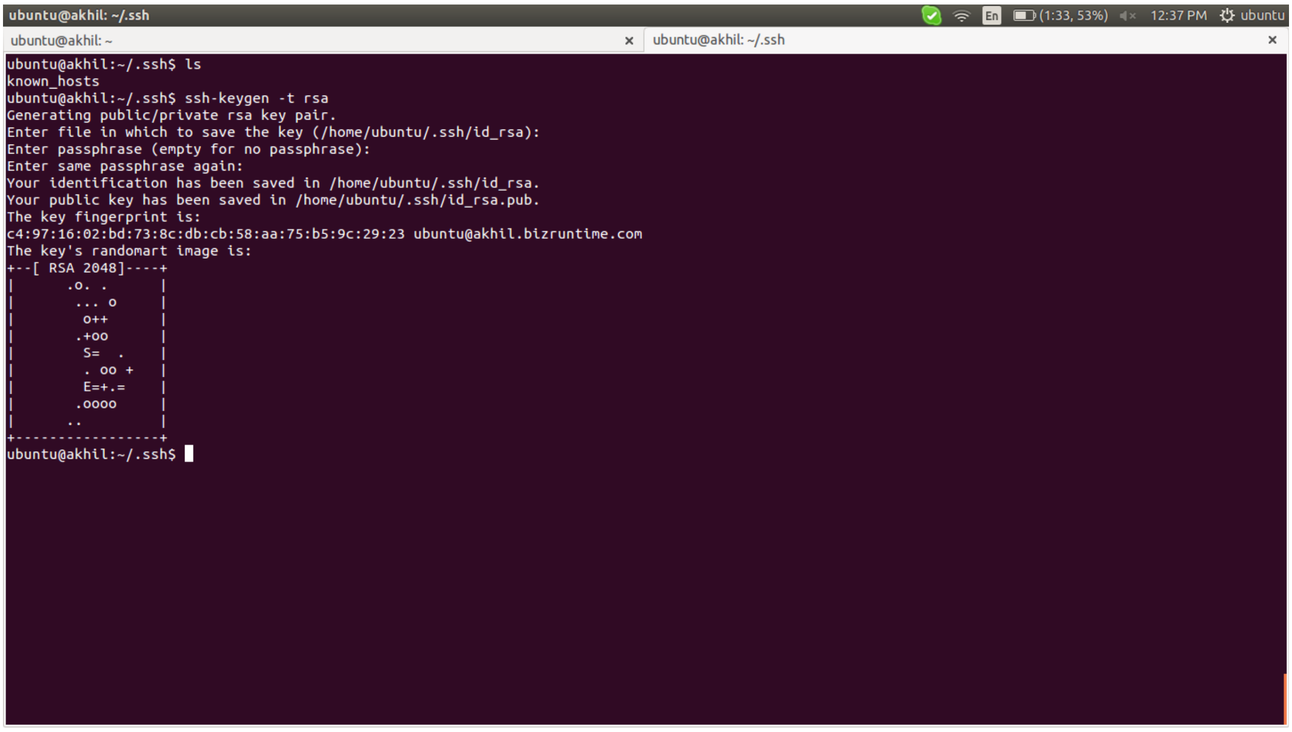
Setup SSH for Auto Login without a Password

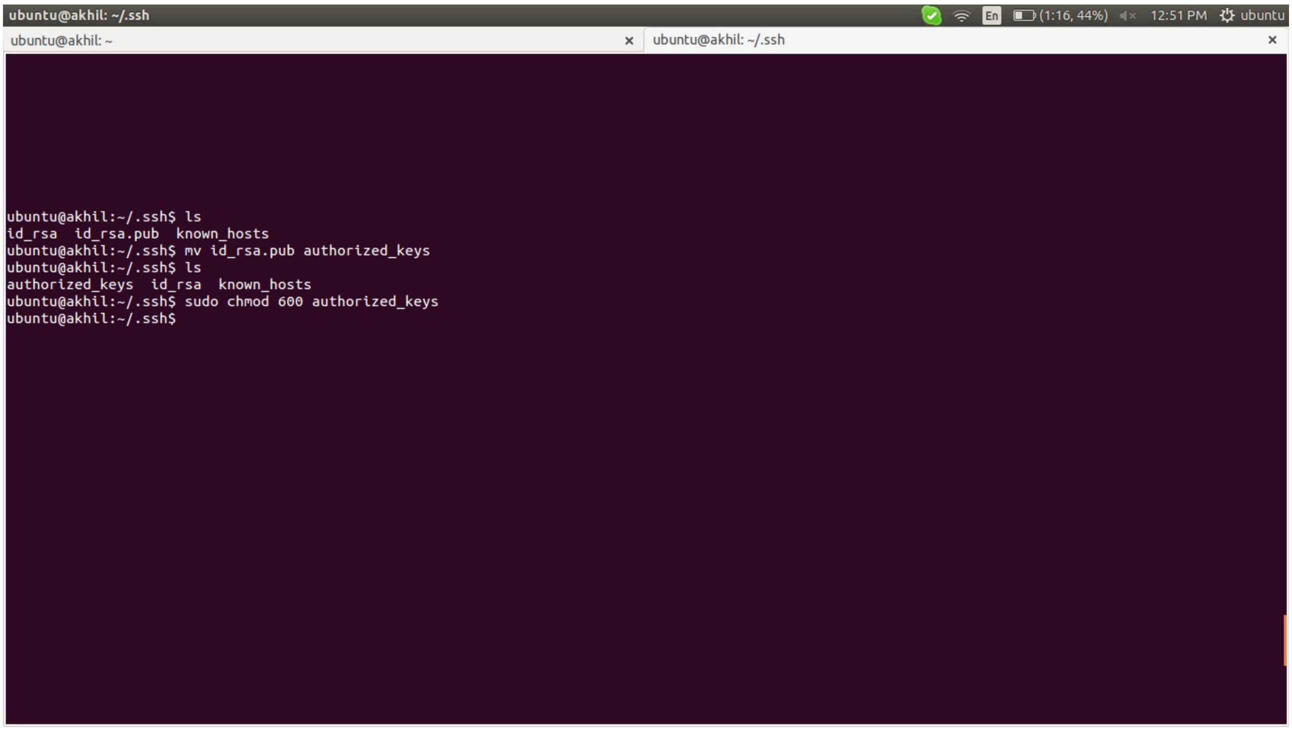
Server-side:

