

Extra Credit Lab  
(Automate Loki Website Deployment)

1. Copy the <https://github.com/SriramSrinivas/CIST1300-Introduction-to-Web/blob/master/loki.sh> to your repo inside your web store, next inside the Loki.sh update the username, currently, it is “sriramsrinivas” change it to yours. Username should be your netid, next commit and push your files to the repo.
2. One last time lets login to login to Loki and automates this process  
For Mac users please launch terminal and type  
ssh [netid@loki.ist.unomaha.edu](mailto:netid@loki.ist.unomaha.edu), windows users launch putty and connect to loki.ist.unomaha.edu
3. Now once you have logged in with your account, in your terminal enter the following command-
  - a. cd public\_html
  - b. cd cist1300-001
4. Now let’s generate ssh keys, this will be unique for everyone and don’t share the private key with anyone. Please type the following commands in your Loki terminal:-
  - a. ssh-keygen -t rsawhile executing the above command it will ask for few input, don’t enter anything just keep pressing enter. You should see something like this –

```
MINGW64:/c/Users/sriramsrinivas/CIST1300-Introduction-to-Web
Enter file in which to save the key (/c/Users/sriramsrinivas/.ssh/id_rsa):
/c/Users/sriramsrinivas/.ssh/id_rsa already exists.
Overwrite (y/n)? y
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/sriramsrinivas/.ssh/id_rsa.
Your public key has been saved in /c/Users/sriramsrinivas/.ssh/id_rsa.pub.
The key fingerprint is:
SHA256:Yun/15CHhATCBEAT+NWG11DU1/eopcy+r0duf+MGtt8 sriramsrinivas@IST222-NUC03
The key's randomart image is:
+---[RSA 2048]---+
|  o=o.  +=+=+o  .  |
|  .  o  =..  o  .  .  |
|  .  .  o  .  o  o.  |
|  .  .  .  .  .  o  .  |
|    + S  +  +  |
|    o  .  Ooo  |
|    .  .  ..+o  |
|    .  .  o.=oo  |
|    ....o+=+E  |
+---[SHA256]---+
sriramsrinivas@IST222-NUC03 MINGW64 ~/CIST1300-Introduction-to-Web (master)
$ |
```

5. Now inside your Loki terminal type the following command  
Cat /home/netid/.ssh/id\_rsa.pub  
Now copy the public key, and let's paste that inside your gitlab account, click the right avatar and head to settings, next on your left side you will see ssh keys, go ahead and paste what you copied from Loki.

#### SSH Keys

SSH keys allow you to establish a secure connection between your computer and GitLab.

#### Add an SSH key

To add an SSH key you need to [generate one](#) or use an [existing key](#).

#### Key

Paste your public SSH key, which is usually contained in the file '~/.ssh/id\_rsa.pub' and begins with 'ssh-rsa'. Don't use your private SSH key.

Typically starts with "ssh-rsa ..."



#### Title

e.g. My MacBook key

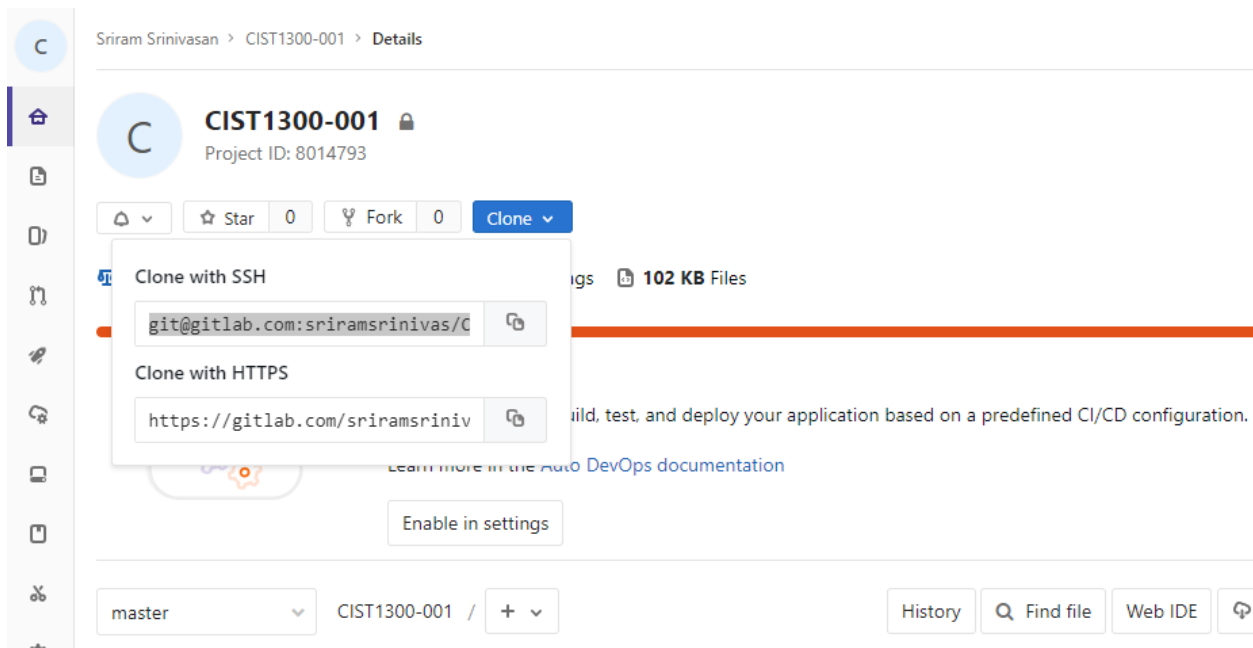
Name your individual key via a title

Add key

#### Your SSH keys (1)

 sriramsrinivas@loki 2a:cf26:09:e9:51:5d:c7:d7:9a:68:c3:7b:b1:9e:da created 16 hours ago 

6. Now from your gitlab url, please go ahead and copy the clone with ssh



7. Now let's switch back to the Loki terminal and type the following command  
git remote set-URL origin "value from step6"

8. Now try git pull, if git asks for a password, this means automation has failed, check with the instructor.

Step 9, 10 will be explained in class, after the lab completion please do complete the reflection on the Loki channel.