

# SSH based code sync up with GitLab on Windows 11

For SSH-based sync-up your code based on windows 11, you should have your RSA certificate. You can simple have it as following:

STEP 1. window button + cmd + enter

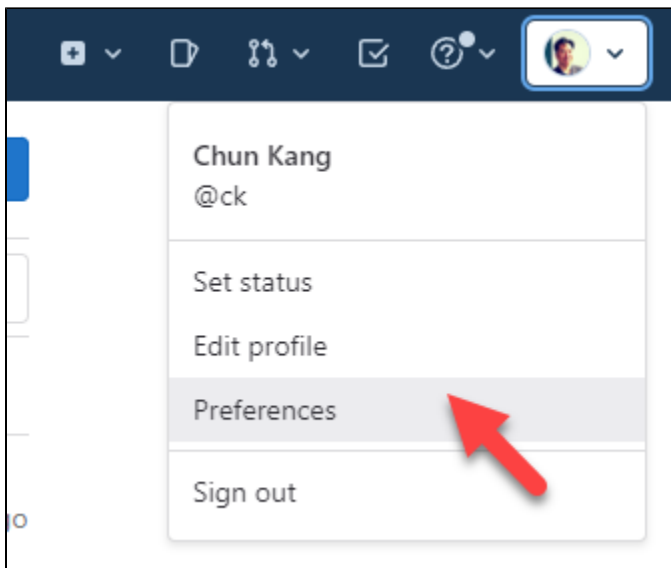
STEP 2. run ssh-keygen as following - note that you should use email address instead

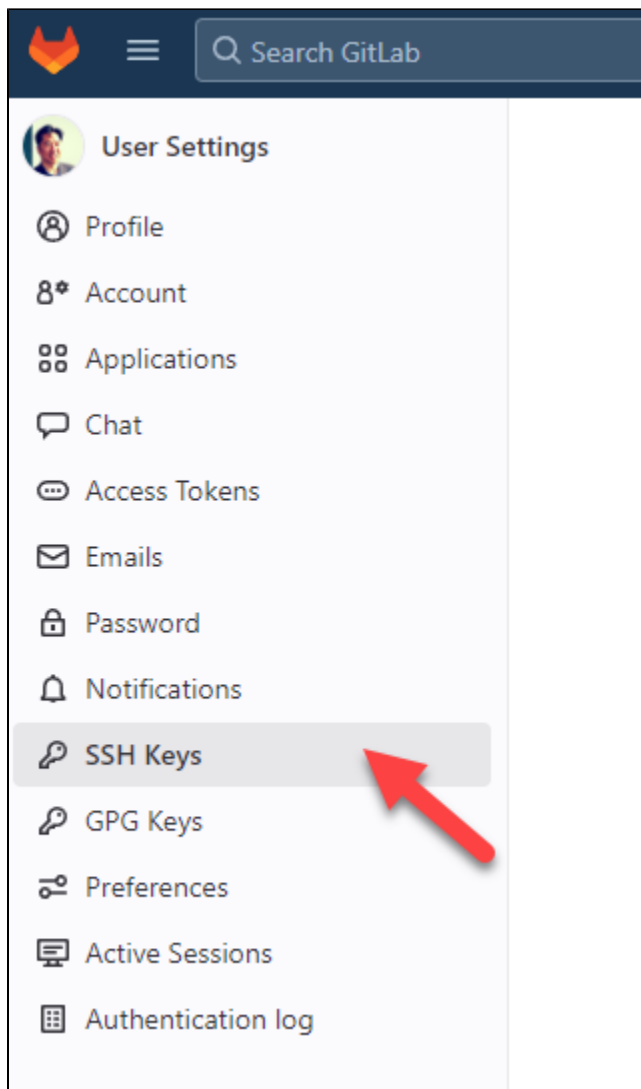
```
C:\Users\your_id>ssh-keygen -o -t rsa -C "your@email.com"
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\kurap/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\kurap/.ssh/id_rsa
Your public key has been saved in C:\Users\kurap/.ssh/id_rsa.pub
The key fingerprint is:
SHA256:XT4LvB41/KYIjz94Dv7+R6X+h8qkcDQ3sVsPdpnlMis your@email.com
The key's randomart image is:
+---[RSA 3072]-----+
|
|             o .
|          o + o . =
|         S * X *=o
|          . * XoB
|         +.+ Eo+..
|        ..Oo* ++ .
|         o*Xo=o .o
+-----[SHA256]-----+
```

STEP 3. Copy id\_rsa.pub in the command line. Its format will be like below:

```
C:\Users\your_id>cat .ssh/id_rsa.pub
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGDamWdfMajVZuTP1NHdKdkcYqX4JUnXiKHJtL4L5...
zSJjBx3EF1m7C0DXdJx6kmxKtwr+XAVAQ2kRC2Hkc= your@email.com
```

STEP 4. Paste id\_rsa.pub at GitLab Preference SSH Keys Copy & Paste Credentials Add Keys





## Add an SSH key

Add an SSH key for secure access to GitLab. [Learn more.](#)

### Key

```
ssh-rsa
AAAAB3NzaC1yc2EAAAADAQABAAQDAkMoWDfMajVZuTPINHdKdkcYqX4JUnXiKHJtL4L5+jT....
Bk0CDdZ+RghkpHj1FfTwOpEAG5J5JTax//FOLBMMzhAC1RcSjw+PNSp3+hYpVrg3gGuJxmPg0/45T
V0Kms1R9N/zSJjBx3EF1m7C0DXdjx6kmxKtwr+XAVAQ2kRC2Hkc= your@email.com
```

Begins with 'ssh-rsa', 'ssh-dss', 'ecdsa-sha2-nistp256', 'ecdsa-sha2-nistp384', 'ecdsa-sha2-nistp521', 'ssh-ed25519', 'sk-ecdsa-sha2-nistp256@openssh.com', or 'sk-ssh-ed25519@openssh.com'.

### Title

Key titles are publicly visible.

### Expiration date



Optional but recommended. If set, key becomes invalid on the specified date.

STEP 5. Take your SSH URL at gitlab for cloning. You should set it up at your appropriate location like below:

```
D:\src> git clone git@gitlab.com:prod/abjohn.git
```