# cd .ssh/
# ssh-keygen -t rsa



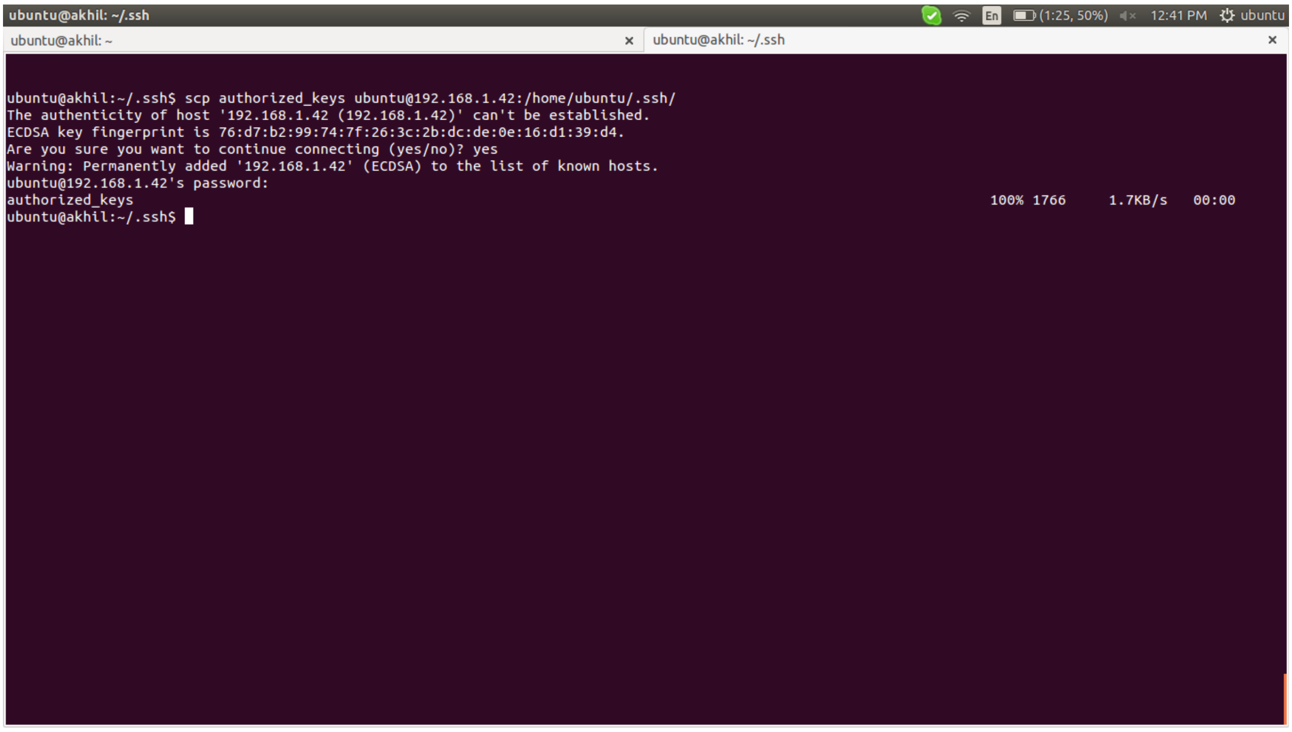
```
ubuntu@akhil:~/.ssh$ ls
known_hosts
ubuntu@akhil:~/.ssh$ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/ubuntu/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /home/ubuntu/.ssh/id_rsa.
Your public key has been saved in /home/ubuntu/.ssh/id_rsa.pub.
The key fingerprint is:
c4:97:16:02:bd:73:8c:db:cb:58:aa:75:b5:9c:29:23 ubuntu@akhil.bizruntime.com
The key's randomart image is:
+--[ RSA 2048]----+
|      .o. .      |
|       ... o     |
|        o++      |
|       .+oo      |
|        S=  .    |
|        . oo +   |
|        E=+.=    |
|       .oooo     |
|      ..         |
+-----------------+
ubuntu@akhil:~/.ssh$
```

