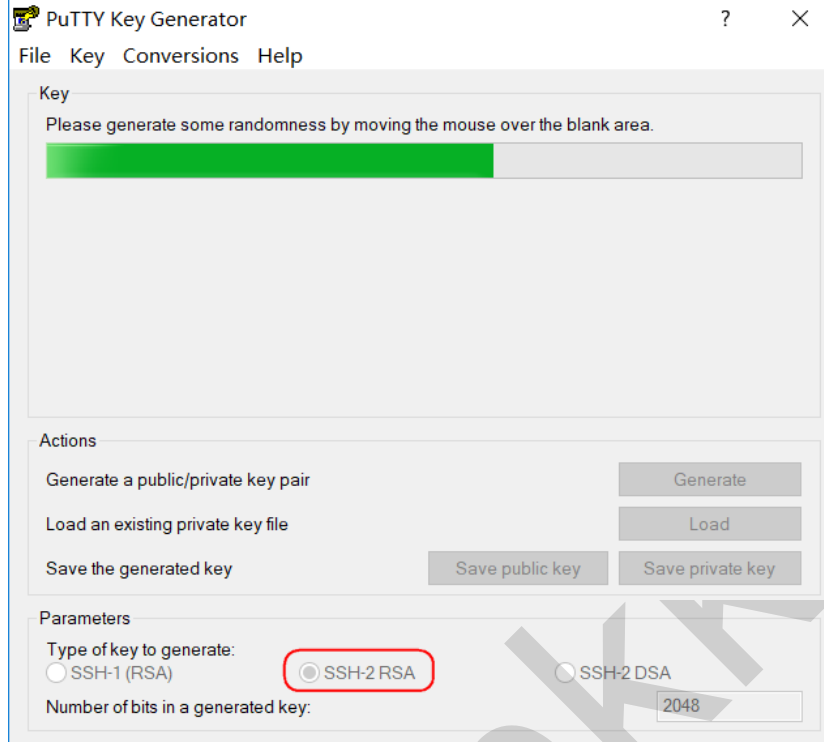


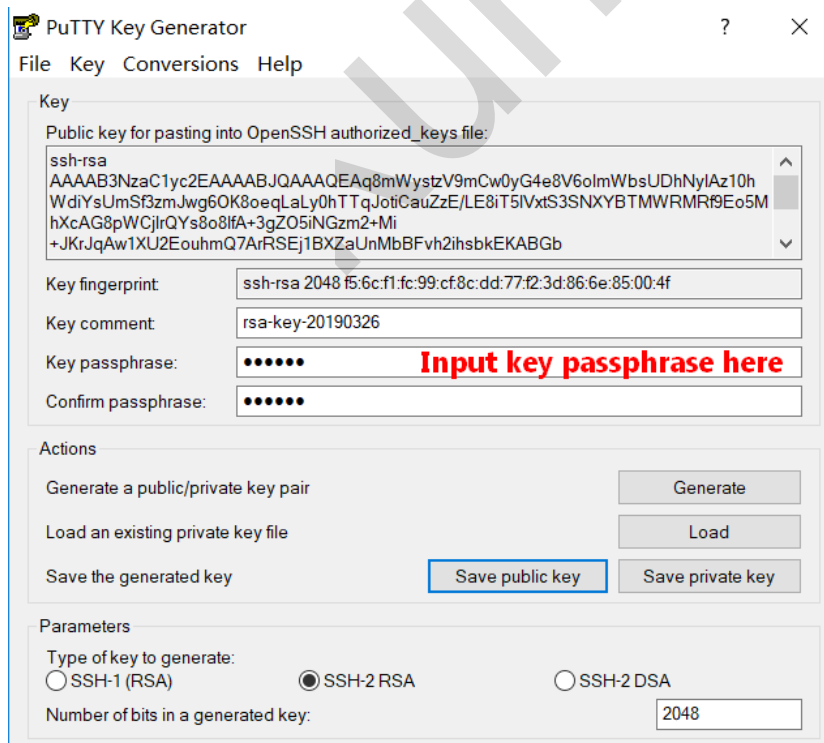
## Step 1. Create a pair SSH key (public key and private key)

