

Accessing RStudio Server (Noether)

This document details how to get access to Rstudio Server on the SMSAS server `noether` using a secure SSH tunnel. There are two sections to this document; one describes how to set up access from a Linux PC or Mac, the other from a Windows PC. In each section refer to the sub-section detailing how to access the service from the Canterbury campus (or via VPN) **or** from off-campus.

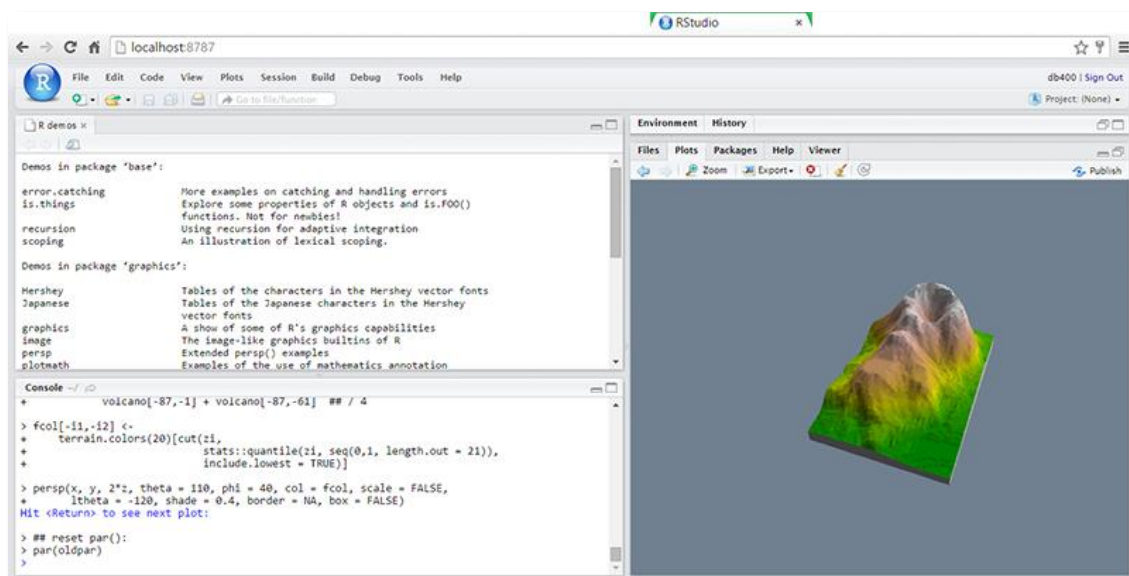
Note that “sshgw” is an alias for “bastion” servers, for example Sol or Altair.

When following these steps for the first time an alert may ask if you trust the server, referring to “The server’s host key is not cached...”.

Answer “yes” (or click Yes button if using PuTTY).

Linux/Mac

1. On-campus or via VPN i.e. connected to Kent network.
 - a. In a terminal session type the following, substitute your Kent login for “login”:
`ssh -L 8787:localhost:8787 login@noether.kent.ac.uk`
 - b. Then use the web browser on your Linux PC to go to `http://localhost:8787/`
2. From off-campus you need to tunnel via Sol first
 - a. In a terminal session type the following, substitute your Kent login for “login”:
`ssh -L 8787:localhost:8787 login@sshgw.kent.ac.uk`
 - b. In the terminal session that is now running on Sol type the following:
`ssh -L 8787:localhost:8787 noether`
 - c. Then use the web browser on your Linux PC to go to `http://localhost:8787/`



Windows

1. Using a managed desktop on-campus (for other Windows PCs, via VPN, you'll need to install PuTTY first - see below).
 - a. Open PuTTY, and in the Category '*Connection->SSH->Tunnels*' add the following:
 - i. *Source port*: 8787
 - ii. *Destination*: localhost:8787
 - iii. Then click the *Add* button.
 - b. In the Category '*Session*', add the following:
 - i. *Host Name (or IP address)*: noether.kent.ac.uk
 - ii. *Saved Sessions*: noetherTunnel
 - iii. Then click the *Save* button.
 - c. Select noetherTunnel from the Saved sessions list and click *Open*.
 - d. When the login window appears, log in to Noether as normal.
 - e. Then use a web browser to go to `http://localhost:8787/`
- The next time you use Putty, simply *Load* the '*noetherTunnel*' saved session.

2. From off-campus

If you do not have PuTTY installed on your Windows PC, see:
<https://www.cs.kent.ac.uk/systems/secureservices/putty.html>
Or get it directly from:
<http://the.earth.li/~sgtatham/putty/latest/x86/putty.exe>

- a. Open PuTTY, and in the Category '*Connection->SSH->Tunnels*' add the following:
 - i. *Source port*: 8787
 - ii. *Destination*: localhost:8787
 - iii. Then click the *Add* button.
 - b. In the Category '*Session*', add the following:
 - i. *Host Name (or IP address)*: sshgw.kent.ac.uk
 - ii. *Saved Sessions*: SSHGateway
 - iii. Then click the *Save* button.
 - c. Select SSHGateway from the Saved sessions list and click *Open*.
 - d. When the login window appears, log in to sshgw.
 - e. In the terminal session that is now running on sshgw type the following:

```
ssh -L 8787:localhost:8787 noether
```
 - f. Then use a web browser to go to `http://localhost:8787/`
- The next time you use PuTTY, simply *Load* the '*SSHGateway*' saved session.