# mv id_rsa.pub authorized_keys
# sudo chmod 600 authorized_keys



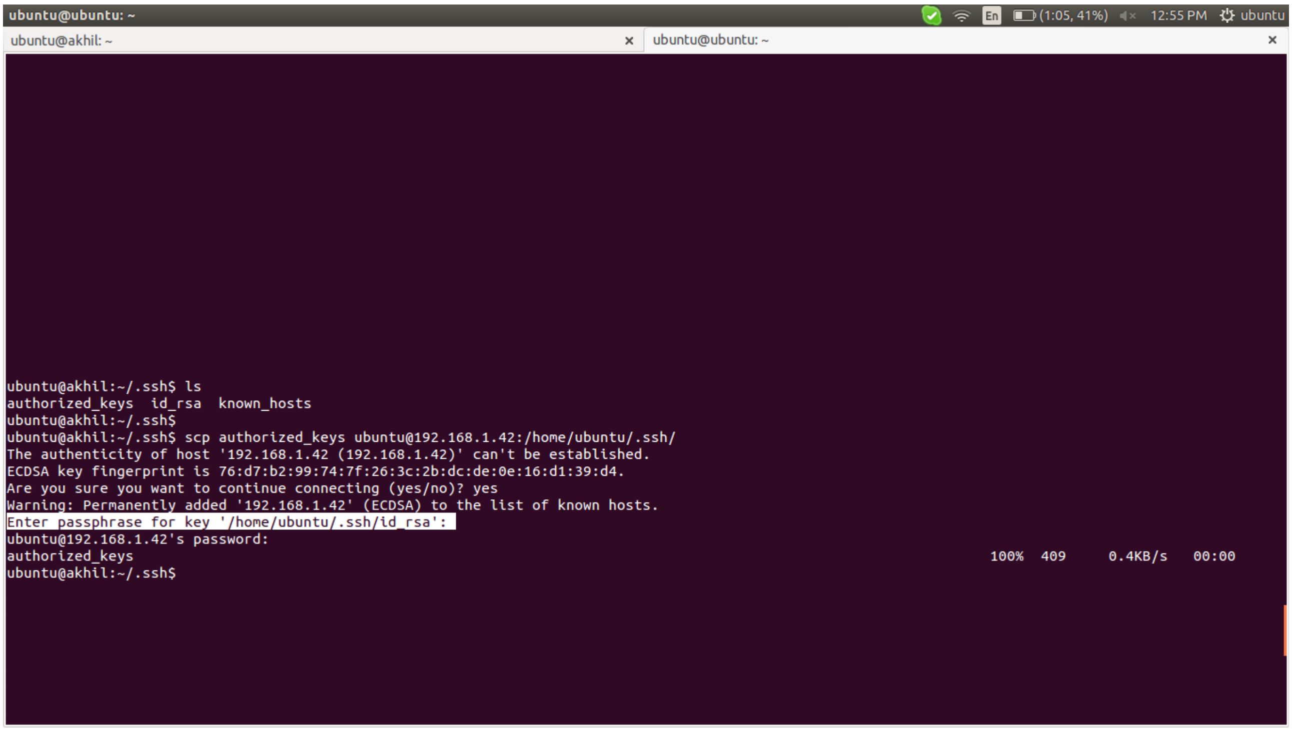
```
ubuntu@akhil:~/.ssh$ ls
id_rsa  id_rsa.pub  known_hosts
ubuntu@akhil:~/.ssh$ mv id_rsa.pub authorized_keys
ubuntu@akhil:~/.ssh$ ls
authorized_keys  id_rsa  known_hosts
ubuntu@akhil:~/.ssh$ sudo chmod 600 authorized_keys
ubuntu@akhil:~/.ssh$
```

