

Create the ssh login ppk file for each user.

Step 1: Login to ec2-user.

Creath the folder `ssh_other_user`

```
$ mkdir ssh_other_user
```

```
$ cd ssh_other_user/
```

```
$ ssh-keygen -t rsa -b 2048
```

Generating public/private rsa key pair.

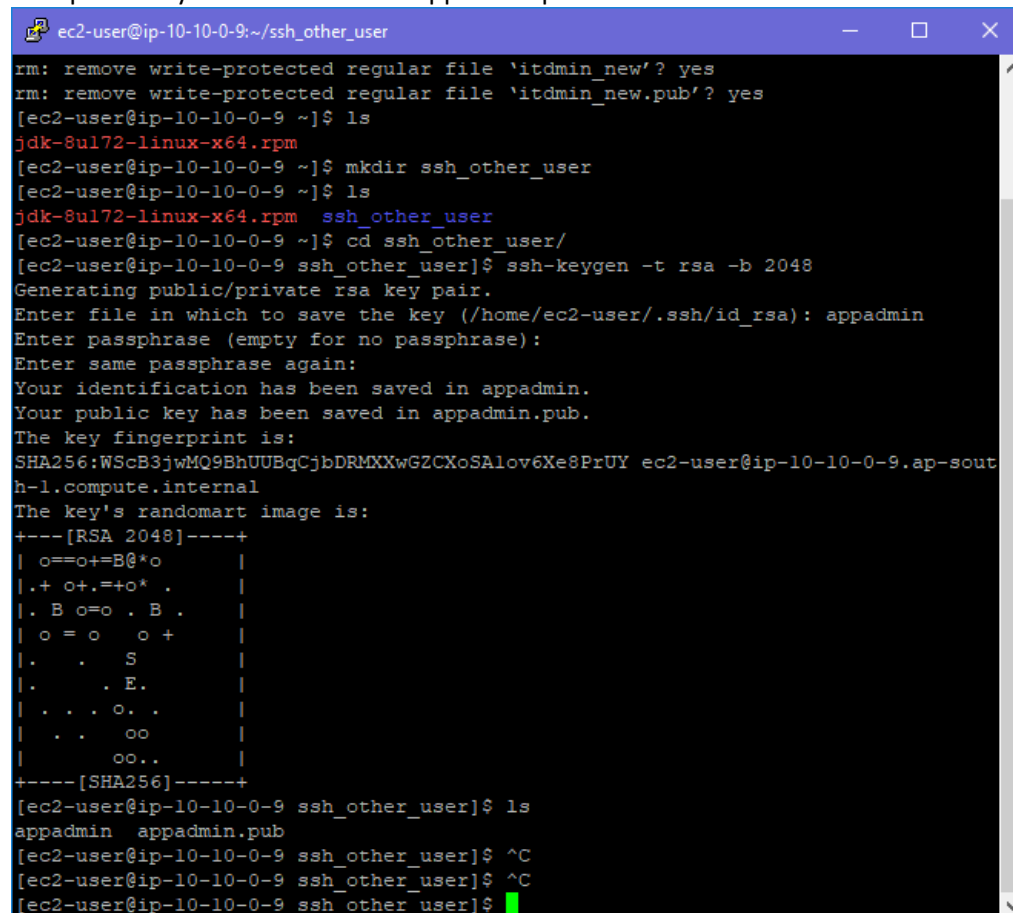
Enter file in which to save the key (/home/ec2-user/.ssh/id_rsa): **appadmin**

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in appadmin.

