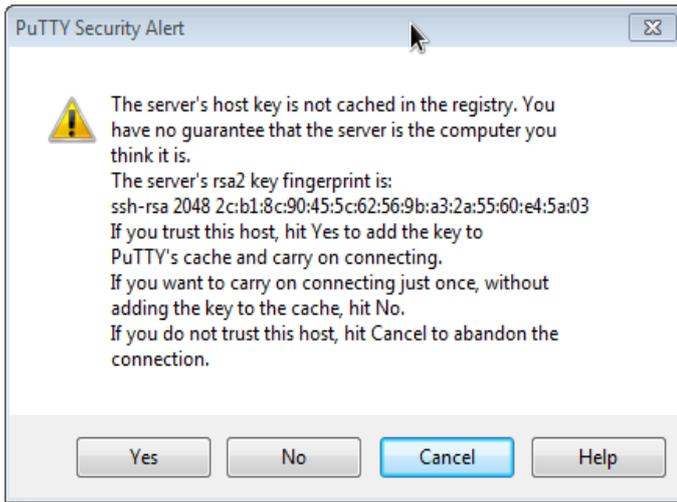
Step 3. The next time you can load the linux-bastion.tudelft.nl session by selecting it and clicking load.



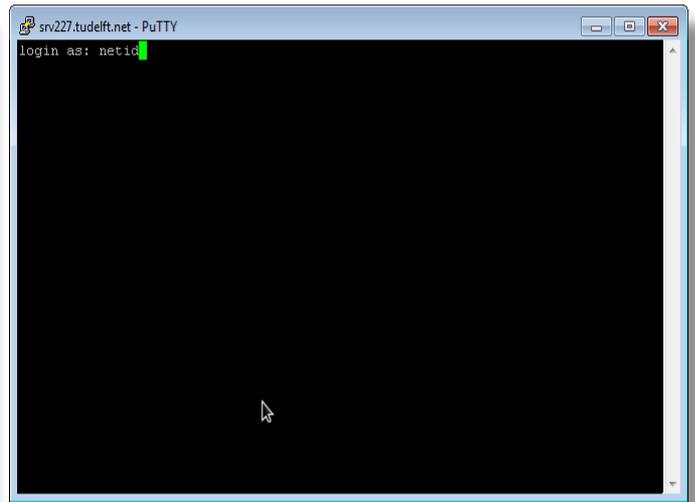
Step 4. Click open to connect to the server.



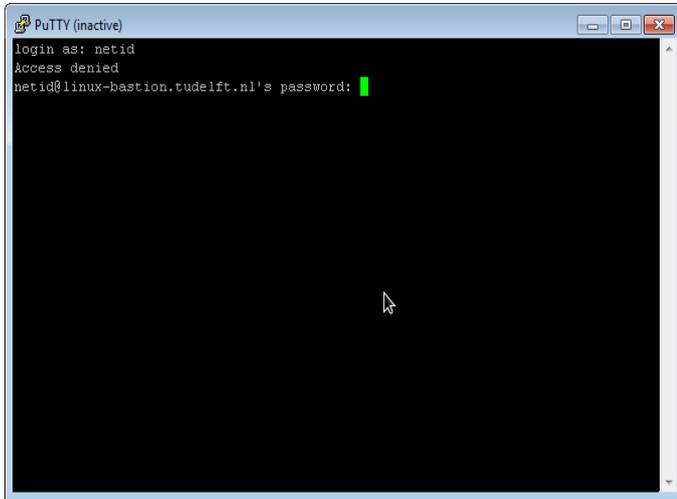
Step 5. The first time you start this connection to the server, a security alert will appear. Click Yes to continue.



Step 6. A screen will appear which will ask you for a username. Fill in your netid.



Step 7. Finally, you will be asked for a password. Please fill in your netid password.



Step 8. You are logged in.

Login from a Linux pc or Mac:

If you are working on a Linux pc or Mac, you can use a terminal program (Xterm, gnome-terminal enz.) to put in the ssh command and login to the linux bastion host.

Step 1. Open terminal and fill in the command:

```
$ ssh -l netid linux-bastion.tudelft.nl
```

Step 2. The terminal will give the following messages:

```
The authenticity of host 'linux-bastion.tudelft.nl  
(131.180.123.195)' can't be established.  
RSA key fingerprint is 2c:b1:8c:90:45:5c:62:56:9b:a  
3:2a:55:60:e4:5a:03.  
Are you sure you want to continue connecting (yes/  
no)?
```

type **yes**

Step 3. The terminal will give the following messages:

```
Warning: Permanently added 'linux-bastion.tudelft.  
nl' (RSA) to the list of known hosts.  
netid@linux-bastion.tudelft.nl's password:
```

type your **netid password**

Step 4. After this, the terminal will show the following message:

```
[netid@srv227 ~]$
```

You are now logged in to the bastion host.

Step 5. Now you can log on to a server or (Linux) workplace by typing the following command (**replace [server] and [faculty]** by server you want to connect to and faculty you are connecting from):

```
[netid@srv227 ~]$ ssh -l netid [server].[faculty].  
tudelft.nl
```

You are now connected to the server or (Linux) workspace.