# scp authorized_keys ubuntu@192.168.1.42:/home/ubuntu/.ssh/



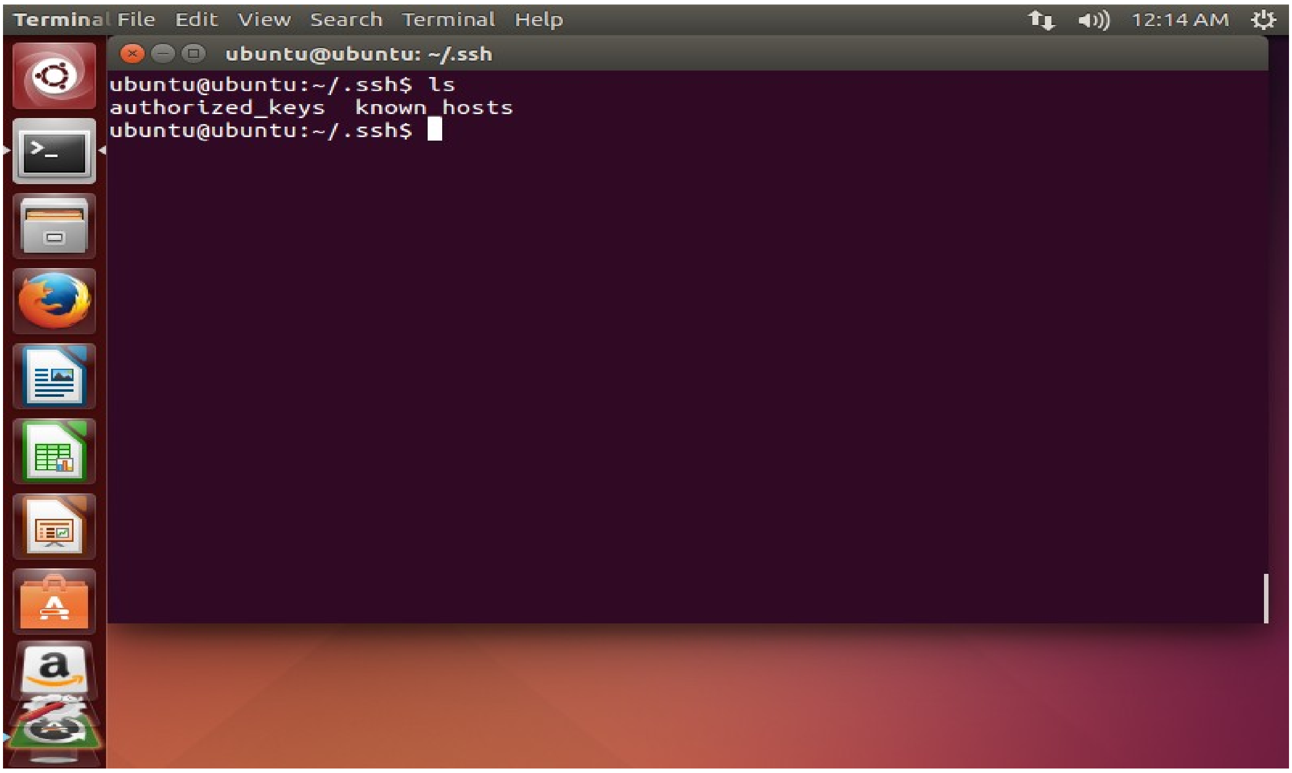
```
ubuntu@akhil:~/.ssh$ scp authorized_keys ubuntu@192.168.1.42:/home/ubuntu/.ssh/
The authenticity of host '192.168.1.42 (192.168.1.42)' can't be established.
ECDSA key fingerprint is 76:d7:b2:99:74:7f:26:3c:2b:dc:de:0e:16:d1:39:d4.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.1.42' (ECDSA) to the list of known hosts.
ubuntu@192.168.1.42's password:
authorized_keys                                                                                                                   100% 1766     1.7KB/s   00:00
ubuntu@akhil:~/.ssh$
```

if provide passphase while create key using ssh-keygen, it will ask while copy the authorized_keys to remote machine.



```
ubuntu@akhil:~/.ssh$ ls
authorized_keys  id_rsa  known_hosts
ubuntu@akhil:~/.ssh$
ubuntu@akhil:~/.ssh$ scp authorized_keys ubuntu@192.168.1.42:/home/ubuntu/.ssh/
The authenticity of host '192.168.1.42 (192.168.1.42)' can't be established.
ECDSA key fingerprint is 76:d7:b2:99:74:7f:26:3c:2b:dc:de:0e:16:d1:39:d4.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '192.168.1.42' (ECDSA) to the list of known hosts.
Enter passphrase for key '/home/ubuntu/.ssh/id_rsa':
ubuntu@192.168.1.42's password:
authorized_keys                                                                                                                   100%  409     0.4KB/s   00:00
ubuntu@akhil:~/.ssh$
```

