



Exercise 5.3: Secure your OpenSSH daemon

Enable key-only root logins.

Solution 5.3

1. Edit the file `/etc/ssh/sshd_config` and make sure this line is present:

```
PermitRootLogin without-password
```

Restart the **sshd** daemon.

```
# systemctl restart sshd.service
```

NOTE: On **Ubuntu**, the ssh service is named **ssh** not **sshd**.

Attempt to log in as root. It should fail.

```
$ ssh garply
```

Copy the file `/home/student/.ssh/authorized_keys` to the directory `/root/.ssh/` and make sure it is owned by the root user and group.

```
# cat /home/student/.ssh/authorized_keys >> /root/.ssh/authorized_keys
# chown root.root /root/.ssh/authorized_keys
# chmod 640 /root/.ssh/authorized_keys
```

Log in to the host `garply` again, to prove your ssh-key login works.

```
$ ssh garply
$ id
$ hostname
$ exit
```