(The PuTTYgen **v0.63** is recommended, because you can select SSH version) :

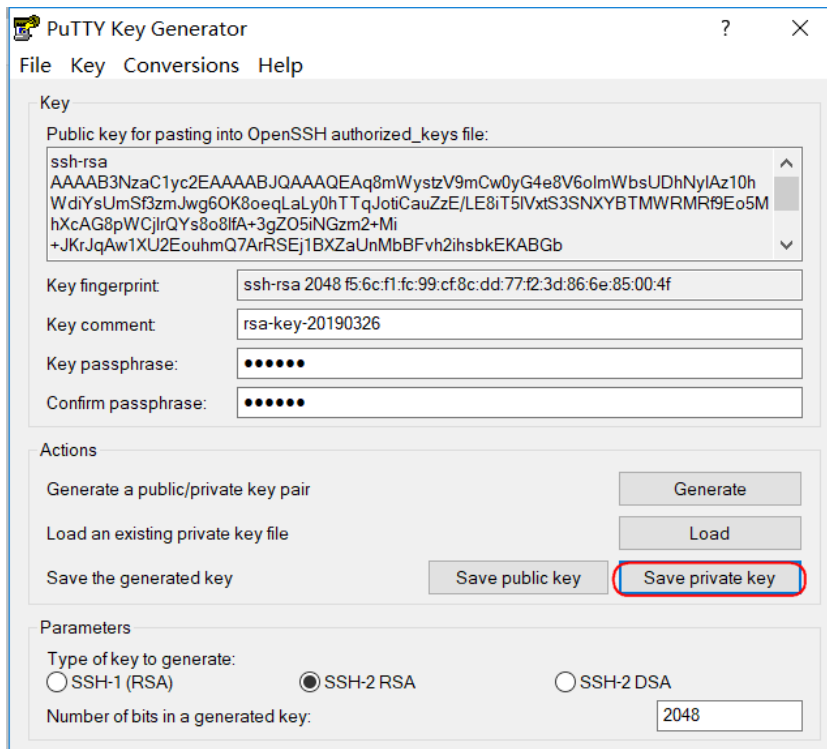
Select **SSH-2 RSA** , and then click **Generate**:



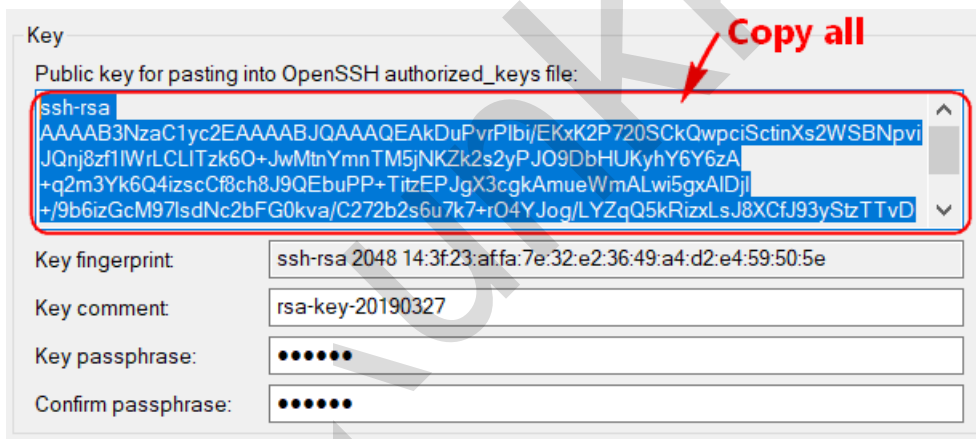
Input **Key passphrase**, for example **123456** (This key protects your private key) :



And then click **Save private key**, save the private key as *private\_login.ppk*



And then, Copy all (Please double check if you have copy all characters) :



And then paste the public key in a notepad (xxxx.txt), and then save it, you can rename it as below:

public\_key\_4.2

## Step 2. Upload the public key into AP:

Enable a TFTP server on the laptop, ensure the AP can download files from laptop via TFTP.