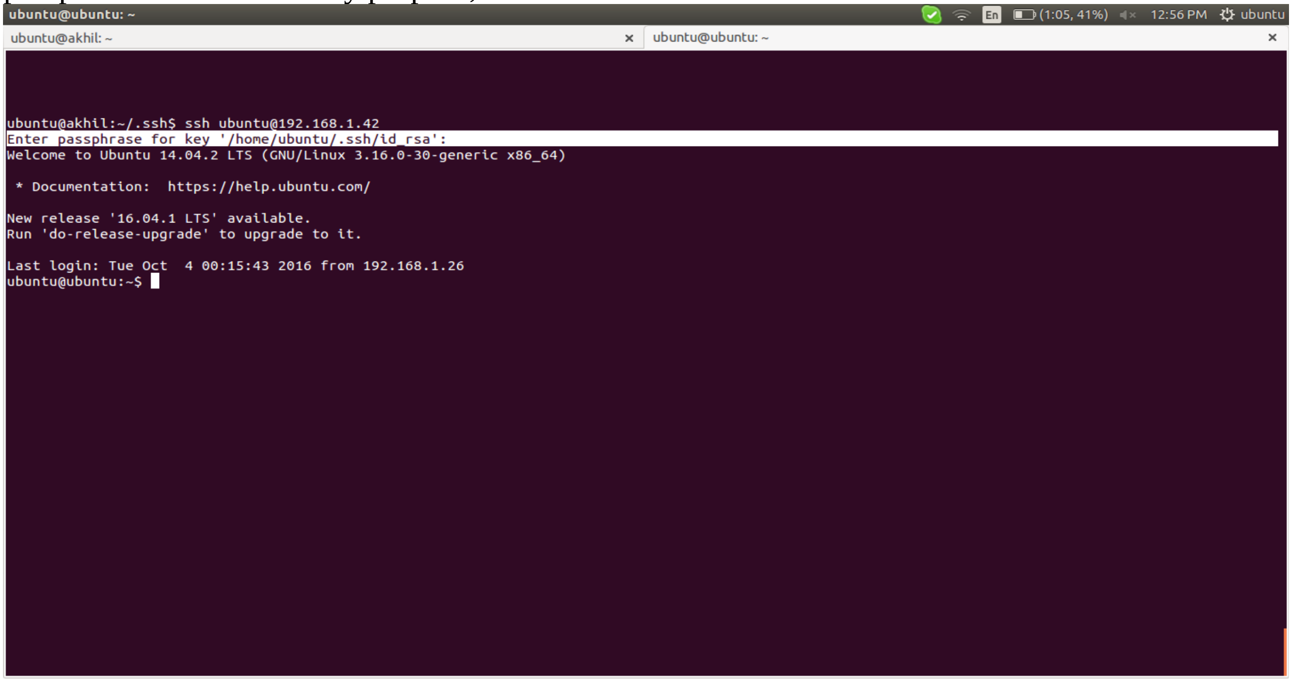
client-side:
check whether the authorized_keys under the particular user's .ssh directory



```
ubuntu@ubuntu:~/.ssh$ ls
authorized_keys  known_hosts
ubuntu@ubuntu:~/.ssh$ 
```

try to access from server to that remote machine
#   ssh ubuntu@192.168.1.42

if provide passphase while create key using ssh-keygen, it will ask while copy the authorized_keys to remote machine. But no password,
passphase for more security purpose,

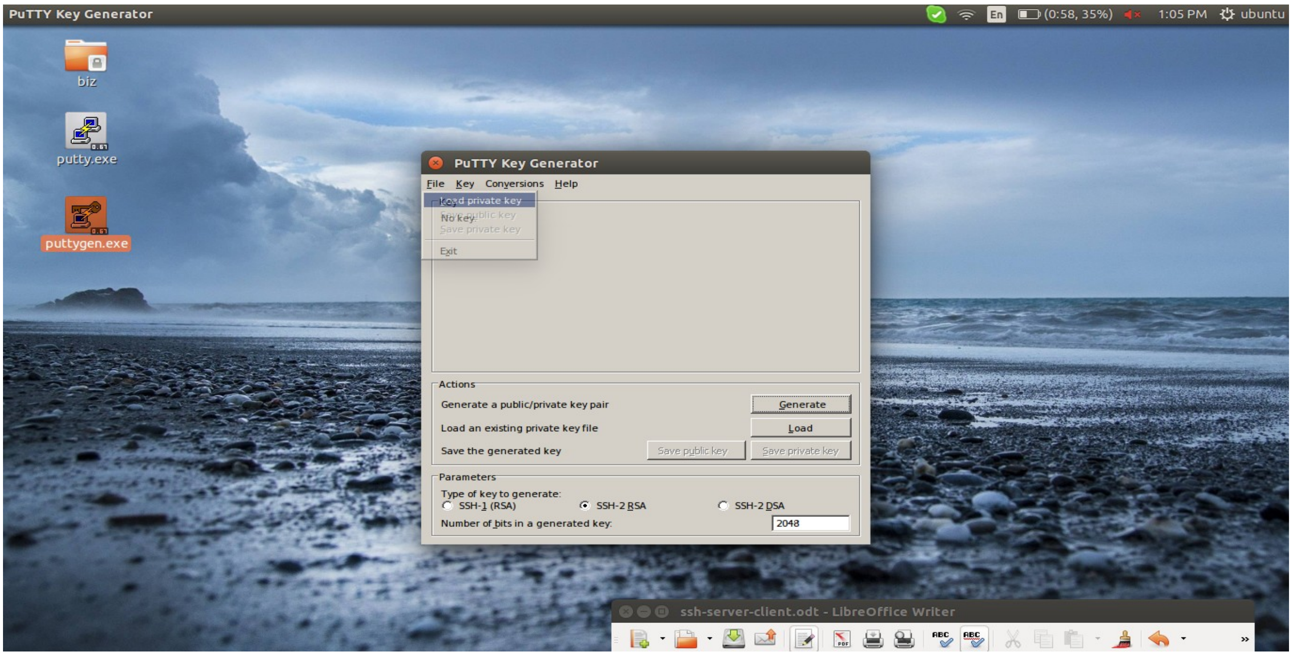


```
ubuntu@akhil:~/.ssh$ ssh ubuntu@192.168.1.42
Enter passphrase for key '/home/ubuntu/.ssh/id_rsa':
Welcome to Ubuntu 14.04.2 LTS (GNU/Linux 3.16.0-30-generic x86_64)

 * Documentation:  https://help.ubuntu.com/

New release '16.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Tue Oct  4 00:15:43 2016 from 192.168.1.26
ubuntu@ubuntu:~$ 
```

