

Setting up Gitlab

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September 7, 2014

In order to effectively use the Gitlab server at `darkknight.qatar.cmu.local`, you will need to set up SSH access to it. If you've never done this before, don't worry! This guide should step you through the process.

1. This guide assumes that you don't already have SSH keys created. If you do, jump to 5. to upload them to the server.
2. If you're on a Mac or Linux, open the terminal. If you're on Windows, open Git Bash.
3. To create a new SSH key, type:

```
ssh-keygen -t rsa -C "your_email@qatar.cmu.edu"
```

When it asks 'Enter file in which to save the key (/Path/To/You/.ssh/id_rsa):' Just [Press enter] to save.

4. Next, you'll be prompted to enter a passphrase. Enter a good passphrase that you'll remember.
5. Once complete, you should see 'The key fingerprint is:' followed by a list of hexadecimal values and the email address you used to create your key.
6. If you're on a Mac or Linux machine, type:

```
eval "$(ssh-agent -s)"
```

If you're on a Windows machine, type:

```
ssh-agent -s
```

7. You should see a message "Agent pid [some number]" That means your started the ssh-agent OK. Now, regardless of which OS you're using, add your key to the ssh-agent by typing:

```
ssh-add ~/.ssh/id_rsa
```

8. Now we need to add your key to your clipboard. On Windows type:

```
clip < ~/.ssh/id_rsa.pub
```

and on Mac type:

```
pbcopy < ~/.ssh/id_rsa.pub
```

On Linux, you can open `~/.ssh/id_rsa.pub` with your favorite text editor and just copy.

9. Now go to a web browser and login to <http://darkknight.qatar.cmu.local> (VPN first if you're not on campus).
10. Go to Profile settings in the upper righthand corner, and then SSH keys in the Profile menu.

11. Click Add SSH Key and enter an appropriate title (I use my email address that I used for the key) and paste your key into the “Key” field.
12. Click “Add key” and confirm with your password. You should get an email from the GitLab server letting you know you added your key!
13. Test everything by opening a terminal and typing:

```
ssh -T git@darkknight.qatar.cmu.local
```

You should see a message ‘Welcome to GitLab, [Your Name]!’ Now you’re setup to use SSH keys on GitLab!