



Exercise 5.1: Set up SSH key-based authentication

Connect to your localhost machine with an SSH key.

Note: This lab assumes that root is allowed to login via a password through ssh. There is a configuration parameter that can change this behavior. The different distributions may change this parameter. The parameter may also change release to release. Check the parameter `PermitRootLogin` is set to `yes` in the `/etc/ssh/sshd_config` file. If it is not, set the parameter to `yes` and restart the `sshd` server.

Solution 5.1

1. Make an SSH key and add it to an SSH agent.

```
$ ssh-keygen -t rsa -f $HOME/.ssh/id-rsa
$ eval $(ssh-agent)
$ ssh-add $HOME/.ssh/id-rsa
```

2. Copy the SSH pubkey manually or use **ssh-copy-id**

```
$ ssh-copy-id student@localhost
$ ssh student@localhost
$ id
$ exit
```