links: http://www.rebol.com/docs/ssh-auto-login.html

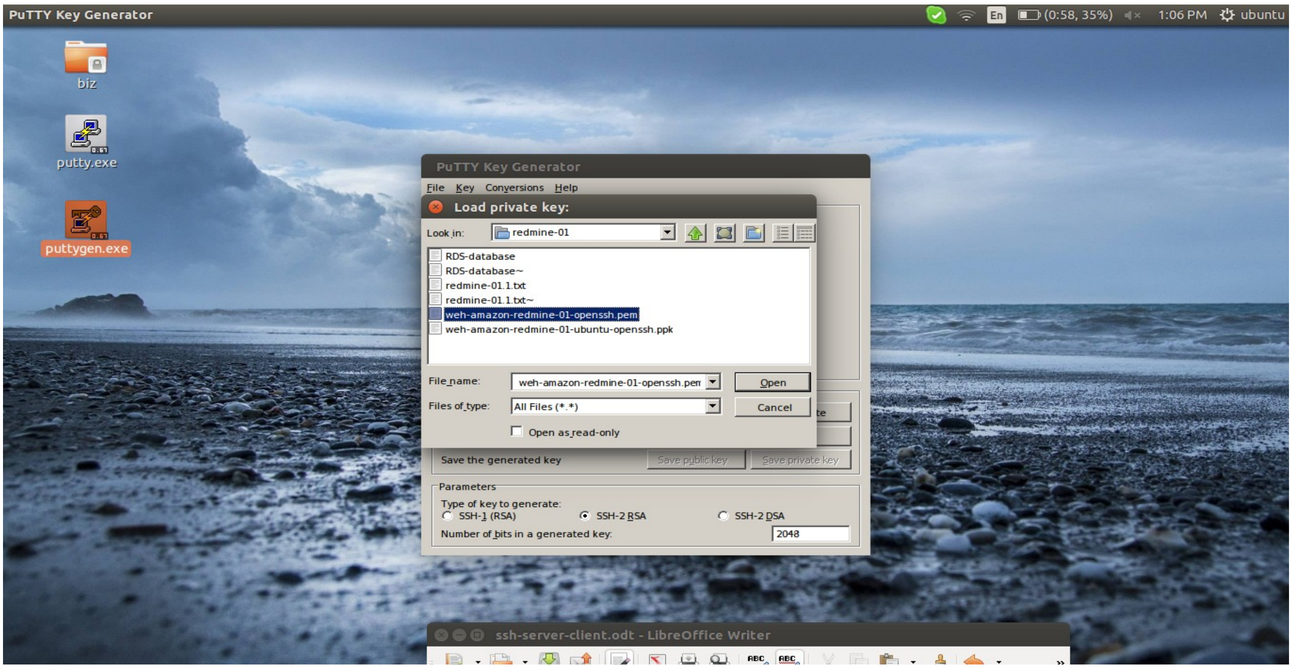
Convert Amazon .pem key to Putty .ppk key Linux

1) install wine in linux for installing .exe file (windows software)
2) download puttygen.exe from http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html
3) open with wine
4) file > load private key



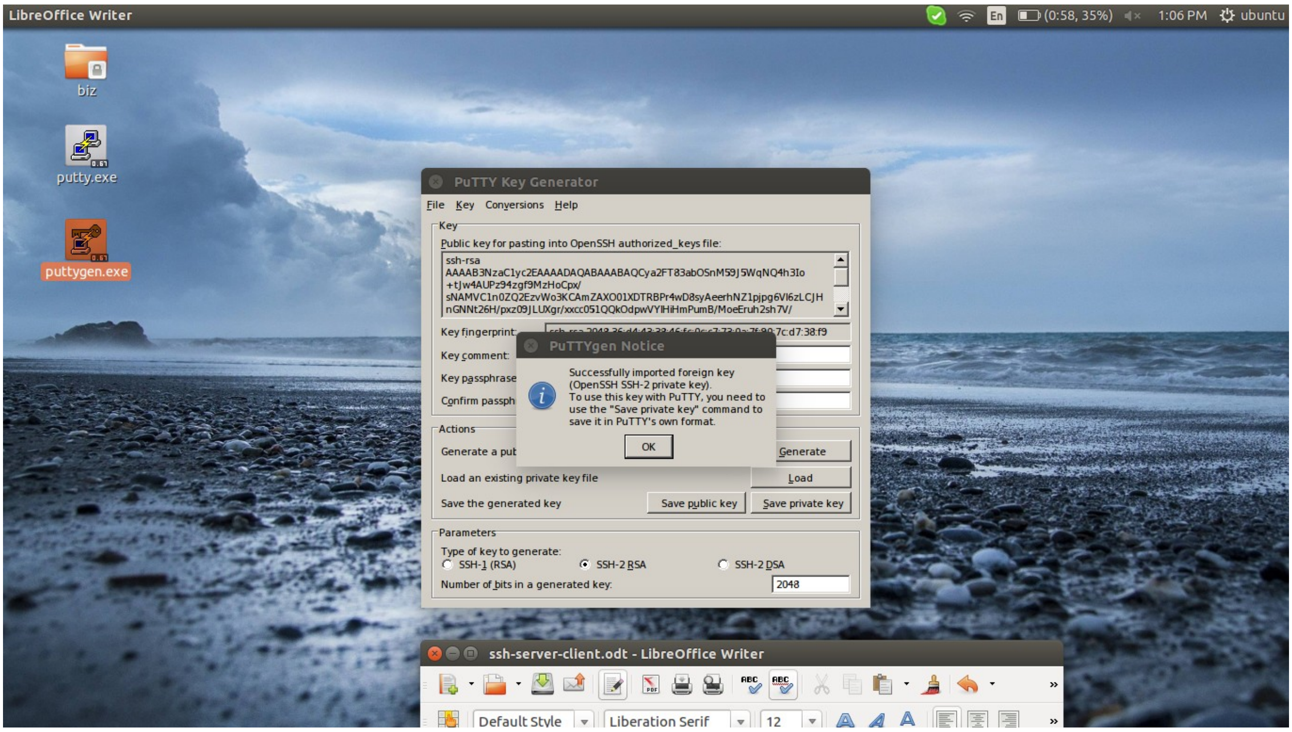
Type of key to generate:
○ SSH-1 (RSA) ● SSH-2 RSA ○ SSH-2 DSA
Number of bits in a generated key: 2048

