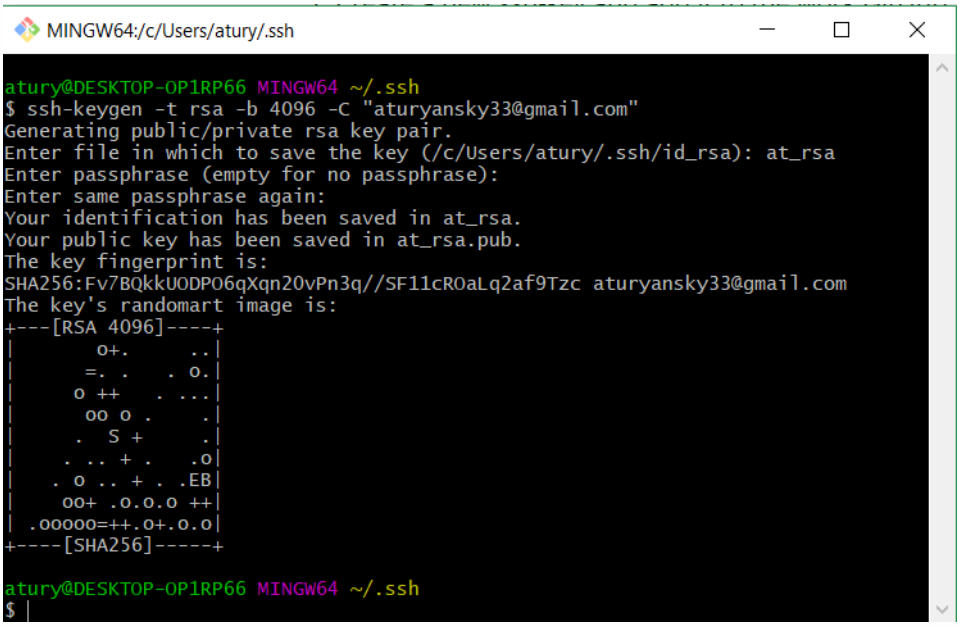
How to GIT

1. Open GitBash and create ~/.ssh folder

```
mkdir .ssh
cd .ssh
```

2. Create a new ssh-key and add it to the work GitLab account
   - Open GitBash and write next command

```
$ ssh-keygen -t rsa -b 4096 -C "my_work_email@my_company.com"
```



3. To manage SSH options you can use an SSH config file. This file can be located in your home directory at `~/.ssh/config`
   - If the file does not exist you can create it and set the correct permissions.

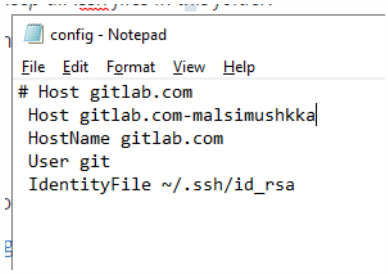
```
touch config
chmod 644 config
```

   Modify the ssh config file (~/.ssh/config)

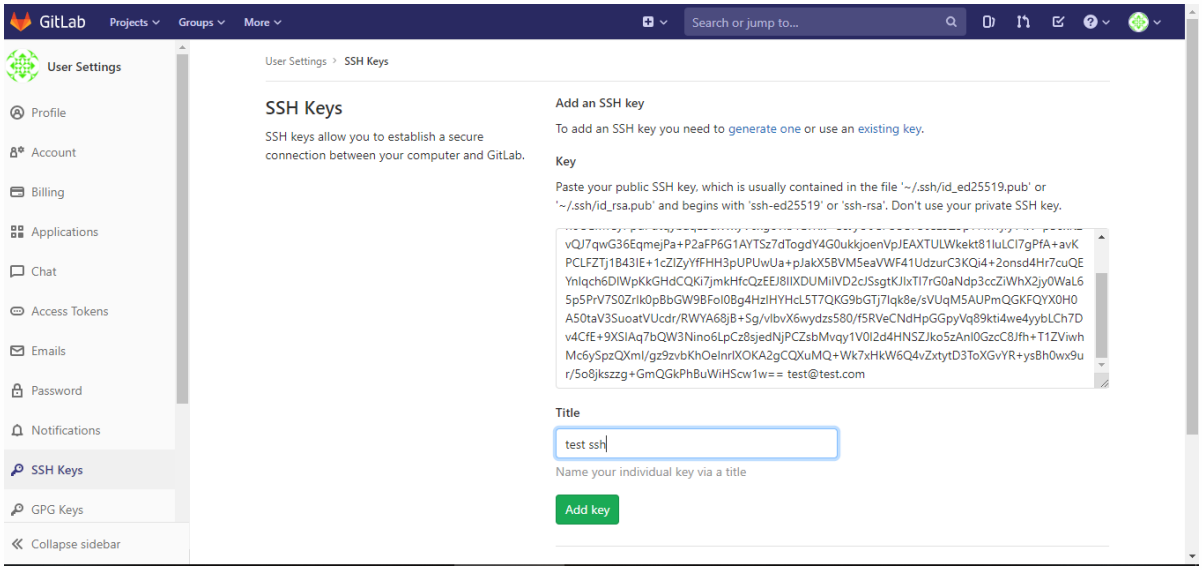
```
# Work GitLab account
 Host gitlab.com-<your_gitlab_login>
 HostName gitlab.com
 User git
 IdentityFile ~/.ssh/<name_of_file_with_private_key>
```