Copy the public key from laptop:

```
Ruijie# copy tftp://192.168.126.87/public_key.pub flash: public_key.pub
```

## Step 3. Enable SSH service and SSH key on AP

```
Ruijie(config) # enable service ssh-server
```

```
Ruijie(config) # crypto key generate rsa
```

*% You already have RSA keys.*

*% Do you really want to replace them? [yes/no]: **yes***

*Choose the size of the rsa key modulus in the range of 512 to 2048*

*and the size of the dsa key modulus in the range of 360 to 2048 for your*

*Signature Keys. Choosing a key modulus greater than 512 may take a few minutes.*

*How many bits in the modulus [512]: **512***

*% Generating 512 bit RSA1 keys ...[ok]*

*% Generating 512 bit RSA keys ...[ok]*

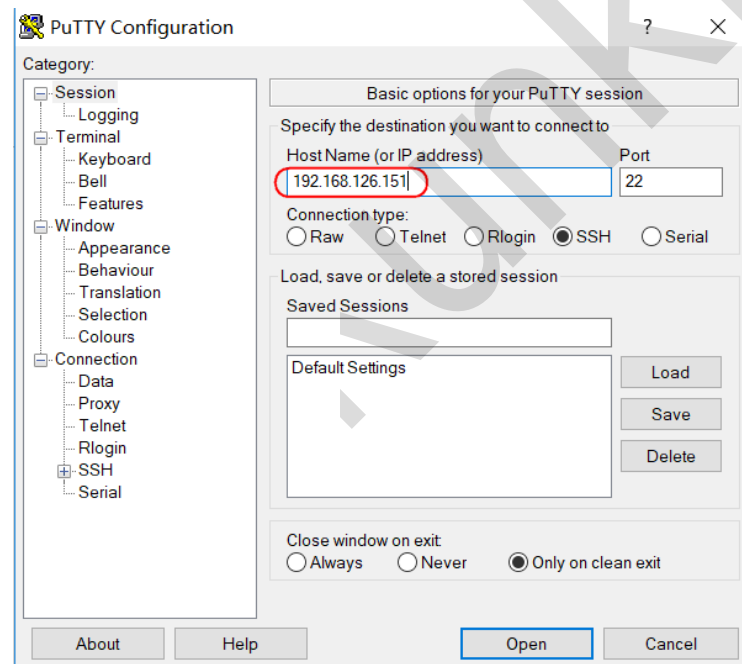
```
Ruijie(config) # username no_pass_user
```

```
Ruijie(config) # ip ssh peer no_pass_user public-key rsa flash:public_key.pub
```

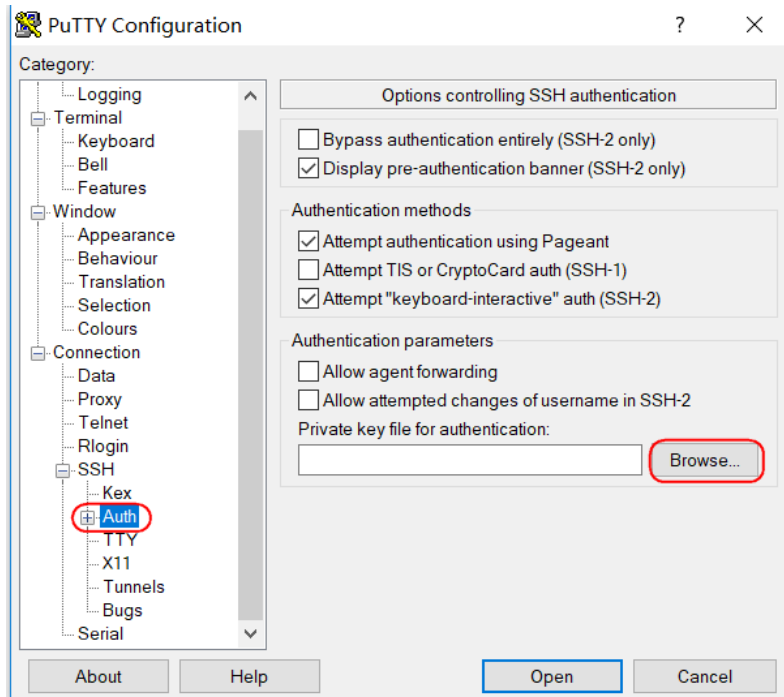
## Step 4. Login AP via SSH private key,