5) take any perm file to create ppk file



Look in: redmine-01
File name: weh-amazon-redmine-01-openssh.pem
Files of type: All Files (*.*)
□ Open as read-only

Type of key to generate:
○ SSH-1 (RSA) ● SSH-2 RSA ○ SSH-2 DSA
Number of bits in a generated key: 2048



Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQCya2FT83abOSnM59J5WqNQ4h3Io
+tJw4AUPz94zgf9MzHoCpx/
sNAMVC1n0ZQ2EzvWo3KCAmZAXO01XDTRBPr4wD8syAeerhNZ1pjpg6Vl6zLCJH
nGNNt26H/pxz09JLUXgr/xxcc051QQkOdpwVYlHiHmPumB/MoeEruh2sh7V/
```

PuTTYgen Notice

Successfully imported foreign key (OpenSSH SSH-2 private key).
To use this key with PuTTY, you need to use the "Save private key" command to save it in PuTTY's own format.

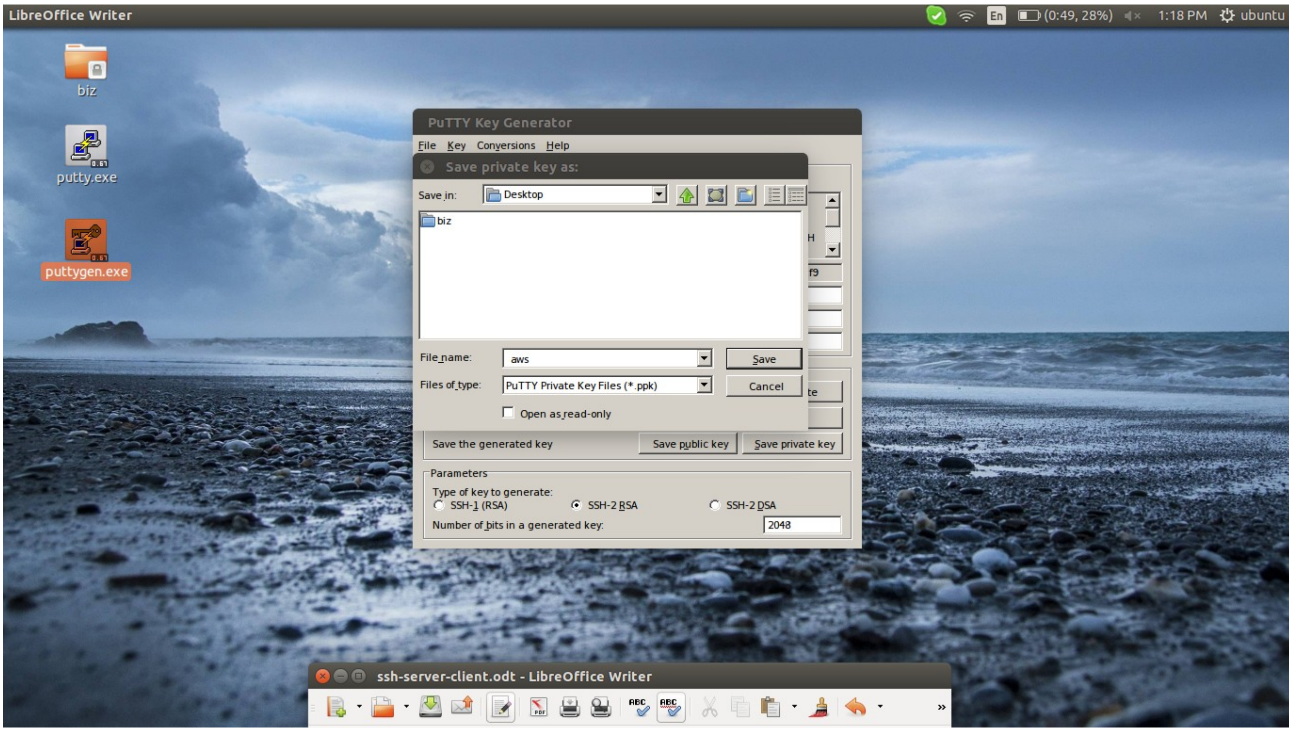
Parameters

Type of key to generate:
○ SSH-1 (RSA) ● SSH-2 RSA ○ SSH-2 DSA

Number of bits in a generated key: 2048

6) provide the passphase if needed, and click on save private key

then give the destination path and name for that ppk file > save



Save private key as:

Save in: Desktop

File name: aws