Note: You should keep all .ssh files in this folder.

Example of my config file:

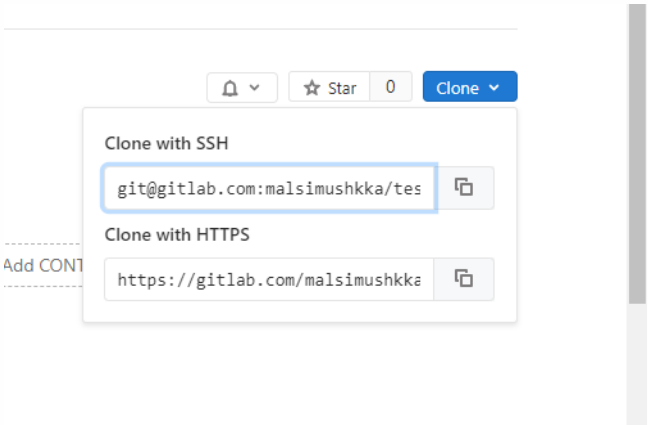


4. Add new SSH key on GitLab
   - Open https://gitlab.com/profile/keys
   - Click on **New SSH Key** button
   - Copy all content from *.pub* file



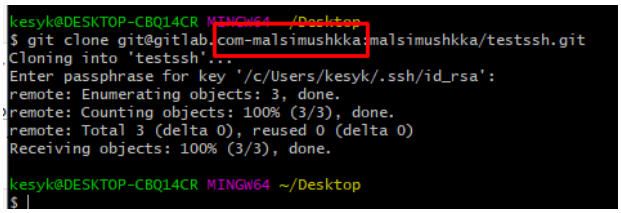
   Note: make sure there are no extra lines, spaces after your code

5. Clone repository to local machine
   - Open https://gitlab.com/malsimushkka/testssh
   - Clone it with SSH



6. Clone repository in Projects folder
   - Create new folder **Projects** and open it using GitBash
   - Use Git Command with copied SSH from GitLab

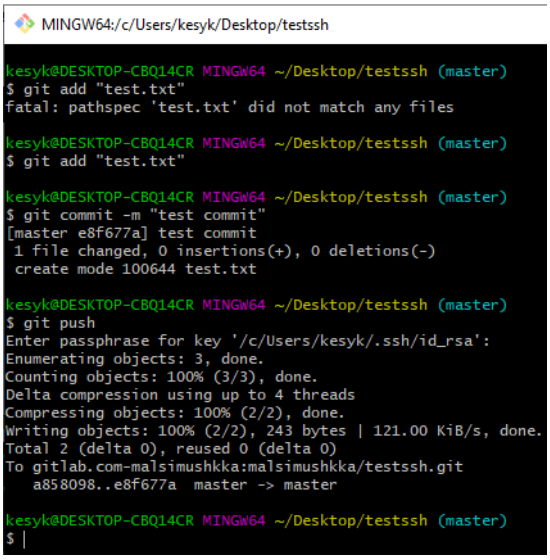
```
git clone git@gitlab.com-<your_gitlab_login>:malsimushkka/testssh.git
```



Important: login after git@gitlab.com must match to login that is specified at ssh config file.

6. Add new file to the remote repository
   - Create new file and add it to the local folder

```
git add "test.txt"
git commit –m "test commit"
git push
```



7. Check that new file was added in remote repository