before login, please disable the Windows's Firewall on your laptop:

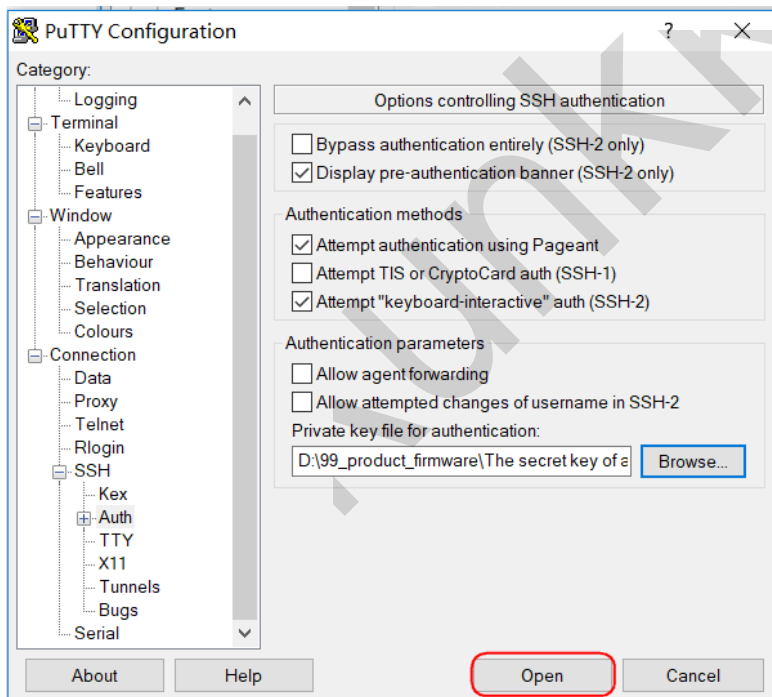
Open a PuTTY, and type the AP IP address:



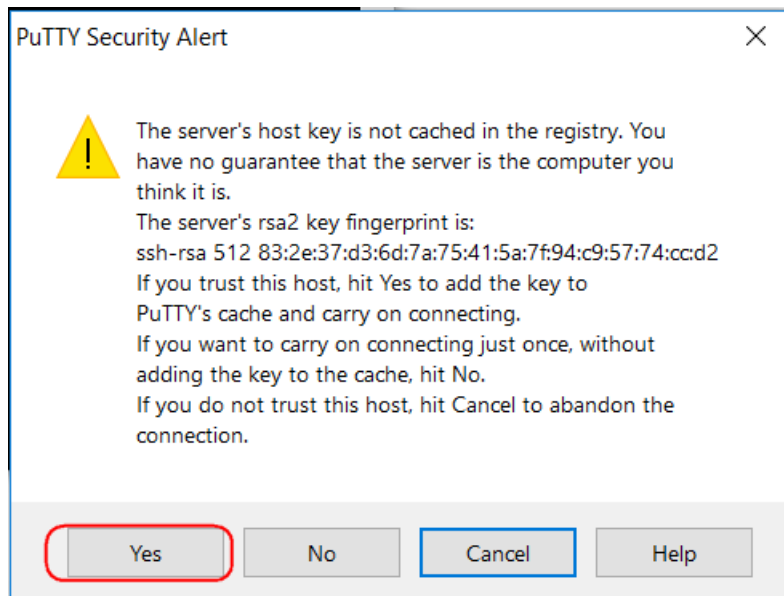
Click SSH -> Auth -> Browser, and select the private key *private\_login.ppk*