Files of type: PuTTY Private Key Files (*.ppk)

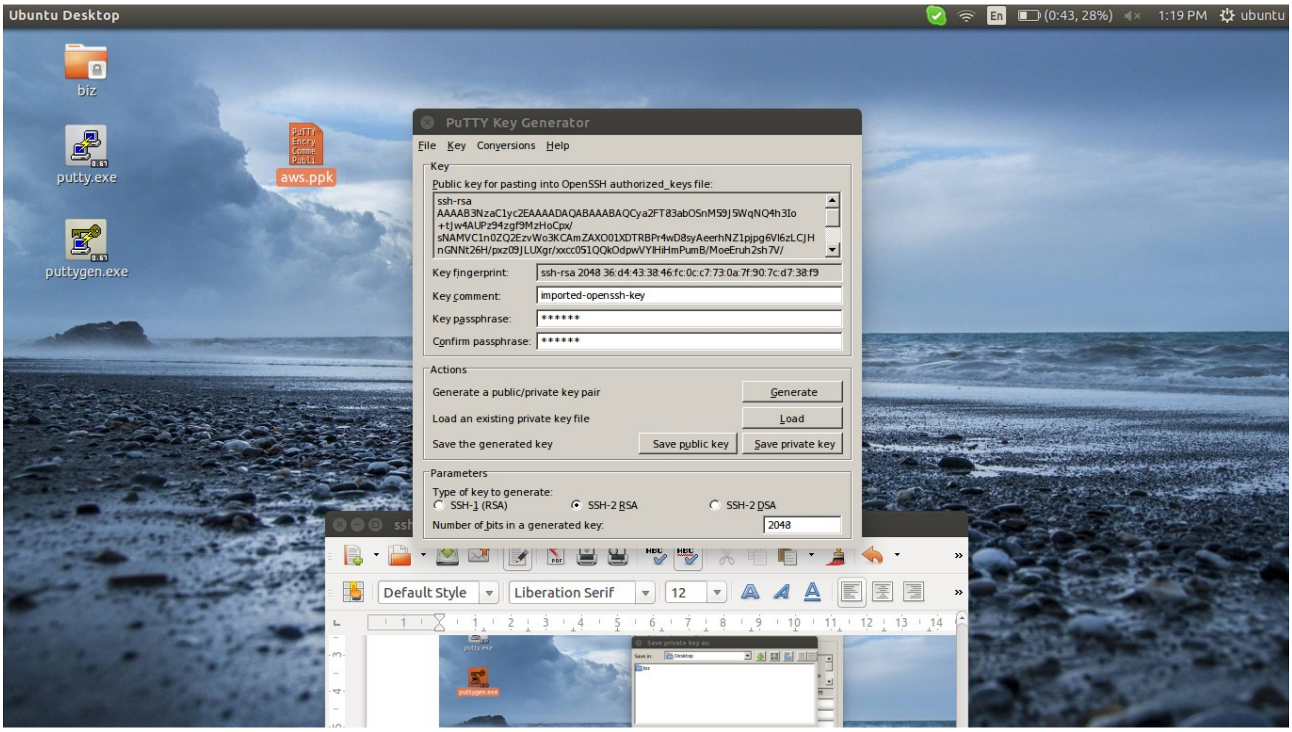
□ Open as read-only

Parameters

Type of key to generate:
○ SSH-1 (RSA) ● SSH-2 RSA ○ SSH-2 DSA

Number of bits in a generated key: 2048

7) now ppk file created, in this senario “aws.ppk”



Key

Public key for pasting into OpenSSH authorized_keys file:

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAABAQCya2FT83abOSnM59J5WqNQ4h3Io
+tJw4AUPz94zgf9MzHoCpx/
sNAMVC1n0ZQ2EzvWo3KCAmZAXO01XDTRBPr4wD8syAeerhNZ1pjpg6Vl6zLCJH
nGNNt26H/pxz09JLUXgr/xxcc051QQkOdpwVYIHiHmPumB/MoeEruh2sh7V/
```

Key fingerprint: ssh-rsa 2048 36:d4:43:38:46:fc:0c:c7:73:0a:7f:90:7c:d7:38:f9

Key comment: imported-openssh-key

Key passphrase: ******

Confirm passphrase: ******

Actions

Generate a public/private key pair

Load an existing private key file

Save the generated key

Parameters

Type of key to generate:
○ SSH-1 (RSA) ● SSH-2 RSA ○ SSH-2 DSA

Number of bits in a generated key: 2048

links: http://unix.stackexchange.com/questions/116303/convert-amazon-pem-key-to-putty-ppk-key-linux