Your public key has been saved in appadmin.pub.



```
ec2-user@ip-10-10-0-9:~/ssh_other_user
rm: remove write-protected regular file 'itdmin_new'? yes
rm: remove write-protected regular file 'itdmin_new.pub'? yes
[ec2-user@ip-10-10-0-9 ~]$ ls
jdk-8u172-linux-x64.rpm
[ec2-user@ip-10-10-0-9 ~]$ mkdir ssh_other_user
[ec2-user@ip-10-10-0-9 ~]$ ls
jdk-8u172-linux-x64.rpm  ssh_other_user
[ec2-user@ip-10-10-0-9 ~]$ cd ssh_other_user/
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ssh-keygen -t rsa -b 2048
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ec2-user/.ssh/id_rsa): appadmin
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in appadmin.
Your public key has been saved in appadmin.pub.
The key fingerprint is:
SHA256:WScB3jwMQ9BhUUBqCjbDRMXXwGZCXoSAl0v6Xe8PrUY ec2-user@ip-10-10-0-9.ap-sout
h-1.compute.internal
The key's randomart image is:
+---[RSA 2048]---+
| o==o+=B@*o      |
|. + o+. =+o* .    |
|. B o=o . B .     |
| o = o   o +      |
|. . . S           |
|. . . E.          |
|. . . o. .        |
|. . . oo          |
| . oo..           |
+---[SHA256]-----+
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ls
appadmin  appadmin.pub
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ^C
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ^C
[ec2-user@ip-10-10-0-9 ssh_other_user]$
```

```
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ssh-keygen -y
```

Enter file in which the key is (/home/ec2-user/.ssh/id_rsa): **appadmin**

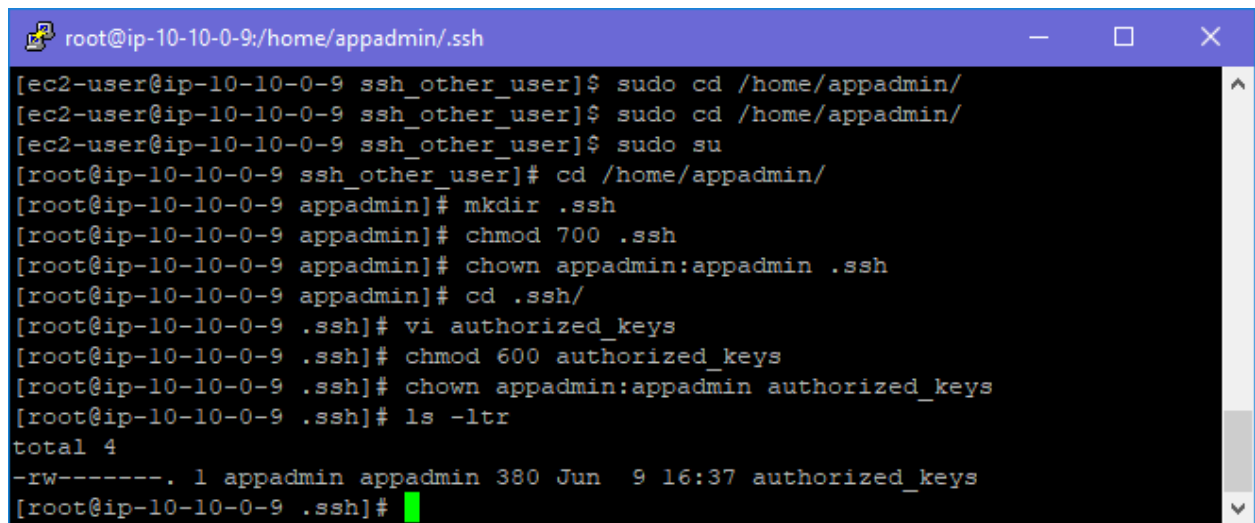
ssh-rsa

```
AAAAB3NzaC1yc2EAAAADAQABAAQDe9FtrFNObv5XCNpt8vsMOQiryx9mozKUd0UBXqKTB4ZnPbUC
1z22z2HJlBPdNjIfTum2zIxIJYwRHMawy0apbC2LY4LWzVVlrc4pzga3RItNUT9qE1t3iEG0yfUx/JLrEDdOufijKI
H+IOLJveJr0he3GhZTpkF0l1ujYYIzM1rLH0Rf7PsyantQTpf0a8MovRHry6BK9EuikMsXioi6kOvXTwW+EC14J8
oPLAzk4QR9TOOGK5bylyDQqMPeIYT8BFKX5z2H3a4Dj5NnKGmNoYGxqP6o9PK/CZ+hiyK1EPPw4kNG2p8
7B1Eljzd1go02c50g7ZnSK4/9L/DynCsDKp
```

```
[ec2-user@ip-10-10-0-9 ssh_other_user]$
```