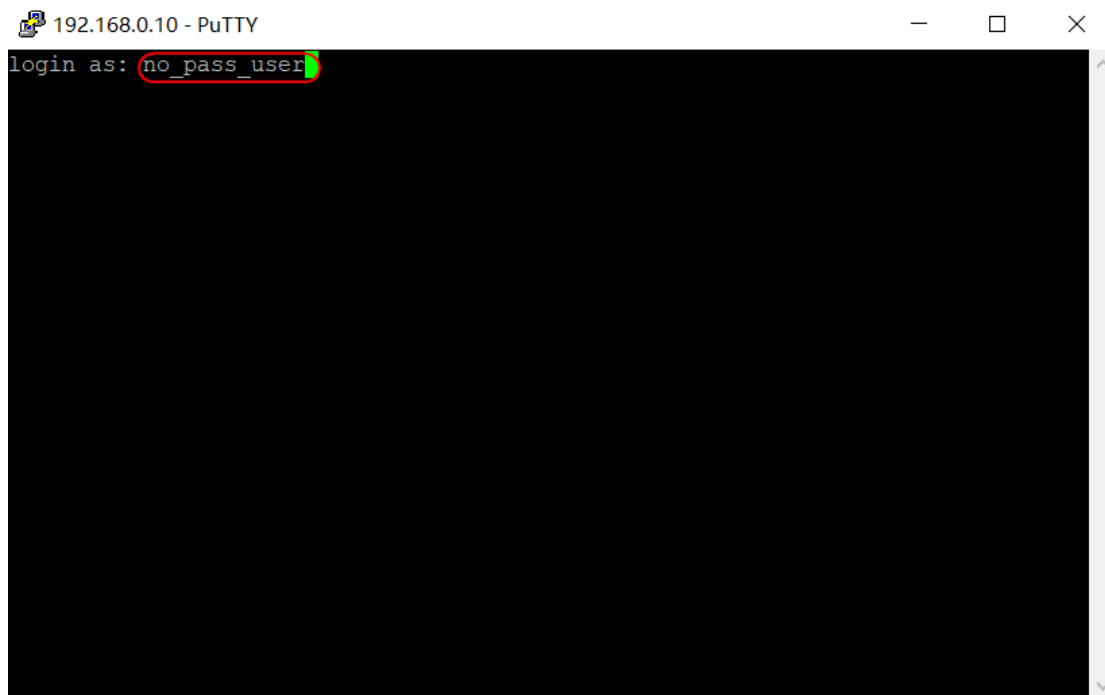
And then click **Open**:



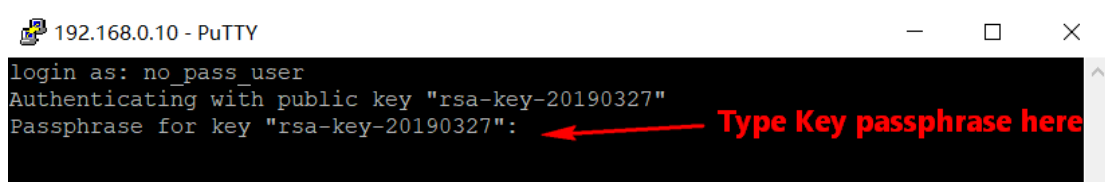
If its' your first time to login Ap, there is a Security Alert, Click **Yes** to accept it:



The Putty requires a user name, (we set `no_pass_user` as username on AP in Step 3):



And then, Type the Key passphrase (we set `123456` when we created public and private key on PuTTYgen, it protects private key):



And then you can login the AP:

```
192.168.0.10 - PuTTY
login as: no_pass_user
Authenticating with public key "rsa-key-20190327"
Passphrase for key "rsa-key-20190327":

Poland_NASK_Test#
Poland_NASK_Test#
Poland_NASK_Test#
Poland_NASK_Test#
Poland_NASK_Test# █
```

Linka