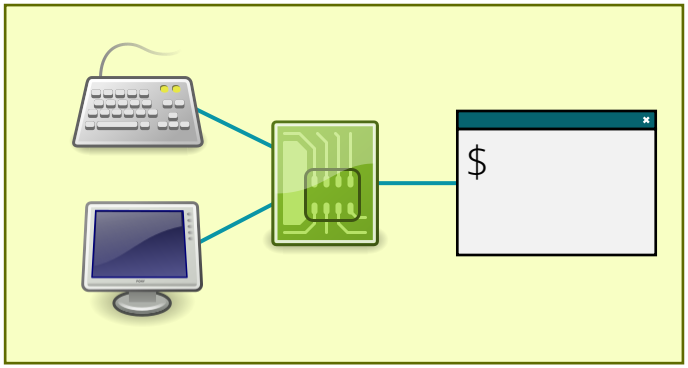
SSH: Secure Shell

COMS10012 Software Tools

Shell

local



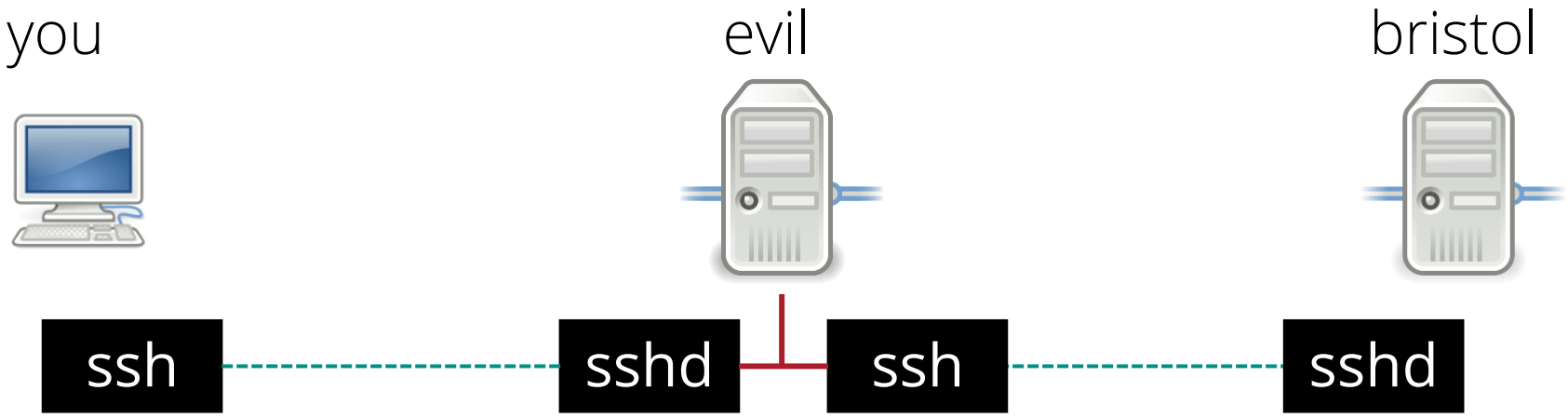
remote with ssh

syntax

```
$ ssh [USERNAME@]HOSTNAME


...
Are you sure [y/n]?
```

man in the middle



cryptography

- SSH servers have a key pair for digital signatures.
- If you connect to a new server, SSH asks you if you're sure.
- If you connect to a server and the key has changed, you get a warning.

keys

You can create your own key too.

- convenient: you don't have to type your password anymore.
- secure: key never leaves your machine, even if you connect to an evil server.

Details in the exercises ...

servers

`seis.bris.ac.uk`
bastion host, accessible from internet, but doesn't have your files or programs

`rd-mvb-linuxlab.bristol.ac.uk`
load balancer, connects you to a lab machine

`it#######.wks.bris.ac.uk`
lab machines, #=075637 to 075912.