

Guide: SSH Key Configuration in Gitlab

This document will guide you to configure the ssh keys in your Gitlab instance. After this setup you will be able to clone/push repos to Gitlab.

Step 1: Generate the ssh key

Open a powershell(windows)/Terminal(Linux) window and enter the following command

ssh-keygen

- Select the default options by pressing Enter, until the key is generated.
- Note the location of the generated public key

```
PS C:\Users\Sr-Ghouse> ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\Sr-Ghouse/.ssh/id_rsa):
Created directory 'C:\Users\Sr-Ghouse/.ssh'.
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in C:\Users\Sr-Ghouse/.ssh/id_rsa.
Your public key has been saved in C:\Users\Sr-Ghouse/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:n0xkqYT9z5D3CsflE8p5WfppSaXYPZr6MGLtsRTsRMw sr-ghouse@DESKTOP-3ST8GBP
The key's randomart image is:
+---[RSA 3072]-----+
|
|      o.
|      oE
|      +
|    o o o o . .
|   . o S   * +
|  . * o   = B..
|   . * += 0o..
|    X.+0oo.
|    @B++o
|+-----[SHA256]-----+
```

- Open the generated public key using notepad or any text editor.
- Copy the whole key from the file

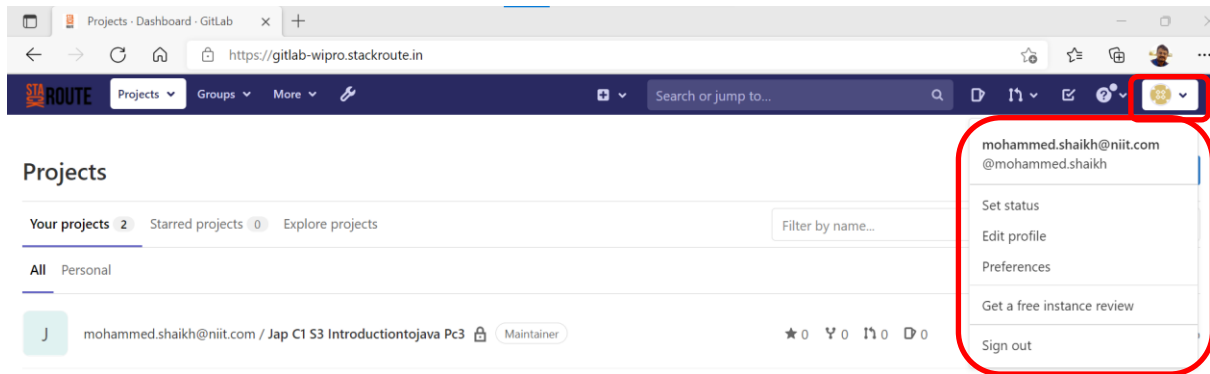
id_rsa - Notepad

File Edit Format View Help

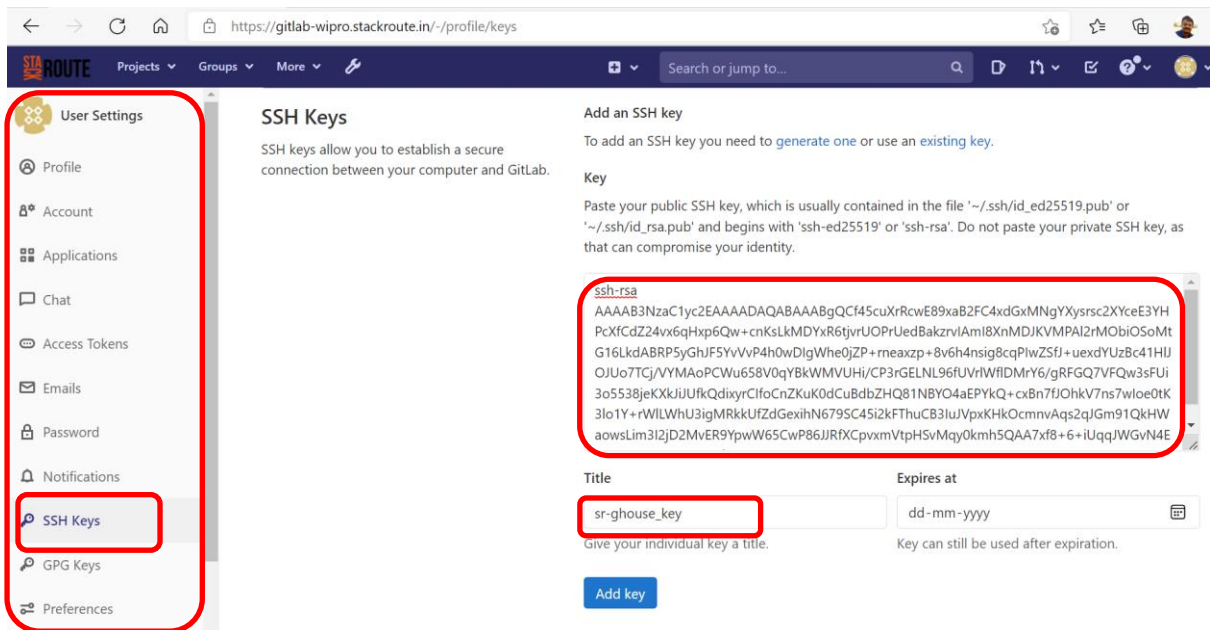
```
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGCf45cuXrRcwE89xaB2FC4xdGxMNgYXysrsc2XYceE3YHPcXfCdZ2
+cnKsLkMDYxR6tjvrUOPrUedBakzrvIAmI8XnMDJKVMPA12rMOBiOSoMtG16LkdABRP5yGhJF5YvVvP4h0wDIgWhe0
+8v6h4nsig8cqPIwZSfJ
+uexdYUzBc41H1JOJUo7TCj/VYMAoPCWu658V0qYBkWMVUHi/CP3rGELNL96fUVRlWfIDMrY6/gRFGQ7VFQW3sFU13
oCnZKuK0dCuBdbZHQ81NBYO4aEPYkQ+cxBn7fJOhkV7ns7wIoe0tK31o1Y
+rWlLWhU3igMRkkUfZdGexihN679SC45i2kFThuCB3IuJVpxKHkOcmnvAqs2qJGm91QkHwaowsLim3I2jD2MVER9Yp
Mqy0kmh5QAA7xf8+6+iUqqJWgvN4ERR87ZtZwen0c= sr-ghouse@DESKTOP-3ST8GBP
```

Step 2: Add the ssh key in Gitlab

- Login to Gitlab instance: <https://gitlab-wipro.stackroute.in/>
- Enter the userId and password given to you for LMS
- Click the Account icon to get a dropdown and select “preferences” – see image



- Click the SSH keys link and paste the 'ssh key' copied in step 1
- Give a meaningful title and click on “Add Key”



The SSH key configuration is complete. You can now clone and push repos using the ssh url shown

