# Passwordless SSH access

#### 1. Check for existing SSH Keys

First check for there are already keys on the Linux system you are using. I am taking the case of RPI

#### Is ~/.ssh

if you see file named <a href="mailto:id\_rsa.pub">id\_rsa.pub</a> or <a href="mailto:id\_dsa.pub">id\_dsa.pub</a> then you have keys set up already, so skip the generation. Follow step 3.

#### 2. Generate new SSH Keys

To generate new SSH keys enter the below command.

### ssh-keygen

Upon entering this command, you will be asked for some entries press enter every time you are asked to enter anything.

When the process complete you will see output like this

Now look inside your **.ssh** directory

#### Is ~/.ssh

you should see the files id\_rsa and id\_rsa.pub

The id\_rsa file is your private key. Keep this on your computer/Linux device. The id\_rsa.pub files is your public key. That is what you share with machines you connect to in this case Raspberry Pi.

## 3. Copy the public file.

#### cat ~/.ssh/id\_rsa.pub

Copy and share the file. File is similar like this.

pi@raspberrypi:~ \$ cat ~/.ssh/id\_rsa.pub ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQDFwi0DhPMj5n/gyVK1CYq9Y/MA4q5KLc0M8nldIwEO2tuCDJ3m1Kdp/zDca3yY5rcUq8TUd+4M4eUXhXjj L+oxy5R5sbJ4Z7sASEXtX5JUME12btq6qr5Revz/6TRcNvgzNEmbQqTtf/J6bTjzMqP1ife2qDQKN7IuVn9nZCmfvXzMMKDmgsKS1FkaLBfkzw95oyKnO3Mq kc8GVqmzItrCdj5QQNO1kRtI7ZkioHweccZKNyHSzpUHCBisV3jjXDcOw4jk7ICvCNb8HE0e2ACU2kcFdFCTqGG0IRsisLhgq1m5hH7dEjElhokDeARan/28 8ZtQ0jG8r+uBER0WhoLZ pi@raspberrypi