copy the highlighted

```
ec2-user@ip-10-10-0-9: ~/ssh_other_user
SHA256:WScB3jwMQ9BhUUBqCjbDRMXXwGZCXoSAlov6Xe8PrUY ec2-user@ip-10-10-0-9.ap-sout
h-1.compute.internal
The key's randomart image is:
+---[RSA 2048]-----+
| o==o+=B@*o      |
|. + o+. =+o* .   |
|. B o=o . B .    |
| o = o   o +     |
|. . . S          |
|. . . E.         |
|. . . o. .       |
| . . oo          |
| oo..            |
+---[SHA256]-----+
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ls
appadmin  appadmin.pub
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ^C
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ^C
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ssh-keygen -y
Enter file in which the key is (/home/ec2-user/.ssh/id_rsa): appadmin.pub
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
@                WARNING: UNPROTECTED PRIVATE KEY FILE!                @
@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@
Permissions 0644 for 'appadmin.pub' are too open.
It is required that your private key files are NOT accessible by others.
This private key will be ignored.
Load key "appadmin.pub": bad permissions
[ec2-user@ip-10-10-0-9 ssh_other_user]$ ssh-keygen -y
Enter file in which the key is (/home/ec2-user/.ssh/id_rsa): appadmin
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQDe9FtrFNObv5XCNpt8vsMOQiryx9mozKUd0UBXqKTB
4ZnPbUC1z22z2HJlBPdNjIfTum2zIxIJYwRHMawy0apbC2LY4LWzVVlrc4pzga3RItNUT9qE1t3iEG0y
fUx/JLrEDdOufijKIH+IOLJveJr0he3GhZTpkF0l1ujYYIzM1rLH0Rf7PsyantQTpf0a8MovRHry6BK9E
uikMsXioi6kOvXTwW+EC14J8oPLAzk4QR9TOOGK5bylyDQqMPeIYT8BFKX5z2H3a4Dj5NnKGmNoYGxqP
6o9PK/CZ+hiyK1EPPw4kNG2p87B1Eljzd1go02c50g7ZnSK4/9L/DynCsDKp
[ec2-user@ip-10-10-0-9 ssh_other_user]$
```


A terminal window with a blue title bar showing the path 'root@ip-10-10-0-9:/home/appadmin/.ssh'. The terminal text shows a sequence of commands: switching to user 'ec2-user', using 'sudo' to change directory to '/home/appadmin/', then using 'sudo su' to become root. As root, the user creates the '.ssh' directory, sets permissions to 700, changes ownership to 'appadmin:appadmin', and enters the directory. Then, 'authorized_keys' is created with 'vi', permissions are set to 600, ownership is changed to 'appadmin:appadmin', and 'ls -ltr' is run. The output shows a file 'authorized_keys' with permissions '-rw-----', owned by 'appadmin', size 380, dated 'Jun 9 16:37'.

```
root@ip-10-10-0-9:/home/appadmin/.ssh
[ec2-user@ip-10-10-0-9 ssh_other_user]$ sudo cd /home/appadmin/
[ec2-user@ip-10-10-0-9 ssh_other_user]$ sudo cd /home/appadmin/
[ec2-user@ip-10-10-0-9 ssh_other_user]$ sudo su
[root@ip-10-10-0-9 ssh_other_user]# cd /home/appadmin/
[root@ip-10-10-0-9 appadmin]# mkdir .ssh
[root@ip-10-10-0-9 appadmin]# chmod 700 .ssh
[root@ip-10-10-0-9 appadmin]# chown appadmin:appadmin .ssh
[root@ip-10-10-0-9 appadmin]# cd .ssh/
[root@ip-10-10-0-9 .ssh]# vi authorized_keys
[root@ip-10-10-0-9 .ssh]# chmod 600 authorized_keys
[root@ip-10-10-0-9 .ssh]# chown appadmin:appadmin authorized_keys
[root@ip-10-10-0-9 .ssh]# ls -ltr
total 4
-rw-----. 1 appadmin appadmin 380 Jun  9 16:37 authorized_keys
[root@ip-10-10-0-9 .ssh]#
```

Download the file from /home/ec2-user/ssh_other_user/appadmin

File name: appadmin is . pem file

Use Puttygen.exe, Load and convert the .ppk file.