

Assignment (class 8)

Server 1

```
ec2-user@ip-172-31-21-22:~  
[ec2-user@ip-172-31-21-22 .ssh]$ ssh-keygen  
Generating public/private rsa key pair.  
Enter file in which to save the key (/home/ec2-user/.ssh/id_rsa):  
Enter passphrase (empty for no passphrase):  
Enter same passphrase again:  
Your identification has been saved in /home/ec2-user/.ssh/id_rsa  
Your public key has been saved in /home/ec2-user/.ssh/id_rsa.pub  
The key fingerprint is:  
SHA256:zEj89dQGvKOHvczn5h3sna/TJ0l+zGGucGxRpIFKYis ec2-user@ip-172-31-21-22. ec2  
internal  
The key's randomart image is:  
-----[RSA 3072]-----  
|.o. ....o o++*+  
o .. o + . o.o+  
E.. .oo . . + .  
 . . . . .o .oo |  
 . .S .o.o.+  
 . o o=o  
 . o oo=o  
 . . =,B  
 . . .oo.= |  
-----[SHA256]-----
```

```
[ec2-user@ip-172-31-21-22 ~]$ cd ~/.ssh
[ec2-user@ip-172-31-21-22 .ssh]$ ls -lrt
total 12
-rw-----. 1 ec2-user ec2-user 393 Feb 22 10:41 authorized_keys
-rw-r--r--. 1 ec2-user ec2-user 591 Feb 22 10:49 id_rsa.pub
-rw-----. 1 ec2-user ec2-user 2635 Feb 22 10:49 id_rsa
```

```
test-user1@ip-172-31-30-250:~  
[ec2-user@ip-172-31-21-22 .ssh]$ sudo scp /home/ec2-user/.ssh/id_rsa.pub test-user1@  
172.31.30.250:~  
The authenticity of host '172.31.30.250 (172.31.30.250)' can't be established.  
ED25519 key fingerprint is SHA256:a/HPm7rDON0BtX/wCuzvhbdsYK8kjPGqk1BGxf3F4qM.  
This key is not known by any other names  
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes  
Warning: Permanently added '172.31.30.250' (ED25519) to the list of known hosts.  
test-user1@172.31.30.250's password:  
id_rsa.pub                                100% 591      1.3MB/s   00:00  
[ec2-user@ip-172-31-21-22 .ssh]$
```

Server 2

```

root@test-user1@ip-172-31-30-250:~
[test-user1@ip-172-31-30-250 ~]$ ls
id_rsa.pub
[test-user1@ip-172-31-30-250 ~]$ ls -la
total 20
drwx-----. 2 test-user1 test-user1 101 Feb 22 11:18 .
drwxr-xr-x. 4 root root 40 Feb 22 10:46 ..
-rw-r--r--. 1 test-user1 test-user1 32 Feb 22 11:11 .bash_history
-rw-r--r--. 1 test-user1 test-user1 18 Jan 28 2023 .bash_logout
-rw-r--r--. 1 test-user1 test-user1 141 Jan 28 2023 .bash_profile
-rw-r--r--. 1 test-user1 test-user1 492 Jan 28 2023 .bashrc
-rw-r--r--. 1 test-user1 test-user1 591 Feb 22 11:18 id_rsa.pub
[test-user1@ip-172-31-30-250 ~]$ mkdir ~/.ssh
[test-user1@ip-172-31-30-250 ~]$ chmod 700 ~/.ssh
[test-user1@ip-172-31-30-250 ~]$
[test-user1@ip-172-31-30-250 ~]$ cat ~/.id_rsa.pub >> ~/.ssh/authorized
[test-user1@ip-172-31-30-250 ~]$ chmod 600 ~/.ssh/authorized_keys
[test-user1@ip-172-31-30-250 ~]$
[test-user1@ip-172-31-30-250 ~]$ rm id_rsa.pub
[test-user1@ip-172-31-30-250 ~]$ ls -lsa
total 16
0 drwx-----. 3 test-user1 test-user1 95 Feb 22 11:20 .
0 drwxr-xr-x. 4 root root 40 Feb 22 10:46 ..
4 -rw-r--r--. 1 test-user1 test-user1 32 Feb 22 11:11 .bash_history
4 -rw-r--r--. 1 test-user1 test-user1 18 Jan 28 2023 .bash_logout
4 -rw-r--r--. 1 test-user1 test-user1 141 Jan 28 2023 .bash_profile
4 -rw-r--r--. 1 test-user1 test-user1 492 Jan 28 2023 .bashrc
0 drwx-----. 2 test-user1 test-user1 29 Feb 22 11:19 .ssh
[test-user1@ip-172-31-30-250 ~]$ cat ~/.ssh/authorized_keys
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQgCC2UabXMG6FPALeItd2wFDWBvTsyj63Z
JlRLKd57m18EshuJ1wQkpmHpnAQ4+SP5SuhyKCW4bQE dp1d4DFdW6TqpJntiILhOH
LlHr/bVneOLnUzAKW8K7QtoqC/VNB2Ka70rXtpt2wQpQKoa9yO5G0+5SzWk/0o4im7N
YyIAVOGxSP/f8fjmRkac+7fh7NdRmQ8b9RrTgAwic1nhj18MiAkGfAeR4pWuY1XoUsB
4gm1JwfwFnn2mXbeiFwQaQcnC8fml6dbp8y3d3pQvSFZnQpMummYekXhsw8tDh4nC
HD5/TFYUv-fmx/6hr+h3d4/0792ja/Tp27fj10jPmcTpIWtCzwlSOH3WwY9nvsH0U2Sji2a
DrVsGe07z+gkQdKfQsooILWm6CxsPLMEq8j1l06Ww8lVG6VUEuNm= ec2-user@ip-172
.internal
[test-user1@ip-172-31-30-250 ~]$

```

Logged into server 2 via server 1

[illegible]